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As you will see in reading this report, research activities on the Hospital Campus range across the spectrum from basic biomedical research to Health Services research and involves all professional streams.

The year 2000 was noteworthy on a number of fronts. With respect to infrastructure developments the shell of the new research building was completed and the decision taken to fit out four floors for research with the ground floor being left in shell form with services cut off at the walls for development at a later date. Agreement was arrived at with respect to development of the TAFE 3 building to provide laboratory space for Herron Pharmaceutical and office space for the Therapeutic Research Group. As this Report goes to press the internal fit out of the new Research Building is underway and the TAFE fit out is nearing completion.

The Research Groups in the Hospital have had a solid record in obtaining grant funding as set out in the Report and publications have been maintained at a high level. Ian Frazer was successful in obtaining a grant of \$ 1million from the Australian Cancer Research Foundation to fit out additional space in the new building and this attracted additional funds from the Department of State Development and the University of Queensland.

Postgraduate Student numbers have increased with approximately 70 postgraduate students on campus from 8 Universities. The Research Committee sponsored an evening where the various Groups in the Hospital put on displays of their research and highlighted opportunities for people to become involved.

This was particularly aimed at getting more clinicians involved in postgraduate research degrees. It was also very useful in allowing the different research groups to gain an understanding of what went on in other Departments.

Several Joint Appointments between Academic and Hospital Departments were made in Allied Health which should be a major stimulus to enhanced research activities in these disciplines. Significant work has been undertaken by Joy Vickerstaff to develop research by Nurses and it is hoped that this will bring positive outcomes in the near future.

While considerable progress has been made, it is clear that we should be trying to increase the research effort in a global sense. Of particular importance would be to have more groups competing for competitive funds and for us to have more postgraduate and honours students on the campus. It is also clear that if we are successful in enhancing research we will need to fit out the ground floor of the research building in the near future. These are among many challenges for the next few years.

I would like to acknowledge the support of the Research Committee in helping to increase the research effort on the Campus. I also wish to record my appreciation to the Princess Alexandra Hospital Research and Development Foundation. Their ongoing efforts, particularly in providing start up funds allowing new projects to get underway, are immensely important. I would also like to acknowledge the work put in by many people but particularly Anne-Louise Bulloch in relation to the development of the new research building.

Donald Cameron
Chair PAH Centres for Health Research

PAH RESEARCH & DEVELOPMENT FOUNDATION

The Princess Alexandra Hospital Foundation provides funding for health and medical research at the hospital, which promotes excellence in the treatment of patients and the prevention of disease, to the ultimate benefit of all people.

The basic commitment of the Foundation is to ensure the financial support needed for research programs at the Hospital. Continued funding is essential to provide up to date facilities and equipment and to attract and retain scientific staff of the highest calibre.

Research funds are administered by the Foundation's Research Committee, which consists of six members, four of whom must be suitably qualified to assess research projects and all of whom must be approved by the Commonwealth Department of Health.

Before funding is allocated to any project, that project is rigorously reviewed by the Research Committee to ensure that it is scientifically sound, that it does not replicate work under way elsewhere and that it is in accordance with the objectives of the Foundation and the wishes of donors.

In the year 2000, the Foundation distributed \$430,000 in research grants to 43 different projects.

Members of the Foundation Board appointed by the Governor in Council are drawn from the business and medical communities. They are as follows:-

Chair

Leo G. Williams AO, RFD, BA, LLB
Consultant, Freehills -Solicitors.

Deputy Chair

Anthony N. Ford
ASIA Chief Executive Officer, Queensland Rural Adjustment Authority

Members

Kenneth Donald MBBS, PhD, FRCPA, MRAC Path., FRACMA, FRACS.
Professor and Head of the Medicine, University of Queensland.

Rod Henshaw

Managing Director, Rod Henshaw and Associates

Lyn Hamill B.Pharm[Vic], MBA

Chair Princess Alexandra District Health Council, Princess Alexandra Hospital

Foundation Board Members (cont'd)

G. Roderick McLeod AO, RFD, ED, MBBS, FRCS (Ed.), FRCS (Eng.), FRACS.
Chair, Division of Surgery, Princess Alexandra Hospital

Mark Waters MBBS, Dip.RACOG, FRACGP, FRACMA, FACHSE, MHA
District Manager, Princess Alexandra Hospital and District Health Service.

David Theile AO, MBBS (Hon.) (Qld), MS (Qld), FRACS, FRCS (Eng.), FRCS (Ed.) (Hon.), FANZCA (Hon.), FAMS (Hon.).
Senior Visiting Surgeon, Princess Alexandra Hospital.

David Usasz ACA, AHKSA, ASCPA, B Com. (UQ).
Partner, Pricewaterhouse Coopers - Chartered Accountants.

Donald P. Cameron AO, MD, FRACP
Chair, Research Division, Princess Alexandra Hospital.

Michael T Wille BA [Hons]
Bowling Green University, Yale University.
Company Director.

Simon Lockyer BSc [Griffith Uni]
Communication Director, McCann Erickson Advertising

Richard Bowly Dip. Advertising [Melb]
Associate Fellow Australian Marketing Institute, Chair Cradeview Pty Ltd,
Toowoomba, Director, Queensland Hotels Association, Director Bulk Liquor.

Secretary

Anne Maree Buttner B Appld Sc [OT], Grad. Dip. Management.
Acting Director Corporate Services, Princess Alexandra Hospital and District Health Service.

Honorary Solicitor

Michael Back BA (Hons.) LLB (Hons.). Partner, Freehills – Solicitors

Foundation Staff

Chief Executive Officer:	Gary Evans BA (UQ)
Executive Director Administration:	Lloyd Hancock B Sc (UQ)
Administration Assistant :	Barbara Blake

Foundation Research Committee

Chair

Kenneth Donald MBBS, PhD, FRCPA, MRAC Path., FRACMA, FRACS

Professor and Head of the Department of Social and Preventative Medicine,
University of Queensland.

Members

Donald P.Cameron AO, MD, FRACP

Chair, Research Division Princess, Alexandra Hospital.

Ian Frazer MD, FRCP (Ed.),FRCPA

Professor of Medicine and Director, Centre for Immunology and Cancer Research,
Princess Alexandra Hospital.

David C.Gotley MD, FRACS

Professor of Surgery, University of Queensland.

Thomas Marwick MB.BS, PhD, FACC, FESC, FRACP.

Professor of Medicine, University of Queensland.

Nicholas Bellamy MB ChB, MD, Msc, FRCP [Glas.],FRCP [C], FACP, FAFRM, FRAC. Director, Centre of National Research on Disability and Rehabilitation Medicine [CONROD] Department of Medicine, University of Queensland.

Division of Clinical Support

Allied Health Services

- Audiology
- Occupational Therapy
- Nutrition and Operational Support Services
- Physiotherapy
- Social Work
- Speech Pathology

Pharmacy

Acquired Brain Injury Outreach Service

Spinal Outreach Team

Transitional Rehabilitation Program

Staff

1. Clinical:

Ms Evelyn Towers
Dr Julie Thomason
Ms Grace Lin

Director Audiology
Audiologist
Audiologist

2. Research/Teaching:

David Brown-Rothwell Conjoint Appointment with the University of Queensland

Current Research Activities:

1. Audiological Sequelae of Traumatic Brain Injury:

This is a continuation the series of studies investigating the damage to the peripheral and central auditory system from traumatic brain injury. The focus of this study is to examine the pattern of audiological results associated with base of skull fractures.

2. An investigation of Otoacoustic Emissions Measurement as an Index of Ototoxicity in Cisplatin Chemotherapy: A Comparison of Different Doses and Schedules:

The purpose of this study is to identify the incidence of cis-platin-induced hearing loss for different doses and schedules and to test the sensitivity and predictability of the audiometric measures (standard pure tone audiometry, and otoacoustic emissions)

3. An investigation of the relationship between central auditory function and functional communication following traumatic brain injury:

Planning has commenced for a further part of the traumatic brain injury study which will investigate the applied aspects of the research by quantifying the communication effectiveness associated with patterns of central auditory dysfunction. The purpose is to determine the optimal communication strategy as early as possible.

Current Research Activities:

(Cont'd)

4. Acoustic Neuroma Project:

A major research project is being developed in conjunction with the ENT and Neurosurgery Departments to investigate the surgical factors that can be predicted from the pre-operative audiological assessment which influence the preservation of the facial and cochlear nerve function. In addition, the audiological correlates of tumour growth rate will be examined an attempt to determine the optimal surgical treatment.

Publications

Articles Accepted for publication

Hofmeister B (2001) Audiological Outcomes of Severe Traumatic Brain Injury with Skull Base Fracture, and the Role of Otoacoustic Emissions. Accepted by the Australian and New Zealand Journal of Audiology.

Lectures and presentations

1. Towers EM, Forster S, Brown-Rothwell DJ (2000) Access Initiatives at Princess Alexandra Hospital for People who are Deaf or who have hearing Impairments. Poster ASA Conference.
2. Towers EM, Forster S (2000) Making a Hospital User friendly: Better Access for People with Hearing Impairments and the Deaf. International Federation of Hard of Hearing 6th International Congress.
3. Towers EM (2000) Improving Outcomes by Improving Access. Princess Alexandra Week 2000.

Postgraduate Students

1. Shalom Chang Master of Audiological studies
2. Darryn Dietzel Master of Audiological Studies
3. Camilla Hudson Master of Audiological Studies

Postgraduate Student/ Staff

1. Dr Julie Thomason Awarded PhD

Thesis:

Audiological Detection and Differential Diagnosis of proven and Suspected Retrocochlear Pathologies in Adults.

Awards to Staff Members

Evelyn Towers received a Recognition Award from Australian Hearing for her services to the Deaf and Hearing Impaired people through the Access project at Princess Alexandra Hospital.

Public Service Relevant to Research

1. David J. Brown-Rothwell – State President of the Audiological Society of Australia
2. David Brown-Rothwell – Chair of the Princess Alexandra Hospital Allied Health Research Committee

DEPARTMENT OF OCCUPATIONAL THERAPY

Staff

Senior staff

Director of Occupational Therapy	Julie Connell
Assistant Director of Occupational Therapy	Mary Little
Senior Occupational Therapist Geriatric Rehabilitation Unit	Elizabeth Caldwell
Senior Occupational Therapist Brain Injury Rehabilitation Unit	Mary Whitehead
Acting Senior Occupational Therapist Spinal Injury Unit	Louise Bassingthwaite
Acting Senior Occupational Therapist Acute Services	Joanne O'Sullivan
Honorary Associate	Dr Jenny Fleming (UQ)

Other staff involved in research

Celeste Glasgow
Joanne O'Sullivan
Janelle Griffin
Emmah Doig

Current Research Activities

1. Clinical trials

Comparison of outcomes with a controlled active protocol and a dynamic splinting protocol for Zone V and VI external tendon injuries – Joanne O'Sullivan

Rehabilitation of prospective memory problems in individuals with traumatic brain injury – Dr David Shum (Griffith University), Dr Jenny Fleming (UQ/PAH), Prof Jenny Strong (UQ), Julie Connell (PAH), Jill White (GU)

2. Other research

Functional outcomes, health status and community integration of patients 6 and 12 months post-stroke – Dr Leigh Tooth (UQ), Dr Kryss McKenna (UQ), Prof Jenny Strong (UQ), Prof Ken Ottenbacher, Julie Connell (PAH), Elizabeth Caldwell (PAH)

Comparison of patient and proxy ratings on the Assessment of Living Skills and Resources (ALSAR) questionnaire and the Return to Normal Living (RNL) index – Dr Leigh Tooth (UQ), Dr Kryss McKenna (UQ), Elizabeth Caldwell (PAH)

The relationship between caregiver burden and stroke patients' functional and cognitive status after discharge – Dr Leigh Tooth (UQ), Dr Kryss McKenna (UQ), Elizabeth Caldwell.

Optimal total end range time for contracture resolution in hand splinting – Celeste Glasgow

2. Other research (Cont'd)

Self-awareness of prospective memory failure in adults with traumatic brain injury – Nadine Roche (UQ honours student), Dr Jenny Fleming (UQ/PAH), Dr David Shum (GU)

The readability and comprehensibility of occupational therapy written education materials for elderly people – Janelle Griffin

Funding

\$19,907 from CONROD in 2000 for the project titled "Rehabilitation of prospective memory problems in individuals with traumatic brain injury"

\$1500 from the Allied Health Research Scholarship in 2000 to Celeste Glasgow for the project titled "Optimal total end range time for contracture resolution in hand splinting"

Publications

1. Publications which have appeared in 2000

Fleming JM, Doig E, Katz N (2000) Beyond dressing and driving: The use of occupation in neurorehabilitation. *Brain Impairment* 1(2) 141-150

Foster M, Fleming J, Tilse C, Rosenman L (2000) Factors associated with variations in rehabilitation care at the end of acute care in Queensland, Australia. *Brain Injury* 14 1035-1045

Shah S, Muncer S, Griffen J, Elliot L (2000) The utility of the Modified Barthel Index for traumatic brain injury rehabilitation and prognosis. *Brit J Occ Ther* 63 (10) 469-479

2. Articles which have been accepted for publication

Doig E, Fleming J, Tooth L (In press) Patterns of community integration 2-5 years post discharge from brain injury rehabilitation. *Brain Injury*

McKenna K, Scholtes A, Fleming J, Gilbert J (In press) The journey through an undergraduate occupational therapy course: Does it change students' attitudes, perceptions and career plans? *Aust Occ Ther J*

3. Abstracts which have been published

Bassingthwaite L, Whitehead M (2000) Effectiveness of driving retraining programs following traumatic brain injury. *OT Australia – Qld 6th State Conf Proc, Toowoomba, 6*

Caldwell L, Zemljic C, Griffin, J (2000) Occupational therapy initiatives in acute stroke management, *OT Australia – Qld 6th State Conf Proc, Toowoomba, 50*

3. Abstracts which have been published (Cont'd)

Connell J, Fair M, Rabbitt J, Trevan-Hawke J (2000) Evolution, evaluation and evidence of professional standards in occupational therapy practice in Queensland, OT Australia – Qld 6th State Conf Proc, Toowoomba, 13

Griffin J, McKenna K, Tooth L (2000) The suitability and comprehensibility of occupational therapy educational material for elderly people, OT Australia – Qld 6th State Conf Proc, Toowoomba, 23

Krosch K, Connell J, McKenna K, Strong J, Tooth L (2000) Discharge outcomes for patients with spinal cord injury admitted to the Princess Alexandra Hospital between 1993 and 1998, OT Australia – Qld 6th State Conf Proc, Toowoomba, 64

Hodder M (2000) Therapy following peripheral nerve injury. Australian Hand Therapy Conference, Melbourne.

Lectures and Presentations

Julie Connell – Guest lecture to 3rd year occupational therapy students at the University of Queensland on Contemporary Issues in Health Care Settings for OT316 The Profession of Occupational Therapy

Julie Connell – Guest lecture to 4th year occupational therapy students at the University of Queensland on Career Planning for OT407 Contemporary Issues in Occupational Therapy

Postgraduate students

Janelle Griffin – Master of Occupational Therapy, The University of Queensland (part-time)

Joanne O'Sullivan – Masters of Hand and Upper Limb Rehabilitation, Curtin University (external part-time)

Celeste Glasgow – Masters of Hand and Upper Limb Rehabilitation, Curtin University (external part-time), Awarded

Jeannette Lee – Occupational Therapy Coursework Masters, The University of Queensland, conducted groupwork with PAH occupational therapy as a part of a research project.

Public Service Relevant to Research

Jenny Fleming – member of Editorial Board and Publications Committee of the journal Brain Impairment.

NUTRITION AND OPERATIONAL SUPPORT SERVICES

Staff

Senior Staff	Glenn Nitchie, Director Susan Ash, Deputy Director Angela Vivanti, Research and Development Dietitian Nutritionist Nora Ramos, Senior Dietitian Nutritionist
Research Staff	Ingrid Hickman, Dietitian Nutritionist Marina Koutsoukas, Dietitian Nutritionist

Current Research Activities

Completed Clinical studies

1. "A prospective multi-centre randomised double-blind trial comparing the efficacy of an n-3 fatty acid enriched oral supplement with that of an iso-nitrogenous isocaloric oral supplement in weight-losing pancreatic cancer patients." Abbott Protocol # BH80 multi-centre trial
2. Randomised control trial of three different dietary strategies in the management of obesity in men with Type 2 Diabetes Mellitus

Continuing Clinical studies

1. The role of obesity and nutrition in fatty liver disease (I Hickman)
2. Dark adaptation in vitamin A deficient patients awaiting liver transplant. 12 patients were studied for dark adaptation collaboratively with the Department of Ophthalmology University of NSW (W Abbott)
3. Assessment and treatment of dehydration in older people (M Roberts, P Varghese, K Harvey, G Dyer, A Vivanti, L Ward, S Ash, J Stokes)
4. Landmark trial – Modification of atherogenic risk factors in renal and dialysis patients (N Isobel, D Johnson, T Marwick, R Bailey, W Chang)

Publications

Publications which have appeared in 2000

1. Phillips S, Ash S, Tapsell L (2000) Relevance of competency standards for entry level dietitians. Aust. J. Nutr. Dietet. 57 (4), 190-197
2. Phillips S, Ash S, Tapsell L. (2000) Dietitians' views on competency standards. Aust. J. Nutr. Dietet. 57 (4) 198-207.
3. S Ash, S Phillips (2000) What is dietetic competence? Competency standards, competence and competency explained. Aust J Nutr Dietet 57(3):147-151.

Articles which have been accepted for publication in 2000

1. Abbott W, Thomson A, Steadman C, Gattton M, Bothwell C, Kerlin P, Wall D, Lynch S. Child-Pugh Class, Nutritional indicators and early liver transplant outcomes. Hepato-Gastroenterology.
2. Vivanti A, Sheffield J. Height, weight and body mass index distribution data for Queensland school children aged ten to 18 years. Aust J Nutr Dietet.

Lectures and Presentations

*Winsome Abbott, Dietary management of liver disease. QUT Bachelor Health Science (Nutrition and Dietetics)

*Wendy Chang, Dietary management of renal disease. QUT Bachelor Health Science (Nutrition and Dietetics)

*Wendy Davidson, Dietary management of gastrointestinal disease. QUT Bachelor Health Science (Nutrition and Dietetics)

*Wendy Davidson, Nutritional management of enteral feeding QUT Bachelor Health Science (Nutrition and Dietetics)

*Ingrid Hickman's work presented by Dr Powell at the American Society for the Study of Liver Disease, Dallas, Texas Oct 2000

*Ingrid Hickman, Healthy eating with Hep C, Queensland Hepatitis C Council for Hepatitis awareness month.

*Sue Yeo, Very low calorie diets and the use of modifast. Staff of Woolloongabba Indigenous Health Centre

*Sue Yeo, Diet and Diabetes, QE11 Community diabetes group

*Jodie Boyd Nutrition management in oncology/haematology. QUT nursing

Lectures and Presentations

Cont'd

*Winsome Abbott, Liver transplant support group meeting

*Wendy Chang, Predialysis education seminar

* Wendy Chang, GP seminar - Renal disease and Nutrition

Invited presentations

19th National DAA Conference

S Ash, The prevalence of malnutrition at PAH – a comparison between results obtained in 1997 and 1999.

S Ash, Brats, balls and juice: a multi disciplinary approach to managing constipation in elderly orthopaedic patients.

I Hickman, Weight reduction in fatty liver disease

S Yeo, Follow-up of subjects on the trial of an innovative strategy for the control of NIDDM (Calorie Control Trial)

DAA Queensland Branch Professional Development weekend

Wendy Davidson - The Queensland Health Home Enteral Feeding Policy – A review of implementation throughout Queensland Public Hospitals.

Susan Ash, Susan Yeo – The treatment of obesity and morbid obesity at PAH

Susan Yeo - Best practice guidelines in diabetes

PA Week 2000

Ingrid Hickman - Weight reduction improves liver disease in patients with chronic hepatitis C.

Meagan Lee – Empowering staff through innovative training initiatives

Postgraduate Students

Wendy Davidson
Ingrid Hickman
Winsome Abbott

Queensland University of Technology
University of Queensland
Deakin University

MAppSc
MMedSc
DHSc

Awards to Staff Members

Louise Smith

QUT/Spotless Catering student prize for Food Service

Public Service Relevant to Research

Susan Ash

Honorary Research Fellow, School of Public Health, QUT on the DAA Dietetic Standards and Accreditation Advisory Committee
PAH & HSD Research Committee

Angela Vivanti

PAH&HSD Allied Health Research Committee

PHYSIOTHERAPY DEPARTMENT

Staff

Kathy Grudzinskas (Director)
Linda Marsh (Assistant Director)
Suzanne Kuys (GARU)
Maryann Schubert (BIRU)
Brett Baxter (Orthopaedics)
Sharon Chatterton (Medical/Surgical)
Pat Wood (Outpatients)
Beth Baird (Spinal Injuries Unit)

Research Staff

Sandy Brauer (PAH / UQ)

Current Research Activities

GARU

An Assessment of gait and balance function in elderly patients treated with novel antipsychotics. Investigators - Dr Paul Varghese, Dr Rohan Grimley, Dr Michael Leong, Sandy Taylor (physiotherapist - PAH).

Balance Performance Following Hip Fracture. Investigators - Nick Lord (physiotherapist - PAH), Suzanne Kuys (physiotherapist - PAH), Susan Salisbury (physiotherapist - PAH), Nancy Low Choy (physiotherapist - UQ) and Amanda Pollard (physiotherapist - PAH).

BIRU

Inter and intra-rater reliability of physiotherapists in using the Clinical Outcome Variable Scale (COVS) in brain-injured adults. Investigators - Nancy Low Choy (physiotherapist - UQ), Meg Richards (physiotherapist - PAH), Mary-Ann Schubert (physiotherapist - PAH), Suzanne Kuys (physiotherapist - PAH).

Acquired brain Injury database. Ron Hazelton (dir BIRU), Carol Clarke (CNC), Nancy Low Choy (physiotherapist - UQ), Sonya Hoppe (physiotherapist - UQ).

SIU

Shoulder pain and dysfunction in acute quadriplegia: A prospective study - Susan Salisbury (physiotherapist - PAH)

The comparison of Continuous Positive Airway Pressure (CPAP) with Flutter Treatment and Assisted Cough vs Intermittent Positive Pressure Breathing (IPPB), Vibrations and Assisted Cough in the Acute Spinal Cord Injured Patient - Jennifer Paratz (senior physiotherapist - RBH), SIU physiotherapy staff PAH.

Publications

Publications which have appeared in 2000

- Sims KJ, Brauer SG. A rapid upward step challenges medio-lateral postural stability (2000). *Gait Posture* 12 217-224.
- Brauer SG, Burns Y, Galley P (2000). Postural stability measures predict community-dwelling fallers. *J Gerontol Med Sci* 55A (8) M469-76.
- Shumway-Cook, Brauer SG, Woollacott M (2000). Predicting the probability for falls in community-dwelling older adults using the timed up & go test. *Phys Ther* 80 (9) 896-903.

Articles accepted for publication

- Brauer SG, Woollacott M, Shumway-Cook A. The interacting effect of cognitive demand and recovery of postural stability in balance-impaired elderly. *J Gerontol Med Sci*. In press

Published Abstracts

- Brauer SG, Shumway-Cook, Woollacott M (2000). Compensatory stepping in balance-impaired elders. The American Geriatrics Society Annual Scientific Meeting.
- Brauer SG, Neros C, Woollacott M (2000). Balance ability in masters athletes. Pre-Olympic Scientific Conference for Medicine and Science in Sport.
- Kuys S, Lord N, Low-Choy N (2000). Balance performance following fractured hip. Australian Physiotherapy Association International Conference.

Lectures and Presentations

International Physiotherapy Conference, Canberra, May 2000.

Suzanne Kuys. Balance performance following fractured hip.

*International Pre-Olympic Sport Science Congress, Brisbane, Sept 2000.

Sandy Brauer. Balance ability in masters athletes.

American Geriatrics Society Annual Scientific Meeting, Washington DC, Nov 2000.

Sandy Brauer. Compensatory stepping in balance-impaired elders.

Australian Hand Therapy Conference, Melbourne, Oct 2000.

Mary Mitchell, Therapy following brachial plexus trauma.

*Australian Physiotherapy Association Queensland Branch Annual Conference, Brisbane, May

2000. Mary Mitchell, Workshop on the Wrist & Hand

Queensland Hand Surgery Society Annual Conference, 2000

Mary Mitchell, Conservative management of thoracic outlet syndrome

Lectures and Presentations

(cont'd)

Australian Physiotherapy Association Professional Education

Mary Mitchell : The wrist & hand (videoconfs to central & northern zones)

Meg Richards: Vestibular rehabilitation

Sandy Brauer: Research opportunities at PAH

Brett Baxter: Acetabular fractures

University of Queensland Lectures

Mary Mitchell: The wrist & hand

Kathy Grudzinskas: Quality in health care

PA week, 2000

Susan Salisbury, Shoulder pain in acute quadriplegia

Brett Baxter, Evaluation of service delivery for THR patients

Postgraduate Students

Karen Durack – Bachelor of Arts (major in psychology)

Tony Johnston - Occ H & S

Suzanne Kuys - Graduate Diploma of Public Health (UQ)

Brooke Noble - Diploma of Business Studies

Susan Salisbury - Masters of Physiotherapy (Research) (UQ)

Maryann Schubert - Masters of Physiotherapy (Neurology) (UQ)

Peter Tonks - PG Cert of Hydrotherapy (LaTrobe University, Melb)

Pat Wood - Graduate Certificate in Management (Qld Health) (QUT/USQ)

Awards to Staff Members

University Medal 2000: Kerry-Anne Willett

PA Week Award - Best Allied Health Research Presentation: Susan Salisbury

Public Service Relevant to Research

Editorial Board, Physiotherapy Research International Journal. Sandy Brauer

Australian Physiotherapy Association

Qld Branch Council Member

Qld Chair Neurology Group

Qld Treasurer Neurology Group

Qld Neurology Group Member

Linda Marsh

Suzanne Kuys

Carleen Stone

Dominique Hayes

Meg Richards

Maryann Schubert

SOCIAL WORK DEPARTMENT

Staff

Sue Cumming	Director - Social Work Department
Margo Newman	Senior Social Worker Aged Care
Patricia Fronck	Senior Social Worker Rehabilitation and Disability
Sherryl Searles	Senior Social Worker Acute Services
Dr Margo Shapiro	Honorary Appointee Director of Post Graduate Research School of Social Work and Social Policy University of Queensland
Dr Cheryl Tilse	Honorary Appointee Lecturer - School of Social Work and Social Policy University of Queensland
Patricia Dorsett	Senior Research Officer School of Social Work and Social Policy University of Queensland

Current Research Activities

1. A) The Impact of Implementing an Outcome Directed Practice Model on Client Outcomes (Pilot Study)
B) The Impact of Implementing an Outcome Directed Practice Model on Client Outcomes (3 year study).

Principal Investigators - Dr M Shapiro, Dr D Setterland, Dr J Warburton (SWSP), Professor I O,Connor (President Academic Board), Dr G Williams (S&P), Ms S Cumming, Director of Social Work PAH.

Industry partners: Princess Alexandra Hospital, Prince Charles Hospital, Mater Public Hospitals and the Australian Association of Social Workers (AASW) Qld.

2. Patients waiting Placement for residential Care: the Princess Alexandra Experience, January to June 2000 - Pilot Study. Associate Professor C Mitchell (Chairman of Medicine), Dr P Varghese (Director of Geriatrics), Mr P Hewitt (Manager of Aged Care Evaluation Unit), Ms S Cumming (Director of Social Work PAH)

Current Research Activities

(Cont'd)

3. Staff Knowledge, Comfort and Attitudes towards Sexuality within a Spinal Cord Injuries Rehabilitation Service - design and evaluation of an education program. Ms P Fronck (Senior Social Worker Rehabilitation and Disability), Ms S Booth (Social Worker TRP), Ms D Miller (CN), Dr T Geraghty (Director Spinal Injuries Unit PAH).
4. Difficulties Experienced by Renal Patients in Accessing Transport to Renal Outpatient Appointments and Dialysis Treatment and Training. Ms J Howells (Social Worker Renal/Transplant Unit), Dr C Tilse (Honorary Appointee)

Funding

- 1.(A) Faculty of Social and Behavioural Science, University of Qld
\$ 15,000 - (Pilot Study)
2. Project fully funded by SIU trust fund

Publications

Atkinson A, Tilse C, Schlecht N (2000), It Seemed the Right Thing to do Moving to a Hostel: The perceptions of older people who move from hospital to hostel (low level) care. Australian Social Work (53) 1; 9-13.

Lectures and Presentations

- A Health Outcomes Approach to Hospital Social Work Practice - Dr M Shapiro
A paper presented at the Australian Sociological Association Conference
6-8 Dec 2000, Flinders University Adelaide
- Organisation Issues that impact on the Supervisory Relationship - Lecture presented by
Ms S Cumming University of Qld 29/08/2000 - student subject - Moral and Ethical
Foundations of Social Work
- Measuring Patient Outcomes - Ms S Cumming - PAH Week Presentation
- Pre Liver Transplant Support Through Education Program - Ms C Martin Transplant
Nurses Association- Nov 2000
- Social Issues Associated with Transplantation - Ms C Martin-Transplant Nurses
Association, Townsville, March 2000
- They Don't Want to be Here Either - A study of the systemic issues relating to persons
awaiting residential care in hospital. Ms T Harrower (Social Worker Aged Care), Ms M
Newman - PAH week presentation 2000

Lectures and Presentations

(cont'd)

- It Seemed the Right Thing to do Moving to a Hostel: The Perceptions of Older People moving from Hospital to Hostel. Ms M Newman (Senior Social Worker Aged Care) - GARU Seminar
- Psychosocial Issues - Cheryl Hooper - Stroke Symposium - Sept 2000
- Social emotional impact of cancer on patients and their families - Ms S Searles (Senior Social Worker Acute Services) - Laryngectomy Support Group

Postgraduate Students

Sue Cumming - MPA (enrolled)

SPEECH PATHOLOGY DEPARTMENT

Staff

Wendy McCallum (B.Sp.Thy)	Director of Speech Pathology
Kathy Clark (B.Sp.Thy)	Senior Speech Pathologist
Annie Johnson (B.Sp.Thy)	Senior Speech Pathologist
Paula Addis (B.Sp.Thy)	Speech Pathologist
Maura Bock (B.Sp.Thy)	A/Senior Speech Pathologist
Jenni Boxall (B.Sp.Thy)	Speech Pathologist
Lisa Cazzolato (B.Sp.Thy)	Speech Pathologist
Kelli Hancock (B.Sp.Thy)	Speech Pathologist
Jenny Lethlean (B.Sp.Thy, PhD)	Speech Pathologist Clinical Senior Lecturer
Marissa Parkin (B.Sp.Path)	Speech Pathologist
Joanne Matthew (B. Sp. Path)	Speech Pathologist (new graduate position)
Marnie Seabrook (B.Sp.Thy)	Speech Pathologist
Louise Cahill (B.Sp.Thy)	Lecturer in Speech Pathology (Research), joint research position with University of Queensland (appointed 2000 to commence 2001).

Current Research Activities / Funding

The effects of pallidotomy surgery for Parkinson's disease on motor speech function. J.Lethlean, A. Farrell, D.Theodoros, B.Murdoch, E.Ward, P.Silburn.

The effects of the Lee Silverman Voice Treatment Program on speech function in post-pallidotomy patients with Parkinson's disease. J.Lethlean, D.Theodoros, B.Murdoch, E.Ward, P.Silburn.

Funding: PAH Research & Development Foundation - \$7,500

Current Research Activities / Funding

(cont'd)

The resolution of lexical ambiguity following lesions of the subcortical nuclei. D. Copland, H. Chenery, B. Murdoch, & K. Finch.

Funding: Through Department of Speech Pathology and Audiology, University of Queensland, NHMRC grant.

Physiological investigation of laryngeal dysfunction following carotid endarterectomy. A.Reilly, J. Lethlean, B. Murdoch, T. McGahan, & H. Gibbs.

Funding: PAH Research & Development Foundation - \$7,500

The effectiveness of a multidisciplinary movement disorder program to improve quality of life for Parkinson's disease patients and their carers. J.Lethlean, K.Pery-Johnston, S.Taylor, G.Berry, R.Boyle, P.Silburn, J.Fleming.

Funding: Johnson & Johnson - \$674, PAH Private Practice Trust Fund - \$650, PAH Geriatric Unit Trust Fund - \$500.

Changes in speech quality following cervical spinal injury: A physiological, acoustic, and perceptual analysis. M.Bock, T.Geraghty, C.Joyce & B.Murdoch.

Funding: Funding sought from CONROD and PAH Research and Development Foundation

PAH Head Injury Unit Database. Multidisciplinary Head Injury Database Committee.

Funding: PAH Research and Development Foundation - \$14,360

Allied health outcomes following acute stroke unit management. J.Lethlean, S. Kuys, L. Caldwell, G. Hall, J. Chalk, K. Boch & P. Aitken.

Funding: PAH Research and Development Foundation - \$17,000

The development and evaluation of a web training package for people with communication disabilities. L.Worrall, P. Addis, J. Egan & D.Oxenham.

Agrammatic comprehension deficit in aphasia : Testing competing linguistic theories and the application of on-line techniques. J.Ingram, H. Chenery, E.Cardell, F.Hinchliffe, W.McCallum & P.Aitken.

Funding: Through Department of Speech Pathology and Audiology, University of Queensland, ARC grant.

Current Research Activities / Funding (cont'd)

Assessment of functional communication in aphasia: A comparison of speech pathologists' and significant others' ratings. D.Brooks, L.Worrall, B.Davidson & W. McCallum.

The role of subcortical neural mechanisms and frontal lobe disconnection in language. B.Whelan, B.Murdoch, P.Silburn & B.Hall.

The effect of communication on the quality of life in normal older adults and older adults with aphasia. M.Cruise, L.Worrall, L.Hickson, P.Aitken, W.McCallum.

An electropalatographic investigation of articulation in the dysarthrias and apraxia of speech. M.McAuliffe, E.Ward, B.Murdoch & K.Clark.

Functional speech and swallowing outcomes following differential management of laryngeal cancer. E.Ward,L.Cahill,M.Bock,W.Coman,B.Murdoch & P.Tierney

Publications which have appeared in 2000

1. Murdoch BE & Lethlean JB. Language disorders in multiple sclerosis. In Murdoch BE & Theodoros DG (Eds.)(2000) *Speech and Language Disorders in Multiple Sclerosis*. London: Whurr Publishers.
2. Murdoch BE & Lethlean JB. High level language, naming and discourse abilities in multiple sclerosis. In Murdoch BE & Theodoros DG (Eds.). (2000) *Speech and Language Disorders in Multiple Sclerosis*. London: Whurr Publishers.
3. Murdoch BE & Lethlean JB Subgroups of multiple sclerosis patients based on language dysfunction. In Murdoch BE & Theodoros DG (Eds.)(2000) *Speech and Language Disorders in Multiple Sclerosis*. London: Whurr Publishers.
4. Theodoros DG, Ward EC, Murdoch BE, Silburn P, Lethlean JB. (2000) The impact of pallidotomy on Motor Speech Function in Parkinson Disease *Journal of Medical Speech - Language Pathology* 8 (4) 315-322

Presentations

Lethlean JB Dysphasia outcomes following acute stroke management
(*PAH Week*, Brisbane, July 2000)

Postgraduate Students

David Copland	PhD student
Brooke-Mai Whelan	PhD student
Madeline Cruise	PhD student
Megan McAuliffe	PhD student
Anna Farrell	PhD student
Elizabeth Cardell	PhD student
Deborah Brooks	Honours student

(All students supervised by staff from the Department of Speech Pathology and Audiology, University of Queensland)

PHARMACY DEPARTMENT

Staff

Director of Pharmacy	Gwynneth Petrie
Assistant Directors of Pharmacy	Christine Maclean Ian Coombes
Clinical Trials Pharmacist	Robyn Hurley
Sterile Production Centre	Susan Cobcroft
Oncology / Haematology Unit (OHU) Pharmacists	Susan Cobcroft Robyn Hurley Christine Carrington
Senior Pharmacist Education, Conjoint Lecturer School of Pharmacy, University of Queensland	Judith Coombes
Senior Pharmacist Drug Utilisation Evaluation (DUE)	James Radford
Clinical Pharmacist- Renal	Joanne Sturtevant
Cardiac Consortium Research Pharmacist	Daniella Sanders

Current Research Activities

1. Clinical Trials

The clinical trials pharmacist, the sterile manufacturing pharmacists, the OHU pharmacists, and other pharmacists have continued to provide support to investigators involved in clinical trials. During 2000 this has involved about 80 trials.

Sevelamer Hydrochloride used in combination with conventional phosphate binders improves calcium phosphate balance. Joanne Sturtevant in collaboration with the Nephrology Department (Nikky Isbel, Carmel Hawley, Robyn Kirwan)

2. Other Research

The main research activities of the pharmacy department have been in the form of practice research. The Brisbane Cardiac Consortium has funded the position of one Clinical Pharmacist Full time. The DUE pharmacist has continued to coordinate the Drug Utilisation Evaluation studies. Practice research has also included "Audits of Prescribing and Drug Administration.

The DUE pharmacist has continued to coordinate the Drug Utilisation Evaluation studies. Practice research has also included follow-up on "Audits of Prescribing and Drug Administration".

Brisbane Cardiac Consortium while the pharmacy department is not amongst the principal investigators Daniella Saunders based in the pharmacy department is a research pharmacist

Patient Constipation Trial-Comparison of three treatment strategies for constipation on orthopaedic wards

In collaboration with Nursing and Dietetics departments

Maureen Spence Thomas, Robyn Stumm, Jeanine Greenhill, Leslie Light and Judith Coombes

DUE of Olanzapine at Princess Alexandra Psychiatric Unit (PAPU)

Saira Girnary, James Radford, J Choi.

Re-audit of vancomycin use. In collaboration with infectious diseases unit and clinical pharmacology

James Radford,

Pilot of clinical pharmacy contribution base

Daniel Stowasser, Ian Coombes Kamal Saini

An analysis of chemotherapy prescribing errors identified by a pharmacist on an oncology unit. Christine Carrington

Survey on drug administration with respect to food. Karen Jones, Daniel Stowasser, Matthew Wright.

Reaudits of Acid Suppression In collaboration with clinical Pharmacology James Radford, Peter Pillans, Fraser Mackenzie, Anne Marie-Flemming

Reaudit of Community acquired Pneumonia

In collaboration with Infectious Diseases, the Respiratory Unit and Clinical Pharmacology James Radford, David Looke, David Fielding, Peter Pillans

Medication Incident reporting survey Ian Coombes and Jennie McKay

Funding

Brisbane Cardiac Consortium while the pharmacy department is not amongst the principal investigators Daniella Saunders based in the pharmacy department is a research pharmacist for the consortium and her position is fully funded by the study (Full time PO3 pharmacist)

Publications

Publications which have appeared in 2000

1. Pillans P, Kubler PA, Radford JM, Overland V. Concordance between use of proton pump inhibitors and prescribing Guidelines. Medical Journal of Australia 2000;172:16-18
2. Stowasser DA, Staatz CE, Stowasser M, Coombes JA, Collins DM. Identifying drug related readmissions: Is there a better way of assessing the contribution of adverse medication events? Australian Journal of Hospital Pharmacy 2000; 30: 47-53.2000;
3. Leditschke IA, Coombes JA Concordance between use of proton pump inhibitors and prescribing guidelines. (letter) Medical Journal of Australia 2000; 172: 564
4. Johnson DW, Looke D, Sturtevant JM Treatment of peritoneal dialysis related peritonitis.(letter) Australian and New Zealand Journal of Medicine 2000; 30: 97-8

Lectures and Presentations

*Ian Coombes. Heart failure - advances . Post Graduate Diploma in Clinical Pharmacy September 2000

*Saira Girnary Advances in Depression Post Graduate Diploma in Clinical Pharmacy September 2000

*Ian Coombes Anticoagulation / Antithrombotic therapy Post Graduate Diploma in Clinical Pharmacy September 2000

*Karen Jones Advances in Asthma & COPD Post Graduate Diploma in Clinical Pharmacy September 2000

*Judith Coombes Treatment of lung infections; TB and Pneumonia Post Graduate Diploma in Clinical Pharmacy September 2000

*Judith Coombes Workshop on how to conduct a DUE Post Graduate Diploma in Clinical Pharmacy September 2000

*Joanne Sturtevant Drug Dosing in renal Disease Post Graduate Diploma in Clinical Pharmacy September 2000

*Jennie Mackay Hepatic Failure Graduate Diploma in Clinical Pharmacy September 2000

Lectures and Presentations (Cont'd)

*Petrie GM Drug Distribution and Hospital Pharmacy Practice Post Graduate Diploma in Clinical Pharmacy May 2000

Sturtevant J. Renal impairment in general patients- are we adjusting medication doses? PA week 2000

Petrie G Drugs-Where does the money go? PA week 2000

Coombes J. Outcomes of hospital pharmacy training-OSCEs as an assessment tool. PA week 2000

Cardiff L. The hazards of Warfarin therapy- a review of use in the hospital and community settings. PA week. 2000

Radford J Reducing inappropriate vancomycin use PA week 2000

Stowasser DA, Ford RF, Petrie GM, Czajkowski F, Maclean CM. Development of and Electronic application to facilitate implementation of the principles of continuum of care. Society of Hospital Pharmacists of Australia Clinical Conference QLD, October 2000

Peterson AK, Stowasser DA, Allen BS, Ismail S. The Pre-admission experience-three years out. Society of Hospital Pharmacists of Australia Clinical Conference QLD, October 2000

Maureen, Coombes J, Stumm R, Spence-Thomas M, Greenhill J, Hay J. A multidisciplinary study of the management of constipation in elderly orthopaedic patients. Society of Hospital Pharmacists of Australia Clinical Conference QLD, October 2000

Saunders D, Cardiff LM, O'Mahony T, Jones K, Mudge D. The drugs did it! A pilot study of medication related admissions to an acute tertiary referral hospital. Society of Hospital Pharmacists of Australia Clinical Conference QLD, October 2000

Girnar S, Radford J, Choi J. DUE of Olanzapine at Princess Alexandra Psychiatric Unit (PAPU). Society of Hospital Pharmacists of Australia Clinical Conference QLD, October 2000

Radford J. Stop! Don't call the police! Education versus restriction- targeting inappropriate prescribing of vancomycin. Society of Hospital Pharmacists of Australia Clinical Conference QLD, October 2000

Stowasser D, Coombes I Saini K. Pilot of clinical pharmacy contribution base. Society of Hospital Pharmacists of Australia Clinical Conference QLD, October 2000

Carrington C. An analysis of chemotherapy prescribing errors identified by a pharmacist on an oncology unit. Society of Hospital Pharmacists of Australia Clinical Conference QLD, October 2000

Jones K, Stowasser D, Wright M. Survey on drug administration with respect to food. Society of Hospital Pharmacists of Australia Clinical Conference QLD, October 2000

Postgraduate Students

Masters of Clinical Pharmacy; School of Pharmacy, University of Queensland;
James Radford

Masters of Clinical Pharmacy; School of Pharmacy, University of Otago, Dunedin, New Zealand
Joanne Sturtevant

Final Year of Diploma in Clinical Pharmacy School of Pharmacy, University of Queensland;
Susan McLeod

Awards to Staff Members

Carrington C; Presentation winner- SHPA conference Nov 2000

Public Service Relevant to Research

Gwynneth Petrie

- SHPA Deputy Chairman- Board of Censors, The Board of Censors runs the Fellowship Course, which includes a research component, for the Society of Hospital Pharmacists of Australia(SHPA).
- Member of review panel for SHPA clinical pharmacy awards
- Member of Queensland health Hospital Pharmacy Advisory Committee-Objectives include; Create an environment that supports pharmacists active engagement in teaching and research leading to publication and recognition with a view to supporting evidence based practice.

Christine Maclean

- Federal council member, Society of Hospital Pharmacist of Australia

ACQUIRED BRAIN INJURY OUTREACH CENTRE

Staff

	<u>Position</u>	<u>F.T.E</u>
Mr Raymund Quinn	Manager	1.0
Dr Pim Kuipers	Research & Development Officer	1.0
	Allied Health Staff	6.0
	Administrative Support	1.6

Current Research Activities

- A. Developing Community Based Rehabilitation (CBR) through Participatory Rural Appraisal (PRA). A rural research pilot. (Kuipers P, Kendall, E)
- B. Analysis of the content and themes of the rehabilitation goals of people with acquired brain injury in a community based service. (Kuipers P, Carlson G, Foster M)
- C. Responding to the psychological and social needs of people with stroke: Integrating theory and practice in post-discharge rehabilitation. (Buys N, Kendall E, Posner N, Kuipers P, Cox M)
- D. Tailoring existing drug and alcohol resources to assist people with ABI, their families and service providers (ABIOS)
- E. Developing a service evaluation strategy for community based ABI rehabilitation (ABIOS)
- F. Comparison of outcome measures for community based ABI rehabilitation (Kuipers P, Kendall M, Fleming J, Tate R)

Funding for 2000

	<u>Source</u>
B. \$8,000	Princess Alexandra Hospital Research & Development Foundation
C. \$206,405 + 'in kind' over 3 years 2000–2002	Australian Research Council ARC- SPIRT

Publications which have appeared in 2000

Kuipers P, Lancaster A (2000) Developing a suicide prevention strategy based on the perspectives of people with brain injuries. *Jnl Head Trauma Rehab* 15 (6) 1275-1284.

Kuipers P, Kendall E (2000) Reconsidering the use of Participatory Rural Appraisal (PRA) in Community Based Rehabilitation (CBR) *Asia-Pac Disab Rehab Jnl* 11(2) 51-61

Price P, Kuipers P (2000) CBR Action Research: Current status and future trends. In M Thomas & MJ Thomas (Eds). *Selected Readings in Community Based Rehabilitation*. Bangalore: APDRJ.

Articles which have been accepted for publication

Kuipers P, Quinn R (Accepted for publication). A template for evaluating community rehabilitation services: Outcome of a multi-service workshop. *Asia-Pac Disab Rehab Jnl*

Kuipers, P., Kendall, E. & Hancock, T. (Accepted for publication). Developing a rural community based disability service: (I) Service framework and implementation strategy *Aust Jnl Rur Hlth*

Lectures and Presentations

Kuipers P, Lancaster A (2000) Developing a suicide prevention strategy based on the perspectives of people with brain injuries. 5th Annual Brain Injury Rehabilitation Programme Research Forum. Westmead Hospital, Sydney.

Postgraduate Students

Ms Anshu Sharma

B.Occ.Thy. (Hons)

University of Queensland

Ms Sandra Bailey

B.Occ.Thy. (Hons)

University of Queensland

Public Service Relevant to Research

Dr P Kuipers

Examination:

Master of Human Services Thesis Griffith University

Member:

PAH Allied Health Research Committee

QUEENSLAND SPINAL CORD INJURIES SERVICE

Spinal Outreach Team (SPOT)

Staff

Ruth Cox - Programme Manager
Delena Amsters - Research Officer

Current Research Activities

Goal Attainment Scaling as a measure of client outcomes
Ruth Cox, Delena Amsters

Physical and psychosocial changes in people with long term spinal cord injury
Glenda Price, Kiley Pershouse, Delena Amsters, Pim Kuipers (ABIOS)

Modelling costs for pressure area management in the community against the cost of hospital care
Lucy Maugham, Delena Amsters, Sue Gargett(QUT), Tim Geraghty (SIU)

Validation of the SPOT risk screening tool
Delena Amsters, Kiley Pershouse, Ruth Cox, Leigh Tooth (UQ)

Evaluation of the effectiveness of Spinal Outreach Team follow-up on the prevention of rehospitalisation for pressure areas.
Ruth Cox, Delena Amsters, Carey Bayliss

The impact of Spinal Outreach Team intervention upon the role fatigue experienced by significant others of people with spinal cord injury
Delena Amsters, Glenys Carlson(UQ), Bettina Power, Nicola Hunter

Evidence based practice in reducing urinary tract infections related to intermittent clean self catheterisation
Melissa Ceely, Delena Amsters

Hospital readmissions following implementation of the Transitional Rehabilitation Program and Spinal Outreach Team (hospital readmission during the first two years after rehabilitation)
Melissa Kendall (TRP), Ruth Cox, Marilyn Boulton (TRP), Greg Ungerer(TRP)

Funding

The Spinal Outreach Team has been funded for a period of five years (1997-2002) by the Centre of National Research on Disability and Rehabilitation Medicine (CONROD)

\$5,000 - Princess Alexandra Hospital Research and Development Foundation Quality in Health Care Grant for "The impact of Spinal Outreach Team intervention upon the role fatigue experienced by significant others of people with spinal cord injury".

\$11,000 - Princess Alexandra Hospital Research and Development Foundation Quality in Health Care Grant for "Evaluation of the effectiveness of Spinal Outreach Team follow-up on the prevention of rehospitalisation for pressure areas".

\$13 000 - Princess Alexandra Hospital Research and Development Foundation Quality in Health Care Grant for "Physical and psychosocial changes in people with long term spinal cord injury".

Publications

Publications which have appeared in 2000

1. Cox RJ (2000) Using programme logic models in evaluation: a review of the literature and the spinal outreach team experience Br J of Occup Ther 63: 115-120.
2. Pershouse K, Cox R, Dorsett P (2000) Hospital readmissions in the first two years after initial rehabilitation for acute spinal cord injury Topics in SCI Rehabil 6: 23-33.
3. Ceely M (2000) Spinal cord injuries: a continuum from acute care to the community J Austral Rehabil Nurses Assoc 3: 21-23.

Articles which have been accepted for publication

1. Cox RJ, Amsters DI, Pershouse KJ The need for a multi-disciplinary outreach service for people with spinal cord injury living in the community, Accepted for publication by Clinical Rehabilitation

Lectures and Presentations

Cox R, Hunter N E-Health: The Spinal Outreach Team Experience. International Medical Society of Paraplegia Conference, Sydney, 2000.

Campbell J, Bayliss C, Pershouse K, Boulton M, Fronck P, Geraghty T The use of community based specialist spinal cord injury programs to assist in discharge planning for an elderly client with recurrent complications. International Medical Society of Paraplegia Conference, Sydney, 2000.

Lectures and Presentations

(cont'd)

Ceely M The Spinal Outreach Team education strategies: flexible delivery spanning from urban to rural and remote Queensland. 9TH National Nurse Education Conference, Sydney, 2000.

Hunter, N. Does telehealth work for you? OT Australia 6th State Conference, Toowoomba, 2000

Cox R, Amsters D Readmission and aging after spinal cord injury. CONROD Spinal Injury Research, Brisbane, 2000.

Price G, Amsters D, Pershouse K (poster presentation) Long Duration Spinal Cord Injury: An Analysis of Changes Over Time using the Functional Independence Measure.

Cox R, Hunter N (poster presentation) E-Health: the Spinal Outreach Team experience. International Medical Society of Paraplegia 39th Annual Scientific Meeting, Sydney.

Postgraduate Students

Delena Amsters - Master of Physiotherapy - The Wheelchair Posture of People With Tetraplegia

Jodie Thomas - Master of Public Health - Modelling costs for pressure area management in the community against the cost of hospital care (SPOT co-project with QUT)

Diana Su - Honours (Occupational Therapy) - Role Fatigue of Significant Others (SPOT co-project with The University of Queensland)

QUEENSLAND SPINAL CORD INJURIES SERVICE

Transitional Rehabilitation Program

Department

Transitional Rehabilitation Program,
3rd Flr Buranda Plaza
Cnr Cornwall St & Ipswich Rd
Buranda QLD 4102

Staff

Staff member	Position	Level	FTE**
Greg Ungerer	Manager	PO5	1 FTE
Melissa Kendall	Research Officer	PO3	0.5 FTE
Jennifer Campbell	Physiotherapist	PO3	1 FTE
Melissa Wallace	Occupational Therapist	PO3	1 FTE
Sue Booth	Social Worker	PO3	1 FTE
Marilyn Boulton	Clinical Nurse	L2	1 FTE
Jeff Daley	Business Coordinator*	A05	0.5 FTE
Susan Tiscia	Rehabilitation Assistant	OO3	0.5 FTE
Roslyn Jones	Administrative Assistant	A02	1 FTE

* This position is shared with the Acquired Brain Injury Outreach Service

** FTE = Full Time equivalent

Please note: Pat Dorsett is the former program manager. She has a publication related to research conducted by the Transitional Rehabilitation Program listed under 'Publications' below.

Current Research Activities

Several projects are being undertaken as individual and group projects within the Transitional Rehabilitation Program. These include:

Evaluation of the Transitional Rehabilitation Program service delivery model

The Transitional Rehabilitation Program is funded by a research and development grant from the CONROD and the Motor Accident Insurance Commission for a period of five years. The year 2000 was the third year of funding for the program. The purpose of TRP is to develop and evaluate an alternative community-based, client-focussed model of rehabilitation for people who have experienced spinal cord injury. The model developed allows for individuals to receive end-stage primary rehabilitation services in their own home or homelike accommodation, thereby facilitating earlier discharge from hospital. A comprehensive evaluation strategy is being used to determine the degree to which the program improves physical and psychosocial rehabilitation outcomes, increases client satisfaction and provides a more cost effective model of service delivery. Formative evaluation efforts have been ongoing with a summative evaluation due at the completion of the current funding period at the end of 2002.

Current Research Activities (Cont'd)

Readmissions to hospital following spinal cord injury

This study is being jointly conducted by the Transitional Rehabilitation Program and the Spinal Outreach Team (SPOT) to examine the impact of these programs on the hospital readmission rate for people with spinal cord injury. The first stage of the study involves tracking hospital readmission in a cohort of spinal injured individuals who were discharged from primary rehabilitation prior to the introduction of these services. This stage of the project has been completed and the findings published. The second stage of the study involves tracking hospital readmission in a cohort of spinal injured individuals who have been discharged from primary rehabilitation since the introduction of these services. Data collection is continuing for this stage of the project. It is expected that the hospital readmission rate and the length of stay for readmissions will be lower in the second cohort of individuals. The study is expected to be completed in 2002.

Aboriginal and Torres Strait Islanders with spinal cord injury in Queensland: A review of demographics and mortality outcomes

This study was a joint project conducted by the Transitional Rehabilitation Program and the Spinal Outreach Team. The project aimed to examine the mortality rates, cause of death and demographic distribution of persons of Aboriginal and Torres Strait Islander descent who had sustained a spinal cord injury between 1972 and 1997. This study has been completed and it is expected that the study will contribute to the development of more appropriate preventative health and rehabilitation services for persons of Aboriginal and Torres Strait Islander descent who sustain a spinal cord injury. A paper is currently being revised for publication.

Longitudinal tracking of anxiety among people with spinal cord injury who are approaching re-entry

This project is a collaborative project between the Transitional Rehabilitation Program, the Spinal Injuries Unit at the Princess Alexandra Hospital and the Victorian Spinal Cord Injury Service at the Austin and Repatriation Hospital in Melbourne. The project is still largely in the developmental stages but aims to track anxiety outcomes among people with spinal cord injury just prior to and following discharge from primary rehabilitation in two rehabilitation units with different clinical practices and continuum of care environments. A pilot study has been completed with 5 individuals and an application for funding has been submitted.

Current Research Activities (Cont'd)

A comparison of bladder infections in hospital and community environments for people with spinal cord injury

This study aims to compare bladder infections in hospital and community environments for people with spinal cord injuries. Specifically, the study aims to:

- ◆ compare the prevalence of bladder infection, the severity of bladder infection and the pathogens responsible for bladder infection in these two environments
- ◆ examine the impact of demographic factors and bladder management technique on bladder infection prevalence.

Data collection is complete for this study and preliminary data analysis has commenced. The study is expected to be completed by 2002.

The Clinical Outcomes Variables Scale (COVS): Its clinical utility as a mobility outcome measure for clients with spinal cord injury within a continuum of care environment

This project aims to examine the clinical utility of the Clinical Outcomes Variables Scale (COVS) as a mobility outcome measure for people with spinal cord injury within a continuum of care environment. Specifically, the study aims to:

- ◆ determine the psychometric properties of the instrument in this clinical setting
- ◆ examine the sensitivity of the instrument for detecting mobility change over time
- ◆ examine the ability of the scale to discriminate across level of injury
- ◆ determine whether the scale has greater discriminant and predictive validity in relation to mobility than the more general measures of functional independence.

Data collection is complete for this study and preliminary data analysis has commenced. The study is expected to be complete by 2002.

Goal attainment within a community-based multidisciplinary rehabilitation setting: Utilising a modified version of the Canadian Occupational Performance Measure (COPM) with a spinal cord injured population

This project aims to examine the clinical utility of a modified version of the Canadian Occupational Performance Measure (COPM) for use within a community-based multidisciplinary setting for people with spinal cord injury. Specifically, the study aims to:

- ◆ examine the sensitivity of the scale in detecting changes in goal performance and satisfaction
- ◆ determine the psychometric properties of the scale in this clinical setting
- ◆ identify demographic differences in multidisciplinary goal attainment and
- ◆ examine the relationship between quality of life, functional independence and goal attainment within the multidisciplinary environment.

Data collection is complete for this study and preliminary data analysis has commenced. The study is expected to be complete by 2002.

Current Research Activities

(Cont'd)

Staff knowledge, comfort and attitudes towards sexuality within a spinal cord injuries rehabilitation service: Design and evaluation of an education program

This project is a collaborative study being conducted by the Transitional Rehabilitation Program and the Spinal Injuries Unit and aims to develop and evaluate an education program aimed at promoting staff development in the area of sexuality education. Specifically, the study aims to:

- ◆ identify staff educational needs related to their knowledge of, comfort with and attitude towards provision of sexuality rehabilitation to people with spinal cord injuries
- ◆ develop an education program for staff that addresses their educational needs in the area of sexuality rehabilitation
- ◆ evaluate the ability of the education program to increase staff knowledge, improve staff comfort and promote positive staff attitudes towards sexuality among people with spinal cord injury

This project is a new study that is in the process of seeking ethical approval. It is anticipated that data collection will commence in mid 2001 and the study will be completed by the end of 2002.

Funding

The Transitional Rehabilitation Program is funded by a research and development grant from the Centre of National Research on Rehabilitation and Disability (CONROD) and the Motor Accident Insurance Commission of Queensland for a period of five years. (Total \$5,220,518).

All individual projects undertaken within the 2000 calendar year were internally funded by the Transitional Rehabilitation Program. There were no externally funded individual projects undertaken during this time.

Publications

Publications which have appeared in 2000

Pershouse K, Cox R, Dorsett P (2000) Hospital readmission in the first two years after initial rehabilitation for acute spinal cord injury *Top Spinal Cord Inj Rehabil* 6 (1) 23-33

Lectures and Presentations

Conference presentations

The Transitional Rehabilitation Program for people with spinal cord injuries: A new model of service delivery. Presented by Sue Booth at the 8th Annual Scientific Meeting of the Australasian Faculty of Rehabilitation Medicine (AFRM), August, 2000.

The Transitional Rehabilitation Program: A program for people with spinal cord injury. Presented by Greg Ungerer at the CONROD Spinal Symposium, Brisbane, October, 2000.

Longitudinal tracking of anxiety among people with spinal cord injury who are approaching community re-entry. Presented by Melissa Kendall at the CONROD Spinal Symposium, Brisbane, October, 2000.

The use of community-based specialist spinal cord injury (SCI) programs to assist in discharge planning for an elderly client with recurrent complications. Presented by Jennifer Campbell at the International Medical Society of Paraplegia conference, Sydney, October, 2000.

The Transitional Rehabilitation Program: A unique service for persons with a spinal cord injury. Poster presentation by Marilyn Boulton at the International Medical Society of Paraplegia conference, Sydney, October, 2000.

Lectures

****Overview of spinal cord injury: Physical systems affected and occupational therapy role.***

Presented by Melissa Wallace to the Occupational Therapy Department (2nd year students) at the University of Queensland, August, 2000.

****The role of physiotherapy in rehabilitation for spinal cord injury.*** Presented by Greg Ungerer to the Human Movements Department at the University of Queensland, May, 2000.

****Sports medicine for athletes with disabilities.*** Presented by Greg Ungerer to the Human Movements Department at the University of Queensland, September, 2000.

****Manual Wheelchair Technology in Rehabilitation.*** Presented by Greg Ungerer to the School of Mechanical and Biomedical Technology at Queensland University of Technology, September, 2000.

Postgraduate Students

Staff member	Degree	Institution and Department
Melissa Kendall	Doctor of Philosophy	Griffith University School of Human Services Logan Campus

Nursing Services

Staff

Kerri Holzhauser – Acting Clinical Nurse Consultant (part-time 16 hrs per week)

Current Research Activities

K. Holzhauser: A study of the effects of inviting patient's relatives (and significant others) into resuscitation rooms during resuscitation activities.

K. Boch: Six month follow up of the functional outcomes of people six months post acute stroke.

M. Spence Thomas: (Chief Investigator), Managing constipation in elderly orthopaedic patients using either pear juice or high fibre supplement.

Marjorie Heasman: The benefits of weekly urinalysis.

Publications

Publications which have appeared in 2000

Moody C., (2000), 'The Cognitive Impact of Traumatic Brain Injury', *Australasian Journal of Neuroscience*, July-Sept.

O'Maley T., (2000), 'The Scientific Face of Multiple Sclerosis: Applying the Disease to the Patient', *Australasian Journal of Neuroscience*, July-Sept.

Winsor K., Blake S., Pyne L., and Juers A., (2000), 'The innovative ward project: promoting innovation in health service delivery', *Australian Health Review*, 23 (4): 151-9.

Juers, A., and Birgman S., (2000), Advance course fee payments – an incentive for tertiary study', *Critical Times*, 4 (4):6.

Articles which have been accepted for publication

Trad L., (2001), 'Spinal Epidural Abscess – the Potential Space for Disaster' accepted for the *Australasian Journal of Neuroscience*, July – Sept edition.

Spence Thomas M., et al, 'Managing constipation in elderly orthopaedic patients using either pear juice or high fibre supplement', accepted by the Australian Journal of Nutrition and Dietetics.

Lectures and Presentations

O'Keefe T., (2000), 'Rectus sheath haematoma following subcutaneous low molecular weight heparin therapy' at the International Union of Angiology Conference Perth July 2000.

O'Malley T., 'Multiple Sclerosis in the Tertiary Referral Setting', Australasian Neurosciences Nurses Association Annual Scientific Meeting – September 2000.

O'Malley T., 'Development of a Multidisciplinary Outpatient Service for Neurology Clients', Australasian Neurosciences Nurses Association Annual Scientific Meeting – September 2000.

Spence-Thomas, M., 'The Lived Experience of Gerontological Nurses', Geriaction, October 2000.

Juers A., Heron R., Wheeler M., 'Queensland Health Transition to Intensive Care Program: Impacts and Benefits', 25th Australian and New Zealand Annual Scientific Meeting, October 2000.

Postgraduate Students

M. Draper, *Masters of Nursing Rehabilitation** (First nurse in Qld with this qualification)

B. Nemeth, *Masters of Nursing Gerontology**

C. Urquhart, *Masters of Nursing Clinical**

C. Crawford, *Masters of Health Management**

K. Boch, *Masters of Health Management**

K. Slater, *Masters of Public Health and Tropical Medicine**

Werder, *Masters of Health Science Health Service Management**

L. Barrett, *Master of Oncology Nursing**

Heel, *Masters of Information Management*

Awards to Staff Members

Theresa O'Keefe, International Union of Angiology free paper prize.

Division of Surgery

SURGERY – Breast, Endocrine & Thoracic Unit

Staff

Dr I Bennett
Dr L Hartley
Dr N Wetzig
Dr D Wilkinson

Current Research Activities

- 1) "RACS SNAC Trial" A randomised controlled trial of Sentinel Node Biopsy versus Axillary Clearance in the Management of Breast Cancer (PAH is key and inaugural institution in the trial)
- 2) CanCope Psychological Intervention for Breast Cancer Patients
- 3) Impact of a Psychological Intervention upon the Immune Function and Disease in Women with Breast Cancer

Funding

- | | | |
|----|---|-----------|
| 1) | SNAC Trial | |
| | MBF | \$59,000 |
| | Commonwealth Department of Health & Aged care | \$100,000 |
| 2) | CanCope Project | |
| | Queensland Cancer Fund | \$50,000 |

Published Abstract

- 1) Scott J L; Halford W; McGuckin M; Ward B; Wetzig N; Pyke C (2000) Preliminary results of CanCope: Trial of a cost effective self-directive intervention for women with Breast cancer and their close support persons; Poster and Abstract (suppl 1) p 36: 6th International Congress of Behavioural medicine, Brisbane Australia.

Lectures and Presentations

"Sentinel Node Biopsy in Breast Cancer: Surgical technique": N Wetzig (Invited Speaker) 4th Leura International Breast Cancer Conference November 2000

Sentinel Node Biopsy in Breast Cancer: N Wetzig (Invited Speaker)
BreastScreen Western Australia CME Weekend February 2001

Does Surgeons Workload Matter to Outcome: N Wetzig (Invited Speaker)
BreastScreen Western Australia CME Weekend February 2001

Public Service Relevant to Research

N Wetzig:

- ❑ Chairman RACS Section of Breast Surgery May 1999-2001
- ❑ RACS Representative National Advisory Committee Breast Screen Australia
- ❑ RACS Representative BreastScreen Queensland Quality Management Committee
- ❑ Principal Investigator RACS SNAC Trial

STAFF

Dr Jon Cohen	Sandy Blake, NPC
Dr David E. Theile	Jodi Cooper
Dr Brian Miller	Jo Czislowski
Dr David Schache	

CURRENT RESEARCH ACTIVITIES

- "Acute abdomen in cord-injured patients – diagnosis and outcome".
- "Pre-operative radiation therapy for rectal cancer".
- "Colorectal cancer in younger patients – How do they fare?".
- "Incidence and outcome of volvulus at PAH".
- "Presentation of colon cancer at PAH – Is obstruction now less common?".
- "Stapled haemorrhoidectomy in cord-injured males – The PAH experience".
- "Anorectal melanoma in Queensland – A comparative study".

FUNDING

- Ethicon Ltd; grant of \$6000. For the publication of "General Surgical Lists and Reminders", ISBN: 0 646 39017 1; 4th Edition 2000, UQ Press.
- Ethicon J & J; surgical travelling scholarship to Dr David Colledge; \$2000.
- Ethicon J & J; Colorectal Project; \$6000.
- Autosuture; Colorectal Project; \$6000.

PUBLICATIONS

Watters DAK, Theile DE (2000) *Progress of Surgical Training in Papua New Guinea to the End of the 20th Century*, ANZ Journal of Surgery: 70: pp 302-307.

Miller BJ (2000) *General Surgical Lists and Reminders*, ISBN 0 646 39017 1. 4th Edition, 2000; Univ. of Qld Press.

PUBLICATIONS

(Cont'd)

Ward DI, Miller BJ, Schache DJ, Cohen JC, Theile DE (2000) *Cut or Paste: The Use of GTN Paste to Treat Anal Fissure*, ANZ Journal of Surgery: 70(1); p19-21.

Blake S (2000) *Innovative Ward Project*, Australian Health Review - November issue.

ARTICLES WHICH HAVE BEEN ACCEPTED FOR PUBLICATION

Turkiewicz D, Miller BJ, Schache DJ, Cohen JR, Theile DE *Young Patients with Colorectal Cancer: How Do They Fare?* ANZ Journal of Surgery, October 2000.

Miller BJ Editorial entitled *Colonic Injury: Does Colostomy Still Have a Place?* Injury, November 2000.

Miller BJ, Hall D, Geraghty T, Wong C-H, Cohen JR *Outcome of the Acute Abdomen in Patients with Previous Spinal Cord Injury*. ANZ Journal of Surgery, June 2000.

Nicol D, Miller BJ, Wall D *The corpus Cavernosum as an Alternative Means of Intravenous Access in the Emergency Setting*. ANZ Journal of Surgery, February 2000.

Blake S *Clinical Pathways : A Public Health Nurses View* (Chapter in a book to be compiled by Mark Siddins and Don Hindle)

LECTURES AND PRESENTATIONS

David E Theile:-

Kurt Aaron Oration, PAH Week, Brisbane, July 2000:

Entitled: *Science, Medicine, Sport and the Olympics*

David J. Schache:-

Gastroenterology Nurses Soc. of Australia Annual Meeting, Hobart, October 2000:

Paper entitled: *Diverticular Disease*.

Australian Gastroenterology Week, Hobart, October 2000:

Paper entitled: *Colonoscopy Complications*.

Brian J. Miller:-

Annual Curriculum Conference, UQ School of Medicine, Brisbane, August 2000:

Paper entitled: *Comparative Study of Undergraduate and Graduate Medical Students at University of Queensland*.

Grand Rounds at Redcliffe Hospital by invitation, July 2000:

Current Management of the Ruptured Spleen.

LECTURES AND PRESENTATIONS

(Cont'd)

Sandy Blake:-

"Three Steps Forward - 2 Steps Back" - November 2000, Royal Adelaide Hospital, Adelaide, 5th Annual Nursing Conference.

"Leading and Managing People" - December 2000, Brisbane Sheraton, Ausmed Conference.

Jo Czislowski/Jodi Cooper/Sandy Blake:-

"Surgery as a Cancer Treatment Modality". * This lecture was given three times during the year 2000 on three separate occasions. Given to RN's for "The Queensland Cancer Fund Cancer Nursing Education Programme" run by the Queensland Cancer Fund.

AWARDS TO STAFF MEMBERS

David E Theile:-

Sir Hugh Devine Medal of the Royal Australasian College of Surgeons

SURGERY – Liver Transplantation Unit

STAFF

A/Prof Stephen Lynch
Prof Jonathon Fawcett
Dr Tony Griffin
Dr Darrell Wall
Prof Russell Srong
Prof Paul Kerlin
A/Prof Darrell Crawford
Dr Bruce Burrow
Dr Barton McKenzie
Dr Julie Jonsson
Dr Elizabeth Powell
Dr Nina Saxton
Prof Sue Tett
Dr Peter Pillans
Dr Paul Taylor
Dr Paul Salm

Dr Peter Moran
Dr Iain Salkield
Dr Norris Green
Dr Robert Bond
Dr Janene Solomos
Dr Peter Whiting
Dr Mark McCullen
Dr Katherine Stuart

Senior Scientist
Glenda Balderson

Unit Secretary
Sandra Bukumirovic

Current Research Activities

S E Tett, "Population pharmacokinetics and dose prediction for Tacrolimus".

J Fawcett "Development of small peptide inhibitors of cell adhesion, effective in reperfusion injury".

Gotley DC, Yeadon T, Crawford D and Fawcett J "Hepatocellular carcinoma encapsulation: tumour – host organ interactions".

J Fawcett, "Ischaemia-Reperfusion Injury of the Liver".

J Fawcett, "The role of CD44 in cancer metastasis".

J Fawcett, "Encapsulation in HepatoCellular Carcinoma (HCC)".

J Fawcett, "The application of Radio Frequency Ablation in the treatment of liver tumours".

Funding

Fawcett J (1998-2000)

Development of small peptide inhibitors of cell adhesion, effective in reperfusion injury. (A\$ 150,000)
Project Grant, NH&MRC.

Gotley DC, Yeadon T, Crawford D and Fawcett J (1999-2000)

Hepatocellular carcinoma encapsulation: tumour – host organ interactions.
(A\$ 100,000)
Project Grant, NH& MRC.

Publications

1. **Nakazawa Y, Walker NI, Kerlin P, Steadman C, Lynch SV, Strong RW, Clouston AD** (2000) Clinicopathological analysis of liver allograft biopsies with late centrilobular necrosis – A comparative study in 54 patients *Transplantation* 69 (8) 1599-1608
2. **Jonsson JR, Edwards-Smith CJ, Catania SC, Morotomi Y, Hogan PG, Clouston AD, Bansal AS, Lynch SV, Strong RW, Powell EE** (2000) Expression of cytokines and factors modulating apoptosis by human sinusoidal leucocytes *J. Hepatol* 32 (3) 392-298
3. **Yamanaka J, Lynch SV, Ong TH, Fawcett J, Robinson HE, Beale K, Balderson GA, Strong RW** (2000) Surgical complications and long-term outcome in pediatric liver transplantation. *J. Hepato-Gastroenterol* 47 (35) 1371-1374

Publications

(cont'd)

4. **Gilroy RK, Lynch SV, Strong RW, Kerlin P, Balderson GA, Stuart KA, Crawford DHG** (2000) Confirmation of the role of the Mayo risk score as a predictor of resource utilization after orthotopic liver transplantation for primary biliary cirrhosis J. Liver Transplant 6 (6) 749-752
5. **Neil DAH, Lynch SV, Hardie IR, Effeney DJ** (2000) Endothelium during microarterial graft procurement and transplantation J. Microsurg 20 (3): 121-125 2000
6. **Stuart KA, Fletcher LM, Clouston AD, Lynch SV, Purdie DM, Kerlin P, Crawford DHG** (2000) Increased hepatic iron and cirrhosis: No evidence for an adverse effect on patient outcome following liver transplantation J. Hepatol 32 (6) 1200-1207
7. **Nakazawa Y, Jonsson JR, Walker NI, Kerlin P, Steadman C, Lynch SV, Strong RW, Clouston AD** (2000) Fibrous obliterative lesions of veins contribute to progressive fibrosis in chronic liver allograft rejection J. Hepatol 32 (6) 1240-1247
8. **Ando Y, Beck Y, Nakayama S, Asami A, Nomura Y, Tomikawa S, Takiguchi M** (2000) Induction of long-term heart graft survival by intrathymic injection of HLA class I peptide: A study with HLA class I transgenic mice model J. Transplant. Proceedings 32 (7) 2049-2050
9. **Strong RW** (2000) Deaths after living related liver transplantation – Response J. Liver Transplant. 6 (2) 250-250
10. **Strong RW** (2000) Transplantation for liver and biliary cancer J. of Seminars in Surg. Oncol 19 (2) 189-199
11. **Crawford DHG, Fawcett J** (2000) Hepatocellular carcinoma in Australia: largely preventable? Med J. Australia 173 (8) 396-397
12. **Taylor PJ, Salm P, Lynch SV, Pillans P** (2000) Simultaneous quantification of Tacrolimus and sirolimus, in human blood, by high performance liquid chromatography tandem mass spectrometry Ther-Drug Monit 22 (5) 608-612
13. **Stuart KA, Fletcher LM, Clouston AD, Lynch SV, Purdie DM, Kerlin P, Crawford DHG** (2000) Increased hepatic iron and cirrhosis: no evidence for an adverse effect on patient outcome following liver transplantation Hepato 32 (6) 1200-1207
14. **Nakazawa Y, Jonsson JR, Walker NI, Kerlin P, Steadman C, Lynch SV, Strong RW, Clouston AD** (2000) Fibrous obliterative lesions of veins contribute to progressive fibrosis in chronic liver allograft rejection Hepato 32 (6) 1240-1247

Publications

(cont'd)

15. **Taylor PJ, Salm P, Lych SV, Pillans PI** (2000) Simultaneous quantification of tacrolimus and sirolimus, in human blood, by high-performance liquid chromatography-tandem mass spectrometry. *Ther Drug Monit* Oct 22 (5) 608-612
16. **Kaneko K, Takei Y, Aoki T, Ikeda S, Matsunami H, Lynch S** (2000) Bilirubin absorption therapy and subsequent liver transplantation cured severe bilirubin encephalopathy in a long-term survival patient with Crigler-Najjar Disease Type 1 *Internal Medicine* Nov 39 (11) 961-965
17. **Balderson A, Strong RW** (2000) Surgical complications and long-term outcome in pediatric liver transplantation *Hepato-Gastroenterology* 47: 1371-1374
18. **Nakazawa Y, Walker NI, Kerlin P, Steadman C, Lynch SV, Strong RW, Clouston AD** (2000) Clinicopathological analysis of liver allograft biopsies with late centrilobular necrosis – a comparative study in 54 patients *Transplantation* 69 (8) 1599-1608
19. **Sekido H, Takeda K, Morioka D, Jubota T, Togo S, Nakatani Y, Matsunami H, Lynch SV, Strong RW, Shimada H** (2000) Successful conversion from cyclosporine to tacrolimus for immunosuppression *Transplant Proc* 32 (7) 2120-2
20. **Strong RW** (2000) Invited Commentary. Recognition of Intrahepatic Hepatic Metastases from Colorectal Adenocarcinoma *J Hepatobiliary Pancreat Surg* 11: 390-391
21. **Nakazawa Y, Jonsson J, Walker N, Kerlin P, Steadman C, Lynch S, Strong R, Clouston A** (2000) Fibrous obliterative lesions of veins contribute to progressive fibrosis in chronic liver allograft rejection *Hepatology* 32: 1240-1247
22. **Pinn G, College I, Strong R** (2000) Gangliocytic paraganglioma – a rare cause of gastrointestinal bleeding *Australasian J Hospital Medicine* Vol 1 5: 33-34
23. **Gilroy RK, Lynch SV, Strong RW, Kerlin P, Balderson GA, Stuart KA, Crawford DHG** (2000) Confirmation of the role of the Mayo risk score as a predictor of resource utilization after orthotopic liver transplantation for primary biliary cirrhosis. *Liver Transplantation* Vol 6 6: 749-752
24. **Strong RW** (2000) Transplantation for liver and biliary cancer. *Semin Surg Oncol* 19: 189-199.
25. **Strong R** (2000) Colorectal liver metastases – results of resection *Aust NSJ Surg* 70 (Suppl) A 93
28. **Strong RW, Lynch SV** (2000) Live Related Donors in Liver Transplantation *Surgery of the Liver and Biliary Tract (Third Edition)* Pages 2129-2140 Editors L Blumgart & Y Fong. WB Saunders. London

Articles which have been accepted for publication

Strong RW, Invited Commentary. Selective vascular occlusion with staged hemihepatectomy for blunt liver trauma. Aust NZJ Surg (In Press)

Abstracts which have been published

Salm P, Taylor PJ, Lynch SV, Pillans PI (2000) Quantification of SDZ RAD in Human blood by HPLC – Tandem Mass Spectrometry Proc Aust Soc Clin Exp Pharmacol Toxicol Vol 8

Lectures and Presentations

A/Prof Stephen Lynch

“Advances in Liver Transplantation”,
Transplant Nurses Association of Australia and New Zealand, Nov 3, 2000.

Prof Jonathon Fawcett

“Biliary Complications In Liver Transplantation”
Invited update presentation given at the IVth World Congress of the International Hepato Pancreatico Biliary Association, Brisbane, 2000

Prof Russell Strong

“Traveller, there is no path, a path is made by walking”
Hamilton Russell Memorial Lecture, Annual Scientific Congress, RACS, GSM, Melbourne, May, 2000

“Colorectal liver metastases – results of resection”
Invited speaker, Annual Scientific Congress, RACS, Melbourne, May, 2000

Update lecture

“Bile duct cancer”

“Hilar cholangiocarcinoma – resectable or not”

Invited speaker, IVth IHPBA World Congress, Brisbane, June, 2000

“The future vision for transplantation”

Invited speaker, APASL, IASL AND JSH Joint Postgraduate Course, Fukuoka, Japan, June, 2000

3rd JH Louw Visiting Professor & Memorial Lecturer, University of Cape Town, Groote Schuur Hospital, Cape Town, South Africa, September, 2000.

Lectures and Presentations

Prof Russell Strong

(cont'd)

Invited speaker, African Association for the Study of the Liver, Sun City, South Africa, September, 2000.

Guest Lecturer, 32nd World Congress of the International College of Surgeons, Singapore, October, 2000.

- Surgical Debate – “Hepatocellular cancer management: liver transplantation or resection?”
- Debate – “Liver transplantation : live related or cadaveric?”
- Plenary Lecture – “Transplantation : reflections and predictions”
- International Faculty Teacher in the Congress Workshop on the Surgical Anatomy of the Liver

Dr Anthony Griffin

(Video Presentation) “The Multi-Organ Donation Operation”, Asian Surgical Society, April 2000.

Public Service Relevant to Research

A/Prof Stephen Lynch

- International Advisory Committee on Liver Disease. Fondazione Giovanni Lorenzini (Milan, Italy and Houston, USA)
- Assessor National Health and Medical Research Council
- Queensland Health Department Advisor to the Australian Co-Ordinating Committee on Organ Retrieval and Donation
- Associate Editor of “Liver Transplantation and Surgery” Journal sponsored by American Association for the Study of Liver Disease and the International Liver Transplantation Society.
- Editorial Board of “Transplantation”
- Member, International Scientific Board of ART (Assoc. for Research in Transplantation), Italy.

Public Service Relevant to Research

A/Prof Stephen Lynch

(cont'd)

- Chairman, Sasakawa Memorial Research Fund
- Editorial Advisory Board of Transplantation Reviews
- Member TSANZ Accreditation and Training Committee for Transplant Surgeons
- Member RACS Accreditation and Training Committee for Transplant Surgeons
- President Elect, Transplantation Society of Australia and New Zealand
- Chairman of Transplant Surgeons Special Interest Group of Transplantation Society of Australia and New Zealand
- Member of Transplantation Advisory Committee, Queensland Health.
- Chairman, Sasakawa (Nippon Foundation) Memorial Fund committee, Royal Children's Hospital Foundation
- Member Medical Advisory Board of Biliary Atresia and Liver Transplantation (BALT) a section of Children's Liver Alliance, New York, USA
- Deputy Head of Section of Transplantation Surgery Royal Australasian College of Surgeons
- Member Editorial Board, Graft Journal.

SURGERY – Queensland Melanoma Project

STAFF	Professor GRC McLeod AO Assoc Professor BM Smithers Assoc Professor DB Thomson Dr E Walpole Assoc Professor B Burmeister Dr J Harvey Ms Anna Chung Mr A Stoneley	Surgical Oncology Surgical Oncology Medical Oncology Medical Oncology Radiation Oncology Radiation Oncology Data Manager Qld Melanoma Register Trials Data Manager (Part-time)
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CURRENT RESEARCH ACTIVITIES

STATUS	SPONSOR / TRIAL IDENT.	TRIAL TITLE
Proceeding in 2000	NCI PO1 CA29605-12/ John Wayne Cancer Institute (MLST) Research Protocol 4/95	Clinical study of wide excision alone versus wide excision with intraoperative lymphatic mapping and selective lymph node dissection in treatment of patients with cutaneous invasive melanoma.
Full accrual COMPLETED	NHMRC Trials Centre Research Protocol	Randomised trial of Vaccinia Melanoma Cell Lysate vaccine- patients with high-risk malignant melanoma
Proceeding in 2000	Research Protocol 41/97	Development of a melanoma vaccine comprising autologous dendritic cells pulsed with autologous melanoma antigens for clinical use.
With Ethics Committee Current	Schering Plough E96-368-05 (SCH 52635) PAH Melanoma Clinic Rhône-Poulenc Rorer Pharmaceuticals	A Phase II study of Temodal (SCH52635) in the treatment of patients with previously treated metastatic melanoma. Phase I-II study of Doctaxel with Dacarbazine in patients with metastatic melanoma
Current NHMRC Grant	Queensland Health M. Smithers	Queensland Melanoma Register Isolated limb infusion for recurrent melanoma isolated to the limb.
Recruitment at PAH ceased during year	Polartech	Evaluation of automated instrumentation for the diagnosis of invasive melanoma - Image analysis of oil epiluminescence microscopy.
Current	Maxim Pharmaceuticals MP-MA-0102	A multi-center, randomized open-label study to evaluate the safety and efficacy of combined immunotherapy with subcutaneous interleukin-2, interferon 2b, and Maxamine versus intravenous Dacarbazine (DTIC) alone in patients with advanced malignant melanoma.

FUNDING: Qld Health for Queensland Melanoma Register Annual - \$52,000

PUBLICATIONS

Garbe C, **McLeod GR**, Buettner PG. (2000) Time trends in cutaneous melanoma in Queensland, Australia and Central Europe. *Cancer* 89, 1269-1278.

Wu ZY, **Smithers BM**, Anderson C, Roberts MS. Can tissue drug concentrations be monitored by microdialysis during or after isolated limb perfusion for melanoma treatment? *Melanoma Res* 2000;10:47-54.

Roberts MS, Wu ZY, Siebert GA, Anissimo YG, Thompson JF, **Smithers BM**. (2000) Pharmacokinetics and pharmacodynamics of melphalan in isolated limb infusion for recurrent localised limb malignancy. *Melanoma Res*. In Press.

PUBLISHED ABSTRACTS

Smithers BM, Burmeister B, Baumann K. (2000) Phase II study assessing the role of radiotherapy after nodal surgery for metastatic melanoma. *Aust NZ J Surg* 70(supp); A78

Thomson DB. (2000) Melanoma: new treatments, or, is there anything better than dacarbazine? ISOPP VII, *J Oncol Pharm Pract* 6: 17 (abstr) presented in Prague March 00

LECTURES AND PRESENTATIONS

Smithers BM, Burmeister B (2000) Radiation Therapy – The forgotten tool in the fight against Melanoma. Annual Scientific Meeting, Clinical Oncological Society of Australia, Adelaide.

Smithers BM, Burmeister B, Baumann K (2000) Phase II study assessing the role of radiotherapy after nodal surgery for metastatic melanoma. Annual Scientific Congress, Royal Australasian College of Surgeons, Melbourne.

POSTERS

Parsons P, **Smithers BM**. (2000) Preclinical development of a melanoma – selective drug: Support: NHMRC 1998 – 2000 - \$60,000 per annum

Roberts M, Thompson J, **Smithers BM**, Anderson C. (2000) Pharmacokinetics and pharmacodynamics of isolated limb perfusion and isolated limb infusion. Support: Princess Alexandra Hospital Foundation 1998 - \$10,000, NHMRC 1998 – 2000 - \$75,000 per annum

Thomas R, **Smithers BM, Walpole E, McLeod R**. (2000). Development of Autologous Melanoma Vaccine for patients with stage IV metastatic melanoma. Support: University of Queensland – Cancer Research Fund – 1998, Queensland Cancer Fund – 1999 – 2000 \$40,000 per annum, NH&MRC 2000 – 2002 \$103,000 per annum

PUBLIC SERVICE RELEVANT TO RESEARCH

GRC McLeod	Board Member, Princess Alexandra Hospital Research Foundation Co-ordinator, Queensland Melanoma Project Member, 2001 Conference Committee, Clinical Oncology Soc Aust
BM Smithers	Council Member, Queensland Institute of Medical Research Member, Scientific Advisory Committee, Australasian Gastro- Intestinal Trials Group Member, 2001 Conference Committee, Clinical Oncology Soc Aust Member, Queensland Co-operative Oncology Group
DB Thomson	Member, Supervising Committee, Australasian Germ Cell Neoplasm Study Group
E Walpole	Deputy Chairman, Qld Scientific Committee, Queensland Cancer Fund
B Burmeister	Member, Queensland Co-operative Oncology Group Member Scientific Committee, TransTasman radiation Oncology Group Member, Australian Gastro-Intestinal Trials Group

SURGERY – Neurosurgery Department

Staff

Dr Michael Weidmann	Chairman of Neurosurgery & Senior Visiting Neurosurgeon
Dr Adrian Nowitzke	Director of Neurosurgery
Dr Leigh Atkinson	Senior Visiting Neurosurgeon
Dr Bruce Hall	Visiting Neurosurgeon
Dr Robert Campbell	Visiting Neurosurgeon

Current Research Activities

Clinical Trials

1. Dr Adrian Nowitzke - Prospective Analytical Study of ICP Measuring Technology
2. Dr Bruce Hall – Prospective Analytical Study of Cervical Interbody Cages
3. Dr Peter Silburn – Parkinson’s Disease

Publications

1. D’Urso PS, Earwaker WJ, Barker TM, Redmond MJ, Thomson RG, Effeney DJ, Tomlinson FH Custom Cranioplasty Using Stereolithography And Acrylic 2000 Brit J. Plastic Surg 53(3) 200-204
2. D’Urso Ps, Redmond MJ A Method For the Resection of Cranial Tumours And Skull Reconstruction 2000 Brit J. Neurosurg 14(6): 555-559
3. Whitby M, Johnson BC, Atkinson L, Stuart G Comparative Efficacy of Intravenous Cefotaxime And Trimethoprim/Sulfamethoxazole In Preventing Infection After Neurosurgery: A Prospective, Randomised Study 2000 Brit J. Neurosurg 2000 14(1) 13-18
4. Whitby M, Johnson BC, Atkinson L, Stuart G Comparative Efficacy of Intravenous Cefotaxime And Trimethoprim/Sulfamethoxazole In Preventing Infection After Neurosurgery A Reply Brit J. Neurosurg 2000 14 (6) 599-600

Lectures and Presentations (Invited Speaker)

Dr Leigh Atkinson

Hong Kong Surgical Forum

"Management of Intracranial Aneurysms" Jan 2000

Lecture to Neurosurgeons, Shanghai, China

"Advances in Craniofacial Surgery in Australia" Jan 2000

Royal Australian College of Surgeons Annual Scientific Meeting, Melbourne

"History of Hugh Trumble" May 2000

LAAMS Medico Legal Lecture

"Cervical Spine Acceleration Injuries" June 2000

Academia Urasiana Neurochirurgica Conference

Bali, Indonesia

"Phrenology Nightmares and Craniofacial Surgery" July 2000

The Asian Congress of Neurological Surgeons, Nagoya, Japan

"The Future of Neurosurgery"

"Non-Adenoma Lesions in the Pituitary Fossa"

"Changes and Challenges - the Education of a Neurosurgeon in Australia"

November 2000

Awards to Staff Members

Dr Adrian Nowitzke – Award for Excellence in Clinical Teaching, University of Queensland.

SURGERY – Urology & Renal Transplantation Unit

Staff

Director	Dr David L Nicol
Urologists	Dr William Cadzow Dr Ross Cartmill Dr Peter Heathcote Dr Roger Hinsch Dr Graham Holmes Dr Peter Mactaggart Dr John Preston Dr Glen Wood
Live Donor Coordinator	Gayle Frohloff
Urology Fellows	Trung Pham Abolyosr Hussein
Continence Advisor	Colleen Marsh R.N.
Clinical Staff	Jamie Reynolds - Urology Trainee Irina Oleinikova - Clinical Trial Coordinator (UQ)

Affiliated Scientific Staff of University of Queensland

Research Officer	Meaghan L Douglas
Urodynamics Research	Ian Wilson

Current Research Activities

Clinical Trials

Nicol D & Oleinikova I

1. A Randomized, Double-Blind Parallel-Group Trial Comparing Casodex 150mg Once Daily with Placebo in Patients with Non-Metastatic Prostate Cancer". AstraZeneca, 7 years (1998-2004),
2. A Phase III Multicentre, Double-Blind Randomized Placebo Controlled Parallel Group Study of Darifenacin versus Tolterodine in Patients with Overactive Bladder". Pfizer, 2 years (2000-2001).

Current Research Activities

Other Research

In affiliation with the University of Queensland:-

Renal cell carcinoma (RCC):

Currently, there is no effective treatment available for patients diagnosed with advanced RCC. Our research is aimed at identifying new therapeutic strategies with the potential to inhibit, or even regress, RCC tumour growth. We are examining cytokines and growth factor pathways implicated in tumour growth, angiogenesis and metastasis, including hepatocyte growth factor (HGF), vascular endothelial growth factor (VEGF), insulin-like growth factor type I (IGF-I) and the renin-angiotensin system (RAS). This work is carried out in collaboration with Dr Julie Jonsson (University of Queensland, Department of Surgery), Dr David Johnson (Renal Research Unit, Princess Alexandra Hospital) and Associate Professor Judith Clements (Queensland University of Technology, Life Sciences).

Testicular germ cell tumours (TGCTs):

These tumours are the most common malignancy diagnosed in young men, and occur between the onset of puberty and middle age. Whilst up to 90% of patients can confidently expect a cure, little is understood about the development and progression of these tumours. Our research is focussed on developing a greater understanding of the biology of TGCTs in order to develop new treatment options for patients with advanced or recurring disease. Currently, treatment involves surgery and chemotherapy, and can lead to long-term problems for patients such as infertility, impotence, hearing loss and secondary malignancy. We are interested in generating therapeutic options that offer less toxic and more effective means of treatment for these patients. This work is carried out in collaboration with Associate Professor Toni Antalis (Queensland Institute of Medical Research/University of Queensland, Joint Oncology Laboratory).

Carcinoma of the prostate (CaP):

The leading cause of cancer-related death in men is prostate cancer. Although this malignancy can be managed very well using current treatments, there is as yet no cure to prevent progression and metastasis. A better understanding of the biology of these tumours would enable us to refine and enhance treatment strategies, providing better long-term outcomes for patients. This work is carried out in collaboration with Associate Professor Judith Clements (Queensland University of Technology, Life Sciences).

Funding

Renal cell carcinoma:

Funding source	Duration	Title	Investigators	Funds for 2000
NHMRC	3 years (1998-2000)	The characterization of a novel molecular marker for renal cell carcinoma	Clements, Nicol	\$49,143
QCF	4 years (1998-2001)	Efficacy of captopril in the treatment of patients with advanced renal cell carcinoma	Nicol, Walpole, Johnson, Jonsson	\$42,000
Progen Industries Pty Ltd	2 years (2000-2001)	Pre-clinical trial of heparin-binding growth factor blockade in renal cell carcinoma.	Nicol, Douglas, Podger	\$36,000
Australasian Urological Foundation	1 year (2000)	Research into proximal tubule cell mitogenesis may lead to new therapeutic options in the treatment of renal cell carcinoma	Nicol	\$20,000

Publications

1. Nicol D (2000) Issues in the diagnosis of renal cell carcinoma BJU International 286 (3) : 298 – 303.
2. Nicol D, Watt A, Wood G, Ryley B, Wall D, Miller B (2000) Corpus Cavernosum as an alternative means of intravenous access in the emergency setting. Aust NZ J Surg 70 (7) 511-514.

Publications

(cont'd)

3. Johnson D, Herzig K, Purdie D, Brown A, Rigby R, Nicol D and Hawley C (2000) A comparison of the effects of dialysis and renal transplantation on the survival of older uraemic patients *Transplantation* 69 (5) 794-799.
4. Herzig KA, Falk MC, Jonsson JR, Axelsen RA, Griffin AD, Hawley CM, Rigby RJ, Cobcroft R, Nicol DL, Powell EE and Johnson DW (2000) Novel surveillance and cure of a donor-transmitted lymphoma in a renal allograft recipient. *Transplantation* 70 (1) 149-152.
5. Rae F, Stephenson SA, Nicol DL and Clements JA (2000) Novel association of a diverse range of genes with renal cell carcinoma as identified by differential display *Int J Cancer* 88 726-732.
6. Johnson DW, Herzig KA, Purdie DM, Chang W, Brown AM, Rigby RJ, Campbell SB, Nicol DL and Hawley CM (2000) Is obesity a favourable prognostic factor in peritoneal dialysis patients? *Perit Dial Int* 20 (6): 715-721.

Articles which have been accepted for publication

1. Rae FK, Hooper JD, Nicol DL, Clements JA. Identification and characterisation of a novel gene, *STAG1*, up-regulated in renal cell carcinoma and other solid tumours. *Cancer Res.* Nov 2000.

Abstracts which have been published

1. Reid JR, Hii SI, Douglas ML, Nicol DL and Jonsson JR. Renin-angiotensin system inhibition in renal cell carcinoma. 12th Lorne Cancer Conference, 10-13th February 2000 #808.
2. Douglas ML, Antalis TM, Varol C, Higgins C, Pera MF and Nicol DL. An orthotopic xenograft model of human teratocarcinoma with clinically relevant metastasis. 12th Lorne Cancer Conference, 10-13th February 2000 #804.
3. Scarman AL, Hooper JD, Normyle JF, Nicol D and Antalis TM. Testisin, a new human serine proteinase expressed by permeiotic testicular germ cells and absent in testicular tumours. 12th Lorne Cancer Conference, 10-13th February 2000 #417.
4. Rae F, Stephenson S, Nicol D and Clements J. The identification of eight genes associated with renal cell carcinoma using differential display. 12th Lorne Cancer Conference, 10-13th February 2000 #413
5. Johnson DW, Herzig KA, Purdie D, Chang W, Brown AM, Campbell SB, Nicol DL, Hawley CM. Is obesity is a favourable prognostic factor in peritoneal dialysis (PD) patients? Proceedings of 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, 15th – 17th March 2000, Page 49.

Abstracts which have been published

(cont'd)

6. Johnson DW, Herzig KA, Purdie D, Chang W, Brown AM, Campbell SB, Nicol DL, Hawley CM. Is obesity is a favourable prognostic factor in peritoneal dialysis (PD) patients? *Perit Dial Int* 2000 20(6), 715-21.
7. Cheung C, Douglas ML, Nicol DL, Johnson DW. The role of insulin-like growth factor (IGF)-I and its binding proteins (IGFBP) in renal cell carcinoma (RCC) progression. Proceedings of 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, 15th – 17th March 2000. Page 51.
8. Herzig KA, Juffs HG, Brown AM, Gill D, Hawley CM, Cobcroft R, Petrie JJ, Marlton P, Rigby R, Thomson D, Campbell SB, Isbel N, Nicol DL, Johnson DW. A single centre experience of post-renal transplant lymphoproliferative disorder (PTLD). Proceedings of 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, 15th – 17th March 2000, Page 76.
9. Herzig KA, Falk MC, Jonsson JR, Axelsen RA, Griffin AD, Hawley CM, Rigby RJ, Cobcroft R, Nicol DL, Powell EE, Johnson DW. Novel surveillance and cure of a donor – transmitted lymphoma in a renal allograft recipient. Proceedings of 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, 15th – 17th March 2000, Page 113.
10. Varol C, Douglas M, Higgins K, Pera MF, Antalis TM, Nicol DL. Development and characterization of a xenograft model of human testicular tumour. Proceedings of Urological Society of Australasia Annual Scientific Meeting 19 – 24 March 2000. Page 37.
11. Vivian J, Douglas M, Nicol DL. CD44 and HGF in renal cell carcinoma. Proceedings of Urological Society of Australasia Annual Scientific Meeting 19 – 24 March 2000, Page 37.
12. Douglas ML, Reid JL, Hii SI, Jonsson J, Nicol DL. The effect of thalidomide as a therapeutic agent in human renal cell carcinoma. Proceedings of Urological Society of Australasia Annual Scientific Meeting 19 – 24 March 2000. Page 46.
13. Rae F, Stephenson SA, Nicol DL, Clements J. Identification of 8 new genes associated with renal cell carcinoma. Proceedings of Urological Society of Australasia Annual Scientific Meeting 19 – 24 March 2000. Page 48.
14. Boucaut KJ, Nicol DL, Hooper JD, Douglas M, Fitzpatrick DR, Pera MF, Antalis TM. Regulation of the novel serine proteinase testisin in testicular cancer. Proceedings of Urological Society of Australasia Annual Scientific Meeting 19 – 24 March 2000. Page 54.

Abstracts which have been published

(cont'd)

15. Cheung C, Douglas M, Nicol DL, Johnson DW. Insulin-like growth factor (IGF)-I and its binding proteins (IGFBP) in renal cell carcinoma (RCC). Proceedings of Urological Society of Australasia Annual Scientific Meeting 19 – 24 March 2000. Page 54.
16. Reid J, Hii SI, Douglas M, Nicol DL, Jonsson J. Angiotensin converting enzyme inhibition in renal cell carcinoma. Proceedings of Urological Society of Australasia Annual Scientific Meeting 19 – 24 March 2000. Page 55.
17. Gardiner RA, Green H, Yaxley J, Nicol D, Pakenham K, Mactaggart P and Watson R. Cognition and hormonal manipulation in prostate cancer. British Journal of Urology International (2000) 86, Suppl. 3, 218.
18. Varol C, Douglas M, Higgins K, Pera MF, Antali STM and Nicol DL. Development and characterization of a xenograft model of human testicular tumour. 25th SIU World Congress, Singapore. British Journal of Urology International (2000) 86, Suppl. 3, 224.
19. Nicol DL, Douglas ML, Reid JL, Hii SI and Jonsson J. The effect of thalidomide as a therapeutic agent in human renal cell carcinoma. British Journal of Urology International (2000) 86, Suppl. 3, 281.
20. Nicol DL. Partial nephrectomy in the solitary kidney. British Journal of Urology International (2000) 86, Suppl. 3, 43.

Lectures and Presentations

Dr David Nicol

25th SIU WORLD CONGRESS, SINGAPORE 2000. Nicol DL. Partial nephrectomy in the solitary kidney.

25th SIU WORLD CONGRESS, SINGAPORE 2000. Nicol DL. , Douglas ML, Reid JL, Hii SI and Jonsson J. The effects of thalidomide as a therapeutic agent in human renal cell carcinoma.

36th ANNUAL SCIENTIFIC MEETING OF THE AUSTRALIAN AND NEW ZEALAND SOCIETY OF NEPHROLOGY 15TH – 17TH MARCH 2000, Melbourne Victoria, Australia. Invited Presentations : Carcinoma of the prostate 17th March 2000.

Postgraduate Students

Ms Janet L Reid - PhD (University of Queensland)
Ms Su Ing Hii - PhD (University of Queensland)

Awards to Staff Members

Dr David Nicol

British Association of Urological Surgeons Prize

University of Queensland Department of Surgery

UQ SURGERY – Aortic Valve Research Group

Staff

Dr Marjorie Green
M/s Cheryl Filippich (to 30/04/01)
M/s Simone Becker (to 31/12/00)

In Collaboration with :-

Dr Patrick Hogan (Director, Department of Immunology)
Dr Mark O'Brien (Senior Cardiac Surgeon and Director of the Queensland Heart Valve Bank, Prince Charles Hospital)
M/s Lisa Sparks (Senior Scientist, Queensland Heart Valve Bank)

Current Research Activities

Clinical Trials

Testing of the Synergraft pig aortic heart valve

This type of fresh pig heart valve is considered to be acellular by the manufacturer rendering it less immunogenic and therefore leading to less structural damage over time. A group of patients at The Prince Charles Hospital have had a synergraft valve implanted. Our research team have been following the patient's immunological response to the valve. The first patients were implanted in August 1999 and are just coming up to their two-year follow-up. These patients are being compared to patients who had conventional pig heart valves implanted, those had human valves implanted and those who had mechanical valves implanted.

The laboratory follow up is performed at the Princess Alexandra Hospital in the University of Queensland Department of Surgery and the Department of Immunology. Clinical follow-up is performed at the Prince Charles Hospital, Cardiac Surgery Department.

Other Research

Research into the causes of structural damage to allografted aortic heart valves using a rat model.

There are two schools of thought regarding what causes structural damage to implanted aortic heart valves, which can work successfully for 15 – 20 years but then fail. The first school think that this damage occurs through an early immune response, which is slow to become clinically apparent, the second are inclined to believe that the immune response is irrelevant and the damage is caused by stress and trauma. There is no doubt that both immune and mechanical events take place. Our research is focussing on investigating which events are important. This work is being undertaken using a rat model.

Funding

1. **The Synergraft Trial - \$17,776 (Cryolife)**
2. **The study of structural deterioration of allografted aortic valves in the rat.**
 - The Prince Charles Hospital Foundation - \$43,417
 - The Institute for Cardiovascular Research - \$36,607
 - The PAH Research & Development Foundation - \$8,000.

Publications

O'Brien MF, Harrocks S, Sparks L, Green MK (2000) Refinement of the allografted heart valve after three decades. Proceedings of the Second International Symposium of the Onassis Cardiac Surgery Center.

Lectures and Presentations

1. Strutton G, Hogan P, Green M, Vanelli-Rees A, Horn M, Fielding N, O'Brien M (2000) Surface antigens on dendritic cells in human aortic valves. VIII International Symposium – Cardiac Bioprotheses, November 2000, Cancun, Mexico.
2. Green M, Dare A, Nguyen B-A, Filippich C, Hogan P, Fielding N, O'Brien M (2000) Aortic valve allograft outcome after immune suppression in rats. VIII International Symposium – Cardiac Bioprotheses, November 2000, Cancun, Mexico
3. Green M, Filippich C, Hogan P, Sparks L, O'Brien MF (2000) Cryolife- Synergrafts. Cryolife Meeting at VIII International Symposium – Cardiac Bioprotheses, November 2000, Cancun, Mexico *
4. Green MK, Filippich C, Becker S, Dare A, Hogan PG, O'Brien MF (2000) The effect of immunosuppression on aortic valve allografts in the rat. Australasian Society for Immunology, Sydney NSW, December 2000.
5. Green M, Filippich C, Becker S, Dare A, Robertson T, Hogan P, O'Brien M (2001) The allo-immune response in aortic valve allografts. The Transplantation Society of Australia and New Zealand, Canberra, April 2001.
6. Green M, Filippich C, Becker S, Dare A, Robertson T, Hogan P, O'Brien M (2001) Aortic valve allografts and the immune response. 2nd Annual Scientific and Business Meeting of the Australasian Tissue Banking Forum, ANU, Canberra, April 2001*
7. Green M, Filippich C, Becker S, Dare A, Robertson T, Hogan P, O'Brien M (2001) Rat aortic valve allograft histology and graft specific immune responses in immune suppressed recipients. First Biennial Meeting of The Society for Heart Valve Disease, London, UK, June 2001.
8. Green M, Filippich C, Becker S, Dare A, Robertson T, Hogan PG, O'Brien MF (2001) Sequential changes in rat aortic valve allograft cell populations after Implantation. First Biennial Meeting of The Society for Heart Valve Disease, London. UK, June 2001.

UQ SURGERY – Upper GI Unit

STAFF

Assoc Prof BM Smithers

Prof DC Gotley

S Jones

I Martin

Collaboration

Bryan Burmeister QRI

Jennifer Harvey QRI

Euan Walpole PAH Medical Oncology

Damien Thomson PAH Medical Oncology

Current Research Activities

- **Phase III randomised trial of surgery versus preoperative chemoradiation for operable oesophageal carcinoma.**
BMS – co chief investigator Previous NH&MRC funding which finished 1999.
- **Randomised phase II study of preop chemo versus preopchemoradiation for operable oesophageal carcinoma**
No specific funding. Data manager/Research nurse via QRI.
- **Quality of life assessment following intervention for Oesophageal Cancer**
Funding of Data Manager/ Research nurse via DCG and BMS private practice.

Funding

NHMRC	M Smithers	\$75,000
	M Smithers	\$60,000

Publications

Bessell JR, Finch R, **Gotley DC, Smithers BM**, Nathanson L, Menzies B (2000) Chronic dysphagia following laparoscopic fundoplication. *Brit. J. Surg.* 87 1341-1345

Burmeister BH, Dickie G, **Smithers BM**, Hodge R, Morton K (2000) Thirty-four patients with carcinoma of the cervical esophagus treated with chemoradiation therapy. *Arch. Otolaryngol. Head Neck Surg.* 126 205-208.

Published Abstracts

J.R.Bessell, R.Finch, **D.C.Gotley**, **B.M.Smithers**, L.Nathanson, L.Doyle, B.Menzies (2000) Chronic dysphagia following laparoscopic fundoplication Brit J Surg 87 (Suppl 1) 32.

Gotley DC, Smithers BM, Martin I, Sanders G, Doyle LM (2000) Barrett's oesophagus: natural history and surveillance Aust NZ J Surg 70(supp) A89

Gotley DC, Smithers BM, Martin I, Bessell J, Doyle LM (2000) Laparoscopic versus open surgery for oesophageal cancer. Aust NZ J Surg 70(supp) A93

Smithers BM, Gotley DC, Doyle LM.(2000) Oesophageal cancer: Neoadjuvant therapy. Aust NZ J Surg 70(supp) A93

Lectures and Presentations

"Where to now with adjuvant therapy in oesophageal cancer?"

Smithers BM, Burmeister B

Annual Scientific Meeting, Clinical Oncological Society of Australia, Adelaide, Australia

"Elective laparoscopic fundoplication for reflux: 1000 cases with 1-5 year follow-up"

Gotley DC, Smithers BM, Martin I, Bessell J, Doyle L, Menzies B, Nathanson L.

"Endoscopic versus open surgery for oesophageal cancer."

Gotley DC, Smithers BM, Martin I, Bessell J, Doyle L.

7th World Congress of Endoscopic Surgery, 8th International Scientific Meeting of the Endoscopic and Laparoscopic Surgeons of Asia. Singapore

*"The new surgical training"

"Endoscopic surgery and the oesophagus – techniques and results"

"Update on the management of Melanoma"

Keynote Speaker, Northern Australian Surgeon's Club – Annual Scientific Meeting Port Douglas, Queensland

Lectures and Presentations (cont'd)

- * "Barrett's oesophagus natural history and surveillance."
Gotley DC, Smithers BM, Martin I, Sanders G, Doyle LM
- * "Laparoscopic versus open surgery for oesophageal cancer."
Gotley DC, Smithers BM, Martin I, Bessell J, Doyle LM.
- * "Oesophageal cancer: Neoadjuvant therapy."
Smithers BM, Gotley DC, Doyle LM.
**Annual Scientific Congress, Royal Australasian College of Surgeons,
Melbourne, Australia**
- * Panel Participation: Case Symposium- "Management of Oesophageal Cancer"
BM Smithers
**GE Society of Queensland, 4th Annual Coolum Update in Gastroenterology
and Hepatology, Sunshine Coast, Queensland, Australia.**

Posters

Organisation International d'Etudes Statistiques pour maladies de Oesophage (OESO) World 6th Congress, Paris, France:-

- Comparison of quality of life after laparoscopic fundoplication: Do Barrett's patients fare worse (DC Gotley, BM Smithers, LE Nathanson, I Martin, L Rutherford, L Doyle, B Menzies)
- The natural history of high grade dysplasia in Barrett's oesophagus. (BM Smithers, DC Gotley, G Sanders, LM Doyle)
- Outcomes after minimally invasive surgery for high grade dysplasia in Barrett's oesophagus: short term follow up of Quality of life. (LM Doyle, BM Smithers, DC Gotley, L Rutherford, C Swanson).

Public Service Relevant to Research

DC Gotley

- President, Surgical Research Society of Australia and New Zealand
- NH&MRC Review Panel
- Australia and New Zealand Journal of Surgery – Editorial Board
- British Journal of Surgery – Editorial Board

Public Service Relevant to Research

BM Smithers

- Clinical Oncological Society Of Australia
- Chairman, Surgical Oncology Group, 1997 – 2000
- Member of National Council, 1997 – 2000
- R.A.C.S. Chairman, Regional Subcommittee in General Surgery
- Member, National Board of General Surgery Scientific
- Queensland Institute of Medical Research, Member of Governing Council
- Australasian Gastrointestinal Trials Group, Member, Management and Scientific advisory committee

Staff

Senior Staff

Dr Elizabeth Powell	Gastroenterologist and Director of Clinical Training, PAH
Dr Julie Jonsson	Senior Research Fellow, Department of Surgery, PAH
Dr Andrew Clouston	Pathologist and Senior Lecturer, PAH
Dr David Purdie	Biostatistician, Population and Clinical Sciences Division, the Queensland Institute of Medical Research

Research Staff

Dr Yuichi Ando
Ms Livia Kelemen
Ms Ingrid Hickman PhD
Mr Peter Gochee PhD
Ms Janet Reid PhD

Current Research Activities

1. Clinical trials

- a) The role of weight reduction and nutrition in fatty liver disease associated with chronic hepatitis C
- b) The effect of renin angiotensin system blockade on the progression of hepatic fibrosis

2. Other research

- a) The influence of host genetic factors on disease progression in chronic hepatitis C
- b) Investigation of the relationship between steatosis and fibrosis in chronic liver disease
- c) Investigation of the mechanisms contributing to human liver allograft acceptance
- d) The role of the renin angiotensin system in hepatic fibrosis

Funding

- **Powell, Jonsson, Hickman, Prins, Clouston, Hay**
Investigation of the relationship between steatosis, lipid peroxidation and fibrosis in chronic hepatitis C
PAH R&D Foundation, 2000, \$8000
- **Jonsson, Powell, Hogan, Lynch**
Investigation of Natural Killer cell Function and donor leucocyte chimerism following liver transplantation.
PAH R&D Foundation, 2000, \$8000
- **Powell, Jonsson, Fawcett**
Cytokine genotypes and withdrawal of immunosuppression after liver transplantation.
Royal Children's Hospital Foundation, 2000, \$15,000
- **Jonsson, Clouston, Powell, Fawcett**
Fibrosis after liver transplantation-the role of the renin angiotensin system.
Royal Children's Hospital Foundation, 2001, \$30,000

Publications

Publications which have appeared in 2000

1. Powell EE, Edwards-Smith CJ, Hay JL, Clouston AD, Crawford DH, Shorthouse C, Purdie DM, Jonsson JR Host genetic factors influence disease progression in chronic hepatitis C (2000) Rapid Communication HEPATOLOGY 31(4) 828-833
2. Nakazawa Y, Jonsson JR, Walker NI, Kerlin P, Steadman C, Lynch SV, Strong RW, Clouston AD Fibrous obliterative lesions of veins contribute to progressive fibrosis in chronic liver allograft rejection (2000) HEPATOLOGY 32(6) 1240-1247
3. Fanning PA, Jonsson JR, Clouston AD, Edwards-Smith C, Balderson GA, Macdonald GA, Crawford DHG, Kerlin P, Powell LW, Powell EE Detection of male DNA in the liver of female patients with primary biliary cirrhosis (2000) J HEPATOL 33(5) 690-695
4. Jonsson JR, Edwards-Smith CJ, Catania SC, Morotomi Y, Hogan PG, Clouston AD, Bansal AS, Lynch SV, Strong RW, Powell EE Expression of cytokines and factors modulating apoptosis by human sinusoidal leucocytes (2000) J HEPATOL 32(3) 392-398
5. Herzig KA, Falk MC, Jonsson JR, Axelsen RA, Griffin AD, Hawley CM, Rigby RJ, Cobcroft R, Nicol DL, Powell EE, Johnson DW Novel surveillance and cure of a donor-transmitted lymphoma in a renal allograft recipient (2000) TRANSPLANTATION 70 1 149-152

Publications which have appeared in 2000

(Cont'd)

6. Nakazawa Y, Walker NI, Kerlin P, Steadman C, Lynch SV, Strong RW, Clouston AD. Clinicopathological analysis of liver allograft biopsies with late centrilobular necrosis: a comparative study in 54 patients. (2000) *TRANSPLANTATION* 69, 1599-1608
7. An International Panel. Update of the international Banff schema for liver allograft rejection. Working recommendations for the histopathological staging and reporting of chronic rejection. (2000) *HEPATOLOGY* 31, 792-799
8. Clouston AD, Clouston DR, Jass JR. Adenocarcinoma of colon differentiating as dome epithelium of gut-associated lymphoid tissue. (2000) Letter. *HISTOPATHOLOGY*, 37, 567

Articles which have been accepted for publication

1. Jonsson JR, Hong C, Purdie DM, Hawley C, Isbel N, Butler M, Balderson GA, Clouston D, Pandeya N, Stuart K, Edwards-Smith C, Crawford DH, Fawcett J, Powell EE. Role of cytokine gene polymorphisms in acute rejection and renal impairment after liver transplantation (2001) *LIVER TRANSPLANTATION*, 7(3) 255-263
2. Clouston AD, Jonsson JR, Purdie DM, Macdonald GA, Pandeya N, Shorthouse C, Powell EE. Steatosis and chronic hepatitis C: analysis of fibrosis and stellate cell activation (2001) *J HEPATOL* 2001, Vol 34, Iss 2, pp 314-320
3. Jonsson JR, Clouston AD, Ando Y, Kelemen LI, Horn MJ, Adamson MD, Purdie DM, Powell EE. Angiotensin-converting enzyme inhibition attenuates the progression of rat hepatic fibrosis. (2001) *Gastroenterology* *in press* July
4. Clouston AD. Premalignant lesions associated with adenocarcinoma of the upper gastrointestinal tract. Review. *Pathology*, 2001. (In press.)

Abstracts which have been published

1. Jonsson JR, Ando Y, Keleman L, Clouston AD, Powell EE. Angiotensin converting enzyme inhibition attenuates the development of hepatic fibrosis in the rat bile duct ligation model. (2000) *HEPATOLOGY*, 32(4) 116
2. Hong C, Powell EE, Balderson GA, Clouston AD, Purdie DM, Pandeya N, Edwards-Smith CJ, Stuart KA, Crawford DH, Fawcett J, Lynch SV, Jonsson JR. The role of cytokine gene polymorphisms in acute rejection after liver transplantation. (2000) *HEPATOLOGY* 32(4) 322

Abstracts which have been published

(Cont'd)

3. Jonsson JR, Hong C, Isbel N, Hawley C, Butler M, Purdie DM, Pandeva N, Balderson GA, Clouston AD, Edwards-Smith CJ, Lynch SV, Powell EE The role of cytokine gene polymorphisms in renal impairment after liver transplantation. (2000) HEPATOLOGY 32(4) 370
4. Hickman I, Clouston AD, Macdonald G, Shorthouse C, Mori T, Prins J, Purdie DM, Jonsson JR, Powell EE . Weight reduction in patients with chronic hepatitis improves liver histology and biochemistry. (2000) HEPATOLOGY 32(4) 593
5. Clouston AD, Jonsson JR, Purdie DM, Macdonald G, Pandeya N, Shorthouse C, Powell EE Steatosis and chronic hepatitis C: Analysis of fibrosis and stellate cell activation. (2000) HEPATOLOGY 32(4) 1380

Lectures and Presentations

Dr Elizabeth Powell

AASLD Conference, Oral Presentation, Dallas, USA, October 2000.

"Weight reduction improves liver histology and biochemistry in patients with chronic hepatitis C."

*Asia Pacific Digestive Week September 2001

"Clinical aspects of non-alcoholic steatohepatitis"

*Annual Scientific Meeting of the Australasian and South East Asian Tissue Typing Association November 2001

"Laboratory and clinical aspects of Chimerism"

*European Association for the Study of Liver Diseases-International Association for the Study of Liver Diseases Postgraduate Course, Madrid, April 2002

Dr Andrew Clouston

*IAP Annual Scientific Meeting (Liver special interest session). Sydney, June 2000. "Hepatitis C progression – role of host factors. "

*IAP Annual Scientific Meeting (Liver special interest session). Sydney, June 2000. "Liver disease due to herbal remedies. "

*Australian Gastrointestinal Trials Group Annual Scientific Meeting. Coolum. August 2000

"Preoperative radiotherapy for rectal cancer – pathological aspects. "

*International Academy of Pathology World Congress. Nagoya, Japan. October 2000.

"Assessment of the donor biopsy and use of special stains in transplant pathology"

Lectures and Presentations

Dr Andrew Clouston

(Cont'd)

*Shinshu University, Matsumoto Japan. October 2000
"Recent advances in liver transplant pathology"

*Kyoto University. Japan. October 2000
"Donor liver biopsy pathology"

*Malaysian Gastroenterological Society. Kota Kinabalu, Sabah. April 2001
"Update symposium on GIT Pathology. (Lectures and slide seminar)"

*Banff Consensus Conference on Allograft Pathology. Banff, Canada. April 2001. "Hepatitis C progression – host factors."

*IAP Annual Scientific Meeting (Liver special interest session). Sydney, June 2001.
"Pathology of chronic viral hepatitis."

*IAP Annual Scientific Meeting (Liver special interest session). Sydney, June 2001. "Drug-induced liver disease."

*Surgical Oncology. Brisbane August 2001
"Advances in colorectal cancer pathology"

*University of Queensland, Department of Surgery research lecture series.
Brisbane March 2001
"Pathology of inflammation"

Dr Julie Jonsson

Gastroenterological Society of Australia Annual Scientific Meeting, October 2000. Oral presentation
"Angiotensin converting enzyme inhibition attenuates the development of hepatic fibrosis in the rat bile duct ligation model"

Gastroenterological Society of Australia Annual Scientific Meeting, October 2000. Oral presentation
"The role of cytokine gene polymorphisms in rejection after liver transplantation"

Postgraduate Students

- Janet Reid, PhD
- Ingrid Hickman, PhD
- Peter Gochee, PhD

Awards to Staff Members

Dr Elizabeth Powell

Investigation of the relationship between steatosis and fibrosis in chronic liver disease
NHMRC Practitioner Fellowship 2001-2005 \$50 000/yr

Dr Julie Jonsson

The role of the renin angiotensin system in hepatic fibrosis
GESA Research Fellowship 2001-2003 \$69,000 /yr

Public Service Relevant to Research

Dr Andrew Clouston

- International Academy of Pathology (Australasian Division) Queensland Councillor.
- Discipline Supervisor, Pathology, Southern Clinical School.
- Assessment Working Group, Year 2
- Teaching and Learning Committee, Dept of Pathology.
- Journal reviewer *Hepatology, Journal of Gastroenterology and Hepatology, Pathology*.
- Assessor -- NHMRC project grants.

Dr Elizabeth Powell

- Hepatitis C virus projections working group (national representative of the Australian Liver Association)
- Queensland Hepatitis C Advisory Committee
- Journal reviewer *Hepatology, Journal of Hepatology*
- Assessor -- NHMRC project grants

Dr Julie Jonsson

- Journal reviewer *Gastroenterology, Journal of Hepatology*
- Assessor -- NHMRC project and programme grants

UQ SURGERY - Surgical Oncology Laboratories

Staff

Prof David Gotley
Assoc Prof Mark Smithers
Assoc Prof Jonathon Fawcett
Dr Trina Yeadon
Mrs Shirley Callaghan

Ms Elida Szilagyi
Ms Jenny Reeder
Dr Andrew Barbour
Ms Betty Menzies
Ms Lisa Gotley

Current Research Activities

1. **The role of CD44 splice variants in tumour metastasis.**

Researchers: David Gotley, Jonathon Fawcett, Jennifer Reeder, Domenika Turkewicz and Andrew Barbour.

This study focuses on the mechanisms by which CD44, a cell surface receptor for the hyaluronan, facilitates metastasis of a broad range of epithelial tumours. It builds on our previous work which demonstrated that inhibition of expression of certain domains of the CD44 molecule, called v3 and v6, could abrogate metastasis in an animal model. Our recent work shows the importance of a domain in CD44v3 which binds heparin binding growth factors and sequesters them for presentation to definitive receptors, providing a growth advantage for the metastasizing cell. We have shown that this function is dependent on intact v6 and cytoplasmic domains. Current work involves exploring ways of inhibiting metastatic growth by modulating CD44 *in vivo*.

Funding: \$68,000 per year for 5 years from NHMRC, 1998-2002 inclusive. RACS \$42,000 for 2000; ARC \$18,000 for 2000. PAH Foundation \$8,000 for 2000 for Andrew Barbour.

2. **Mechanisms of tumour-host stromal cell interaction.**

Researchers: David Gotley, Jonathon Fawcett, Trina Yeadon, Darrell Crawford and David Lockwood.

Tissue stroma, once thought to be a passive bystander during tumour invasion, is now thought to be a vital determinant of successful tumour growth. We have used hepatocellular cancer (HCC) as a model of tumour-host stromal interaction, since about 50% of these tumours stimulate the development of a dense fibrous tumour capsule, produced by local host myofibroblasts. Encapsulation appears to limit invasion and confers a better prognosis on patients with HCC. By studying the mechanisms of development of the capsule, in particular interactions between tumour cells and myofibroblasts, a better understanding of tumour-host interactions generally may be achieved. Modulation of these interactions is possible in our model of HCC encapsulation, which can enhance the response of the host organ to tumour invasion.

Funding: NHMRC \$59,000 FACS \$42,000 PAH Foundation \$5,000.

Current Research Activities (cont'd)

3. The Princess Alexandra Hospital Tumour Bank Project

To enable ready access to tumour DNA, RNA and proteins for researchers in oncology, the Tumour Bank Project was established in 1991. Specimens of tumour are obtained from resected cancers from consenting patients and stored in such a way to facilitate modern molecular research techniques into the causation of cancer. The Tumour Bank has accrued specimens from over 2600 patients representing 52 different tumour types and has played a vital role in the cloning of 4 novel genes and in dissecting the mechanisms of tumourgenesis and metastasis in a variety of important tumours.

Funding: PAH, PAH Foundation, Alchemia, Royal Australasian College of Surgeons and the Trivett Foundation.

4. Epidemiology of Oesophageal Cancer – risk, prognosis and molecular markers.

Researchers: David Whiteman, David Gotley, Mark Smithers, Helen Longbottom, Penelope Webb and Adele Green.

This wide ranging epidemiological study is a collaboration between QIMR and PA Hospital. The aim is to prospectively collect data on patients with oesophageal cancer (adenocarcinoma/squamous cell carcinoma) in a case control study to determine risk factors associated with this disease. These will be correlated with molecular changes in the tumour cells.

Funding: Queensland Cancer Fund.

Publications

Gotley DC. (2000) Grantsmanship – achieving success in research funding. Aust & NZ J Surg. 70 (4) 297-301.

Bessell JR, Finch R, Gotley DC, Smithers BM, Nathanson L, Menzies B (2000) Chronic dysphagia following laparoscopic fundoplication. Br J Surg 87 (10) 1341-5.

Smithers BM, Gotley DC, Doyle L, McEwan D. (2001) Thoracoscopic mobilisation of the esophagus. A 6 year experience. Surg Endosc 15 (2) 176-82.

Bessell JR, Adair WD, Smithers BM, Martin I, Menzies B, Gotley DC. Dysphagia requiring early reoperation following laparoscopic fundoplication. Br J Surg (*In press*).

Book Chapters

Gotley DC, The Pathology of Gastroesophageal Reflux Problems in General Surgery. Ed: J Hunter Lippincott-Raven *In Press*

Gotley DC, Gastric Cancer, A Comprehensive Guide Ed: D Morris *In Press*

Gotley DC, Oesophagus In: Scott: An aid to clinical surgery RCN Williamson & BP Waxman (Eds) 6th edition Churchill Livingstone. *In press*

Gotley DC, Perforations of the upper gastrointestinal tract In: A Companion to Specialist Surgical Practice, 2nd edition. O James Garden & Simon Paterson-Brown (Eds) *In Press*

Lectures and Presentations

Foundation Visitor for the Royal Australasian College of Surgeons, Melbourne, May 2000.

Foundation Lecture 2000: "The biology of liver metastasis: Implications for future therapy"

"Minimally invasive versus open techniques of oesophagectomy"

"The natural history of Barrett's oesophagus"

"The history of oesophagectomy"

The International College of Surgeons XXXII World Congress October 2000:

Plenary Lecture: "Laparoscopic fundoplication for gastro-oesophageal reflux"

"Thoracoscopic-assisted 3-stage oesophagectomy for reflux"

Postgraduate Students

Current:

- Su Ing Hii PhD student 1997- "Studies on the role of VEGF in Renal Cell Cancer"
- Andrew Barbour PhD student 1998- "The functional role of CD44 splice variants in colorectal cancer metastasis"
- David Lockwood PhD student 1999- "Modulatory effects of extracellular matrix on HCC-hepatic stellate cell interactions"

Awards to Staff Members

Awards/ Fellowships:

Prof David Gotley

Surgical Research/ Hepatobiliary/UGI Foundation Lecturer, Royal Australasian College of Surgeons 2000.

Research Appointments:

Prof David Gotley

President - Surgical Research Society of Australasia
Executive Committee Research Institute of GESA 1996-
Research Advisory Committee, Royal Australasian College of Surgeons
Professor of Surgical Research, University of Queensland, 1998-.

Journals:

Prof David Gotley

Editorial Board British Journal of Surgery
Reviewer: Aust NZ J Surgery, GUT, Scand J Gastroenterology, British Journal of Surgery, Surgery.

Public Service Relevant to Research

Prof David Gotley

- i) Executive Committee of the Surgical Research Society of Australasia (Current President).
- ii) Research Ethics Committee of the Princess Alexandra Hospital
- iii) Division of General Surgery, PA Hospital
- iv) Research Institute Committee of the Gastroenterological Society of Australia
- v) Executive Committee of the Section of Upper Gastrointestinal Surgery of the RACS
- vi) Executive Committee of the Section of Surgery, GE Society of Australia (Current Chairman)
- vii) Research Committee, Southern Clinical School
- viii) Research Committee, Princess Alexandra Hospital
- ix) Discipline Panel, NHMRC

UQ DEPARTMENT OF OPHTHALMOLOGY

Staff

Professor Lawrence Hirst
Christudas Morais

Department Head
Senior Research Assistant

Publications

1. McCoombes J, Hirst L, Green W (2000). Use of topical cyclosporin for conjunctival manifestations of Actinic Prurigo. *Amer J Ophthalmol* 130:830-831.
2. Pane AR, Hirst LW (2000) Ultraviolet light exposure as a risk factor for ocular melanoma in Queensland, Australia. *Ophthalmic Epidemiology*, 7(3):159-167.

Lectures and Presentations

1. Herpes Keratitis Lecture (Continuing Medical Education), QUT, May 2000.
2. Opening Address, Australian Ophthalmic Nurses Association, July 2000.
3. Melbourne Optometrists Conference, 7th July 2000.

Postgraduate Students

Glenda Nolan PhD Student

Division of Medicine

MEDICINE – Alcohol & Drug Assessment Unit

Staff

(4.7 Full-Time equivalents – FTE)

Director	Dr Gerald FX Feeney	(0.6 FTE)
Clinical Nurse Consultant	Ms Annie Mc Pherson	(1.0 FTE)
Social Worker	Ms Jane Tucker	(1.0 FTE)
Senior Clinical Psychologist	Dr Ross McD Young	(0.2 FTE)
Clinical Psychologists	Ms Dixie Statham	(0.15 FTE)
	Dr Brona O Dowd	(0.2 FTE)
	Ms Janine Lonsdale	(0.1 FTE)
Administrative Officer	Ms Carolyn Van Dyk	(1.0 FTE)

Current Research Activities

Clinical Trials

1. The application of anticraving agents (Naltrexone/ Acamprosate) to Cognitive and Behavioural programs in alcohol dependence.
2. Factor Identification Predictive of Favourable Treatment Outcomes in the Treatment of alcohol dependence.
3. Clinical/Psychometric Measures Pre and 12 months Post Liver Transplantation for Alcoholic Liver Disease.
4. Profile development of Cannabis users and predictors of severity of dependence and social functioning.
5. Development of a Psychometric Instrument measuring cannabis expectancy cognitions.

Other Research

The Role of Neurotransmitter Receptor Genes (A1 Allele of the D2 Dopamine Receptor, GABAA β 3 Subunit) in the development of Alcohol and other Substance Misuse.

Funding

National Drug Strategy (NDS) and Queensland Health funding for service delivery only. We receive no additional funds.

Publications

1. Young R.McD., Swartz M, Perkins B, Green A. (2000) Building on general practice expertise in Smoking Cessation. *Current Therapeutics* 41, 63-67
2. Young R McD, Oei TP. (2000). The predictive utility of drinking refusal self-efficacy and alcohol expectancy: A diary based study of tension reduction. *Addictive Behaviours* 415-421
3. Connor JP, Young RMcD, Williams RJ, Ricciadelli LA. (2000) Drinking Restraint vs Alcohol Expectancies: Which is a better indicator of alcohol problems. *Journal of Studies on Alcohol* 61,352-359

Articles which have been accepted for publication

1. Feeney GFX, Connor JP, Young R McD, Tucker J, Czajkowski F. Adherence with Naltrexone prescription advice in hospital outpatient alcohol rehabilitation program. *Journal of Clinical Pharmacy and Therapeutics*, In Press.
2. Young R McD Young, Feeney GFX. Why Do People Use Drugs in Hulse G, White J, Cape G (Eds) *Alcohol and Drug Issues in Medical Practice*. Oxford University Press: Melbourne

Postgraduate Students

Masters of Clinical Psychology (Health Psychology) students rotate through ADAU with some clinical attachments

Public Service Relevant to Research

Dr Ross McD Young is a member of the Queensland Cancer Fund, Early Detection and Prevention Committee

MEDICINE – Brain Injury Rehabilitation Unit

Staff

Dr Ron Hazleton	Director
Dr David Douglas	Registrar

Current Research Activities

Clinical Trials

1. The efficacy of a community based physical activity intervention in improving the health of people with acquired brain injury.

Investigators:	Ron Hazelton, Wendy Brown, Sean Tweedy, Pim Kuipers.
Funding:	PAH Research & Development Foundation \$23,000.

2. Neurontin (Gabapentum) in the management of Spasticity.

Investigators:	Kathryn Pugh, Maryann Schubert, Ron Hazelton.
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Publications

Articles accepted for publication

Hofmeister B, Hickson L, Towers E, Brown-Rothwell D, Hazelton R, MacIvor C, 2001. Audiological Outcomes of Severe Traumatic Brain Injury with Base of Skull Fracture, and the Role of Otoacoustic Emissions. Australian J. Audiology. In Press.

MEDICINE – Clinical Immunology & Allergy Department

Unit Department of Clinical Immunology and Allergy and Division of Immunology QHPS.

Staff Dr Patrick Hogan (Director)
Dr Richard Wong (Staff Clinical immunologist)

Current Research Activities

The department has interests in the diagnosis of autoimmune disease, the detection of anti-human leucocyte antigen (HLA) antibodies in transplant recipients and collaborates with the Queensland Heart Valve Bank (Director: Dr Mark O'Brien) in investigating the immune response to human cryopreserved aortic valve allografts.

Funding Measuring anti-HLA antibodies post-transplant. PAH Foundation 2000/1 \$10,000.

Publications

Jonsson JR, Edwards-Smith CJ, Catania SC, Morotomi Y, **Hogan PG**, Clouston AD, Bansal AS, Lynch SV, Strong RW, Powell EE. Expression of cytokines and factors modulating apoptosis by human sinusoidal leucocytes. *J Hepatol* 2000;3:392-8.

Dignan R, O'Brien, M, **Hogan P**, Stephens F, Thornton A, Harrocks S et al. Influence of HLA matching and associated factors on aortic valve homograft function. *The Journal of Heart Valve Disease* 2000;9:504-11.

Kay TD, **Hogan PG**, McLeod SE, Johnson DW. Severe irreversible proximal renal tubular acidosis and azotaemia secondary to Cidofovir. *Nephron* 2000; 96:348-9.

Hogan PG. The Australian Clinical Immunology and Allergy Training Programme for Physicians and Pathologists. *ACI International* 2000;12:194-7.

RCW Wong, R Wilson, J Neil, S Adelstein, RA Silverstrini, EM Benson, L Powell. M2-AMA do not directly produce ANCA indirect immunofluorescence patterns. *J Clin Pathol* 2000;53:643.

Articles Accepted for Publication in 2000

Dignan R, O'Brien M, **Hogan P**, Stephens F, Thornton A, Fowler K, Harrocks S. Evidence for Aortic Valve Allograft Structural Deterioration Secondary to Immune Response. The Journal of Heart Valve Disease (accepted for publication)

Wong RCW, Field K. MPO-ANCA may produce a combination of P-ANCA and atypical cytoplasmic ANCA indirect immunofluorescent patterns on certain ethanol-fixed neutrophil substrates. J Clin Pathol (in press).

Wong RCW, Wilson R, Silcock R, Kratzing LM, Looke D. An unusual combination of positive IgG autoantibodies in acute Q-fever infection. Int Med J (in press).

Lectures and Presentations

- P Hogan Qld FRACP postgraduate Lecture series "Allergic disorders"
- P Hogan GMC 2 HLA and Transplantation
- R Wong Qld FRACP postgraduate Lecture series "SLE Pathogenesis"
- Wong R, Hendle M, Wilson R, Neil J, Field K, Gregory E, Hobson P

Alternative anti ds-DNA antibody RIA (Farr) kits - a multi-centre evaluation. AIMS Immunology Workshop, Sydney, 26th June 2000.

MEDICINE – Clinical Pharmacology Department

Staff

Director	Dr Peter I Pillans
Registrar	Dr Peter Landsberg
Scientific staff	Mr Paul Taylor, Mr Paul Salm
Research Officers	Miss Charlene Willis, Miss Kim Forrest

Clinical Trials

- a) An open, randomised parallel group, multicentre trial to determine the comparative safety and efficacy profile of Prograf in combination with MMF. MMF will be reduced from 1.5g daily to 1g daily in 30 days compared with 90 days post renal allograft transplant.
- b) A randomised, open-label study of continuous therapy with cyclosporin and sirolimus in solid organ transplant recipients.
- c) An open-label extension study of the safety of long-term administration of sirolimus in solid organ transplant recipients.
- d) Pharmacokinetic analysis of the effect of sirolimus on cyclosporin Neoral blood levels.
- e) A comparative study of the effect & equivalence of sirolimus oral liquid versus tablets, administered concomitantly with cyclosporin and corticosteroids in renal allograft recipients.
- f) Sirolimus plus steroids and cyclosporin vs azathioprine plus steroids plus cyclosporin in the prevention of acute rejection in cardiac transplants.
- g) An open-label study of oral sirolimus in the treatment of refractory solid organ allograft rejection and for prophylaxis in transplant patients at high risk for allograft rejection in whom approved agents are contraindicated, not tolerated, or ineffective.
- h) A placebo controlled, double-blind study of the effect of two dose levels of sirolimus plus standard immunosuppressive therapy in renal allograft recipients.

Other Research

1. National Health & Medical Research Council, Project Grant:- "Population pharmacokinetics, pharmacodynamics and dosage prediction for tacrolimus". Tett, SE, Taylor PH and Lynch SV.

Other Research

(Cont'd)

2. Investigation of the pharmacokinetics of immunosuppressant drugs.
 - (i) Effect of atorvastatin on the pharmacokinetics of cyclosporin and tacrolimus in liver transplant patients.
 - (ii) Analysis of mycophenolic acid and cyclosporin concentrations in acute rejection in renal transplant recipients.
 - (iii) Investigation of 13-demethyl tacrolimus production as a marker of tacrolimus clearance in adult liver transplant patients.
3. Drug utilisation evaluation (DUE). Recent studies have included:
 - Intervention study on the use of proton-pump inhibitors.
 - Evaluation of dosage adjustment in renal impairment.
4. Pharmacovigilance/pharmacoepidemiology. Research related to drug safety / post-marketing surveillance.

Funding

- a) Janssen-Cilag Pty Ltd: \$3,000
- b) - (h) Wyeth Australia Pty Ltd: \$135,335
- i) National Health & Medical Research Council: \$39,012

Publications

Original Peer Reviewed Publications 2000

1. Pillans PI, Kubler PA, Radford JM, Overland V (2000). Concordance between use of proton pump inhibitors and prescribing guidelines. MJA 172 16-18
2. Salm P, Taylor PJ, Pillans PI (2000). The quantification of sirolimus by high-performance liquid chromatography-tandem mass spectrometry and microparticle enzyme immunoassay in renal transplant patients. Clin Ther 22 (suppl B) B71-B85
3. Salm P, Tresillian MJ, Taylor PJ, Pillans PI (2000). Stability of sirolimus (rapamycin) in whole blood. Ther Drug Monit 22 423-426
4. Willis C, Taylor PJ, Salm P, Tett SE, Pillans PI (2000). Quantification of free mycophenolic acid by high-performance liquid chromatography-atmospheric pressure chemical ionisation tandem mass spectrometry. J Chromat B 748 151-156
5. Willis C, Taylor PJ, Salm P, Tett SE, Pillans PI (2000). Evaluation of limited sampling strategies for estimation of 12-hour mycophenolic acid area under the plasma concentration-time curve in adult renal transplant patients. Ther Drug Monit 22 549-554

Publications

Original Peer Reviewed Publications 2000 (Cont'd)

6. Salm P, Rutherford DM, Taylor PJ, Black MJ, Pillans PI (2000). Evaluation of microparticle enzyme immunoassay against HPLC-mass spectrometry for the determination of whole-blood tacrolimus in heart- and lung-transplant recipients. Clin Biochem 33 557–562
7. Taylor PJ, Salm P, Lynch SV, Pillans PI (2000). Simultaneous quantification of tacrolimus and sirolimus in human blood, by high-performance liquid chromatography-tandem mass spectrometry. Ther Drug Monit 22 608-612

Articles which have been accepted for publication

1. Pillans PI, Rigby RJ, Kubler P, Willis C, Salm P, Tett SE, Taylor PJ (2000). A retrospective analysis of mycophenolic acid and cyclosporin concentrations with acute rejection in renal transplant recipients. Clin Biochem

Abstracts which have been published

1. Taylor PJ, Salm P, Pillans PI (2000). A detection scheme for paraquat poisoning: validation and a five-year experience in Australia. Proc of ASCEPT 8 118
2. Salm P, Taylor PJ, Lynch SV, Pillans PI (2000). Quantification of SDZ RAD in human blood by HPLC-tandem mass spectrometry. Proc of ASCEPT 8 119
3. Taylor PJ (2000). HPLC-mass spectrometry: a new analytical tool for therapeutic drug monitoring. Proc of ASCEPT 8 20
4. Taylor PJ, Salm P, Rigby RJ, Pillans PI (2000). Total and free mycophenolic acid pharmacokinetics in adult renal transplant recipients. Proc of the Transplantation Society of Australia and New Zealand 18 57
5. Taylor PJ, Rigby RJ, Willis C, Kubler P, Salm P, Tett SE, Pillans PI (2000). The relationship between mycophenolic acid concentration and clinical outcomes in renal allograft recipients. Proc of the Transplantation Society of Australia and New Zealand 18 27
6. Willis CJ, Taylor PJ, Salm P, Rigby RJ, Tett SE, Pillans PI (2000). Six limited sampling models for the estimation of 12-hour mycophenolic acid AUC. Proc of the Transplantation Society of Australia and New Zealand 18 58

Abstracts which have been published

(Cont'd)

7. Taylor PJ, Salm P, Pillans PI (2000). The quantification of sirolimus by HPLC-tandem mass spectrometry and microparticle enzyme immunoassay in renal transplant recipients. Proc of the Transplantation Society of Australia and New Zealand 18 28
8. Willis C, Beal JL, Taylor PJ, Tett SE (2000). Evaluation of an immunoassay to measure mycophenolic acid. Proc of the Transplantation Society of Australia and New Zealand 18 58

Postgraduate Students

Helen Dodds PhD.

MEDICINE – Dermatology Department

Staff

Director of Dermatology	Dr John Auld
Visiting Medical Officers	Dr Caroline Mercer Dr Greg Siller Dr Robert Sinclair Dr Zoran Gasper Dr Michael Freeman Dr Portia Miller Dr Brian De'Ambrosis
Research Assistant	Dr Roland Nguyen

Current Research Activities

Clinical Trials

1. Melanoma and Dysplastic Naevus Diagnosis by means of electrical impedance measurements of normal and dysplastic skin using the TS2000M.
2. Multi-centre Phase III, double blind study of photodynamic therapy (PDT) with Metvix 160mg/g cream in comparison to PDT with placebo in patients with primary nodular basal cell carcinoma.
3. An open-labelled study to evaluate the safety and long-term clinical efficacy of Imiquimod cream applied once daily, seven days per week for six weeks in the treatment of superficial basal cell carcinoma.

Other Research

Microscopic Study of Freckles and Moles – Dr Roland Nguyen.

Funding

All equipment and disposables used for clinical trials are provided by the external companies involved in the research. The Department of Dermatology has requested these companies donate a sum of money to the Queensland Skin and Cancer Foundation.

Publications

Publications which have appeared in 2000

1. Banney LA, Weedon D, Muri JB (2000) Nuchal fibroma associated with scleredema, diabetes mellitus and organic solvent exposure – Australas J Derm 41 (1) 39-41
2. Banney LA, Wood DJ, Francis GD (2000) Whiplash rove beetle dermatitis in central Queensland – Australas J Derm 41 (3) 162-167
3. Lun KR, Spelman LJ (2000) Signs, Syndromes and Diagnoses – Multiple piloleiomyomas – Australas J Derm 41 (3) 185-186
4. Wells JM, Weedon D, Muir JB (2000) Erythema multiforme: A case with unusual histopathological features Australas J Derm 41 (4) 235-259
5. Azurdia RM, Pagliaro JA, Rhodes LE (2000) Sunscreen application technique in photosensitive patients: a quantitative assessment of the effect of education – Photodermatol Photoimmunol Photomed 16 (2) 53-56

Postgraduate Students

Dr Leith Banney	Awarded FACD
Dr John Pagliaro	Third Year Registrar in Dermatology
Dr Anthony Dicker PhD	Second Year Registrar in Dermatology
Dr Karyn Lun	Second Year Registrar in Dermatology

Public Service Relevant to Research

Dr Greg Siller is a member of the Medical Advisory Panel of Peplin Biotech.

MEDICINE – Diabetes & Endocrinology Department

STAFF

Director & Wellcome Senior Research Fellow	Associate Professor John Prins MBBS, PhD, FRACP
Staff Endocrinologist	Associate Professor Joanne Shaw MBBS, DPhil (Oxon), FRACP
Senior Visiting Endocrinologist Endocrinologist (University of Queensland)	Dr Margaret Williamson MBBS, FRACP Associate Professor Ross Cuneo MBBS, PhD, FRACP
Part-time Endocrinologist	Dr Alpha Yap MBBS, PhD, FRACP
Part-time Endocrinologist	Dr David Torpy MBBS, PhD, FRACP
Part-time Endocrinologist	Dr Winifred Lee MBBS, FRACP
Part-time Endocrinologist	Dr Tricia O'Moore-Sullivan MBBS, FRACP
Part-time Endocrinologist	Dr Anthony Russell
Senior Scientist	Dr Alan Ma PhD
Scientist	Dr John Cardinal PhD
Clinical Trial Co-ordinator	Sr Jane Lidgard RN
Clinical Trial Co-ordinator	Sr Vanessa Campbell RN
Clinical Trial Co-ordinator	Sr Karen Mains RN
Clinical Trial Co-ordinator	Sr Christine Watts RN
Genetics Study Coordinator	Sr Janine Kesting RN
Postdoctoral Scientist	Dr Paul Lovelock PhD
Postdoctoral Scientist	Dr Francis Busfield PhD
Postdoctoral Scientist	Dr Wenda Shurety PhD
Postdoctoral Scientist	Dr Pascal Imbeault PhD
Research Scientist	Ms Louise Hutley BSc
Research Scientist	Ms Felicity Newell BSc Hons
Research Scientist	Ms Barbara Fletcher BSc, MAppSci
Research Scientist	Ms Shelley Walker BSc (Hons)
Research Scientist	Ms Kym Lowry BSc (Hons)
Visiting Research Scholar	Dr Chengxia Guo
Research Administrative Assistant	Ms Janet Rae Berkholz

RESEARCH

Clinical Trials

CL3-21403-001 Mitiglinide

– a month multi centre, multi national randomised double blind study of the effect of Mitiglinide in combination with Metformin compared to Metformin or Mitiglinide given as monotherapy given for the treatment of Type II diabetes followed by a 5-month open label treatment with Mitiglinide/Metformin combination

GLAG (Pioglitazone)

Long-term efficacy and safety of Pioglitazone vs Gliclazide in patients with Type II diabetes.

FOSAMAX

-(70mg once weekly) in patients with osteoporosis

STRONTIUM

Normalisation of Calcium & Vitamin D and the effects of S12911 on the incidence of new vertebral fractures and peripheral fractures in postmenopausal women.

RESEARCH

Clinical Trials

(cont'd)

C.O.R.E.

Continued outcomes relevant to Evista – prevention of invasive breast cancer in post menopausal women with osteoporosis.

REDDY 1

A randomised, multi centred, double blind parallel controlled trial to investigate the safety and efficacy of 5 doses of DRF2593 in OHA and diet treated patients with Type II diabetes.

A open label extension trial in patients with painful peripheral neuropathy.

PREGABALIN – 1008-040

A placebo controlled trial of Pregabalin and Amitriptyline for the treatment of painful diabetic peripheral neuropathy.

ZENARESTAT – 1014-004

A long term double blind placebo controlled parallel group study of Zenarestat (C1-1014) in diabetic patient at risk of foot ulcer.

Other Research

Prins Group

- Regulation of human adipose cell apoptosis
- Regulation of human adipose cell differentiation
- Regulation of insulin sensitivity in human adipose tissues – relationship to obesity and pregnancy (in collaboration with Professor David James, CMCB, University of Queensland)
- Study of PPAR γ activation and its endogenous ligands in human adipose tissue
- Study of TNF and its receptors and cloning of a novel mitochondrial TNF-binding protein (Collaboration with Dr Liz Ledgerwood, Dunedin, NZ)
- Study of the relationship between non-alcoholic hepatic steatosis, obesity and cirrhosis (in collaboration with Dr Graeme Macdonald, Department of Medicine, University of Queensland)

Shaw Group

- Identification of susceptibility genes for type 2 diabetes in pedigrees from populations in our geographic region with a high prevalence of type 2 diabetes, including a large pedigree of admixed Pacific Islander/European descent, and indigenous Australian pedigrees
- Identification of susceptibility genes for Paget's disease of bone in pedigrees with multiple affected members.
- Implementation and evaluation of diabetes education and intervention programs in indigenous Australian communities
- Clinical and genetic analysis of vascular disease in indigenous Australian pedigrees: in collaboration with Professor T. Marwick, University of Queensland

Funding

Prins Group

- Wellcome Trust \$160,000
- NHMRC \$55,000
- Diabetes Australia Research Trust \$15,000
- PAH Research and Development Foundation \$16,000
- Rebecca Cooper Foundation \$15,000

Shaw Group

- Viertel Medical Research Foundation \$87,286
- NHMRC Project Grant \$145,000
- NHMRC Project Grant \$133,350.28
- Diabetes Australia Research Trust \$38,168.80
- PAH Research and Development Foundation \$40,000
- CRC for the discovery of genes for common human diseases \$67,000
- Lions Medical Research Foundation \$25,000
- Arthritis Foundation of Australia \$12,000
- The Paget Foundation \$US 10,000
- Eli Lilly Endocrinology Research Grant \$13,000
- Pfizer CVL Grant \$54,031

Publications

1. Endocytosis of uncleaved tumor necrosis factor- α in macrophages. Shurety W, Pagan JK, **Prins JB**, Stow JL. *Laboratory Investigation* (2001) 81:107-117.
2. IGF-I inhibits apoptosis induced by serum withdrawal, but potentiates TNF α -induced apoptosis, in 3T3-L1 preadipocytes. Niesler CU, Ursø B, **Prins JB**, Siddle K. *Journal of Endocrinology* (2000) 167(1): 165-74.
3. Depot-related and thiazolidinedione-responsive expression of uncoupling protein 2 (UCP2) in human adipocytes. Digby JE, Crowley VEF, Sewter CP, Whitehead JP, **Prins JB**, O'Rahilly S. *International Journal of Obesity* (2000) 24:585-592.
4. Hickman PE, Hourigan LF, Powell LW, Cordingley F, Dimenski G, Ormiston B, **Shaw J**, Ferguson W, Johnson M, Ascough J, McDonnell K, Pink A, Crawford DHG Automated measurement of unsaturated iron binding capacity is an effective screening strategy for C282Y homozygous hemochromatosis *Gut* 46: 405-409, 2000
5. **Shaw JTE**, Kesting JB, Marczak M, Watego D, Purdie D, Hayman N The "Australian Families Against Diabetes" program: epidemiology of type 2 diabetes in an urban indigenous Australian community *Australasian Epidemiologist* 7.2: 21-25, 2000

Publications (Cont'd)

6. Tate JR, Hoffman MM, Lovelock PK, Kesting JB, **Shaw JTE** Identification of an apolipoprotein E variant associated with Type III hyperlipoproteinaemia in an indigenous Australian *Annals of Clinical Biochemistry* 38: 46-53, 2001
7. Good D, Busfield F, Duffy D, Lovelock PK, Kesting JB, Carmeron DP, **Shaw JTE** Familial Paget's Disease of Bone: Nonlinkage to the PDB1 and PDB2 loci on chromosomes 6p and 18q in a large pedigree *Journal of Bone and Mineral Research* 16 (1): 33-38, 2001

Accepted for Publication

1. Adipose depot-specific expression of cIAP-2 in human preadipocytes and modulation of expression by serum factors and TNF- α . Niesler CU, **Prins JB**, O'Rahilly S, Siddle K, Montague CM. *International Journal of Obesity* (2001). In press.
2. Arachidonic Acid Stimulates Glucose Uptake in 3T3 LI Adipocytes by Increasing GLUT1 and GLUT4 Levels at the Plasma Membrane: Evidence for involvement of lipoxygenase metabolites and peroxisome proliferator-activated receptor γ . Nugent C, **Prins JB**, Whitehead JP, Wentworth JM, Chatterjee VK, O'Rahilly S. *Journal of Biological Chemistry* (2001) 276(12): 9149-57.

Lectures and Presentations

Dr J Prins

Over 40 lectures and presentations including invited lectures to the Australian Diabetes Society (Cairns), the Garvan Research Institute (Sydney) and the Australasian Society for the Study of Obesity (Sydney).

Dr J Shaw

Over 40 lectures and presentations including invited lectures to the Australian Diabetes Society (Cairns), and the 34th International Physiology Congress satellite meeting on diabetic complications.

Postgraduate Students

Ms Louise Hutley
Ms Manuela Stolic
Dr Anthony Russell
Dr Trisha O'Moore-Sullivan
Mr David Good
Mr David Chambers

Public Service Relevant to Research

Dr J Prins

- ◆ Princess Alexandra Hospital Research Ethics Committee (Clinician/Scientist member)
- ◆ Princess Alexandra Hospital Research Committee
- ◆ University of Queensland Southern Clinical School Research Committee
- ◆ Chair, Committee for General Clinical Training, Princess Alexandra Hospital
- ◆ Grant Reviewer - NHMRC, MRC (Hong Kong), Diabetes Australia Research Trust, National Heart Foundation
- ◆ Assessor, Royal Australasian College of Physicians
- ◆ Journal Reviewer – Diabetes, Laboratory Investigation, International Journal of Obesity, Medical Journal of Australia

Dr J Shaw

- ◆ Member, Queensland Health Diabetes Allied Health Task Group
- ◆ Convenor, South-East Queensland Regional Endocrine Group
- ◆ Member, Specialist Advisory Committee in Endocrinology for the Royal Australasian College of Physicians
- ◆ Regional Examiner, Royal Australasian College of Physicians
- ◆ University of Queensland representative, Diabetes and Cardiovascular Intervention Trials (DACIT) Steering Committee
- ◆ Chairperson "Australian Families Against Diabetes" Advisory Board
- ◆ University of Queensland Department of Medicine representative on the Ethics, Personal and Professional Development Committee for the Graduate Medical Course
- ◆ Grant reviewer: NHMRC, DART, NHF, The Prince Charles Hospital Foundation
- ◆ Journal Reviewer: Diabetologia, Journal of Clinical Endocrinology, Diabetes/Metabolism Research and Reviews

MEDICINE –
Gastroenterology & Hepatology Department

STAFF

Darrell Crawford MD, FRACP	Associate Professor of Medicine Director of Gastroenterology and Hepatology
Elizabeth Powell MBBS, FRACP, PhD	Clinical Senior Lecturer, Department of Surgery Director of Clinical Training & Gastroenterologist
Paul Kerlin MD, FRACP	Clinical Professor of Medicine Senior Consultant Gastroenterologist
Derek Dickey MBBS, FRACP	Senior Consultant Gastroenterologist
Neville Sandford MBBS, FRACP	Consultant Gastroenterologist
Charles Steadman MD, FRACP	Clinical Associate Professor of Medicine Consultant Gastroenterologist
Mark McCullen BSc MBBS MRCP	Senior Fellow in Gastroenterology

Research Staff

Linda Fletcher B.Sc (Hons), PhD Scientist	Claudia Shorthouse RN Liver Disease Co-ordinator
Katherine Stuart MBBS,FRACP Research Fellow (PhD Student)	Julie Roggeveen RN Study Co-ordinator
Therese Murphy MSc Scientific Laboratory Assistant	Di Jones RN Research Assistant

CURRENT RESEARCH ACTIVITIES

1. Research

The major research interests of the Department centre around liver disease and are related to disorders of iron metabolism, hepatitis C and liver transplantation.

(i) Disorders of Iron Metabolism

Due to significant non-expression of disease in the iron-overload disorder, genetic haemochromatosis, a consensus is that phenotypic measurements rather than genetic testing be recommended for population-based screening programs. In collaboration with Dr Peter Hickmann (Department of Chemical Pathology) and Dr Patrick Hogan (Department of Immunology) we have been evaluating outcomes of a hospital based screening program for C282Y associated haemochromatosis. The study is ongoing with over 11,000 patients presenting to Chemical Pathology for routine tests screened to date and over 5% with a TIBC >40% genotyped for the disease. Dr Mark McCullen has presented the findings of this study at state and national meetings and has been awarded an oral presentation at the International Association for Study of Disorders of Iron Metabolism in 2001.

Excess iron is often present in patients with end-stage liver disease and we have shown that this is not due to the common genetic mutations in the haemochromatosis gene *HFE*. This observation was published in the prestigious journal, *Hepatology* and drew editorial comments. One current major research interest is to examine the mechanisms and pathological significance of iron accumulation in cirrhosis. This study which forms the basis of Dr Katherine Stuart's PhD involves both animal and human studies. Carbon-tetrachloride-treated and Bile duct ligated animal models have been established to mimic human hepatocellular and cholestatic disease. We are investigating the gene expression of novel genes involved in the intestinal absorption of iron in both animal models and human cirrhotic patients and correlating expression with body iron stores and whole-body iron absorption. Dr Stuart was awarded an NHMRC postgraduate scholarship to continue this work in 2001 and 2002.

Dr Fletcher has specifically been examining the role of both alcohol and iron to quantify the contribution of alcohol to the development of cirrhosis in homozygous haemochromatosis patients. We have found that excess alcohol consumption significantly increases the risk of the development of cirrhosis in these patients and that cirrhosis develops at a lower hepatic iron concentration in those iron loaded subjects who consume greater than 60g alcohol per day. The results of this study will also be presented the International Association for Study of Disorders of Iron Metabolism in 2001.

CURRENT RESEARCH ACTIVITIES

1. Research

(Cont'd)

(ii) Hepatic Fibrosis, Stellate Cell Biology and Hepatocellular Carcinoma

Our group has had a long standing interest in mechanisms of hepatic fibrosis. The principal effector cell of hepatic fibrosis is the hepatic stellate cell. We have established strong collaborations with Professors Gotley and Fawcett, and Ms Tina Yeardon (Department of Surgery). The aim of this research is to understand the host stellate cell response to liver malignancy. This project was awarded NHMRC funding in 1999 and 2000. Animal models of HCC have been developed and we have conducted studies of the characteristics and the time course of the fibrogenic response to malignant cells. This work is ongoing and has been presented in oral and poster format at many national and international meetings.

(iii) Hepatitis C Virus

In collaboration with Professor Eric Gowans, we have provided evidenced obtained in-vitro and in-vivo of a significant relationship between vitamin B12 and hepatitis C virus replication. The results of this study were recently published in the highly prestigious Proceedings of The National Academy Sciences. Furthermore, we are now conducting further studies of the clinical implications of this relationship and Dr Peter Whiting was awarded a Princess Alexandra Hospital Research Fellowship to conduct this research. Recently, we were successful in obtaining competitive funding to continue this research throughout 2001.

In addition to basic laboratory and clinical research, we have commenced a series of projects specifically designed to enhance shared care arrangements between hospital specialists and general practitioners in metropolitan and non-metropolitan Queensland. These projects have also received independent funding from QHealth

(iv) Other projects include:

- The influence of host genetic factors on disease progression in chronic hepatitis C
- Investigation of the relationship between steatosis and fibrosis in chronic liver disease
- Investigation of the mechanisms contributing to human liver allograft acceptance
- The role of the renin angiotensin system in hepatic fibrosis

2. Clinical Trials

Research Protocol – 116/99

Phase III, Randomised, Multicentre, Efficacy and Safety Study Examining the Effects of the Duration of Treatment and the Daily Dose of Ribavirin in Patients with Chronic Hepatitis C Virus Infection Treated with the Combination of Peginterferon alfa-2a and Ribavirin, Version NV15942c(12-Jan-01).

Research Protocol WV16143A

A protocol for re-treatment with the combination of Peginterferon alfa-2a and Ribavirin for patients with chronic hepatitis C in original study NV15942 who relapsed virologically after completing 24 weeks of treatment.

Research Protocol – 22/01

A Randomised, Open – Label, Multicentre, Phase III Study Evaluating the Efficacy and Safety of Peginterferon alfa-2a (Ro25-8310) in Combination with Ribavirin (Ro 20-9963) Given for 24 weeks Versus 48 weeks Versus No Treatment in Patients with Chronic Hepatitis C and persistently Normal ALT Levels. NR16071 Version B (2 May 2000).

Research Protocol – 112/99

An Open Label Study of the Safety and Efficacy of Adefovir Dipivoxil for the Treatment of Liver Disease due to Lamivudine Resistant Hepatitis B (HBV) in Liver Transplant Patients. Protocol GS-98-435.

Research Protocol – 188/2000

A Phase IIa, Multicentre, Randomised, Double-Blind, Placebo-Controlled Study to Assess the Safety and Efficacy of Oral AM365 for the Treatment of Chronic Hepatitis B Virus Infection. AM365-02-001.

Research Protocol – 52/01

A Randomised, Double-blind, Placebo-Controlled Study of the Efficacy and Safety of Celecoxib (SC-58635) in the prevention of Colorectal Sporadic Adenomatous Polyps. EQ4-00-02-018.

Hepatitis C and Weight reduction

The role of weight reduction and nutrition in fatty liver disease associated with chronic hepatitis C

Hepatitis C and the Renin Angiotensin system

The effect of renin angiotensin system blockade on the progression of hepatic fibrosis

Funding

- Crawford, Gotley, Yeadon, Fawcett
H&MRC "Tumor-host organ interaction: mechanism of encapsulation of hepatocellular cancers". Chief investigators: Drs (\$58,151 for 1999, \$59,840 for 2000)
- Powell, Jonsson, Hickman, Prins, Clouston, Hay
Investigation of the relationship between steatosis, lipid peroxidation and fibrosis in chronic hepatitis C
PAH R&D Foundation, 2000, \$8000
- Jonsson, Powell, Hogan, Lynch
Investigation of Natural Killer cell Function and donor leucocyte chimerism following liver transplantation.
PAH R&D Foundation, 2000, \$8000
- Powell, Jonsson, Fawcett
Cytokine genotypes and withdrawal of immunosuppression after liver transplantation.
Royal Children's Hospital Foundation, 2000, \$15,000

PUBLICATIONS

Publications which have appeared in 2000

1. **Hickman PE, Hourigan LT, Powell LW, Gordingley F, Dimeski G, Ormiston B, Shaw J, Ferguson W, Johnson M, Asccough J, Mcdonnell K, Pink A, Crawford DHG.** Automated measurement of unsaturated iron binding capacity provides a cost effective strategy for screening for C282Y haemochromatosis. (2000) GUT 46(3);405-409
2. **McCullen MA, Crawford DH, Dimeski G, Tate J, Hickman PE.** Why there is discordance in reported decision thresholds for transferrin saturation when screening for hereditary hemochromatosis.(2000) Hepatology. 32(6):1410-1.
3. **Ramm GA, Carr SC, Bridle KR, Li L, Crawford DHG, Vogler CA, Britton RS, Bacon BR, Tracy TF, Jr.** The morphology of liver repair following cholestatic liver injury: resolution of ductal hyperplasia, matrix deposition and regression of myofibroblasts. (2000) Liver 20;387-396

Publications which have appeared in 2000

(Cont'd)

4. **Powell EE, Edwards-Smith CJ, Hay JL, Clouston AD, Crawford DH, Shorthouse C, Purdie DM, Jonsson JR.** Host genetic factors influence disease progression in chronic hepatitis C. (2000) *Hepatology* 31(4);828-833
5. **Maguire CM, Crawford DHG, Hourigan LF, Clouston AD, Walpole ET, Powell EE.** Lamivudine therapy for submassive hepatic necrosis due to reactivation of hepatitis B following chemotherapy. (2000) *J Gastroenterol & Hepatol* 14(8);801.
6. **Stuart KA, Fletcher LM, Clouston AD, Lynch SV, Purdie DM, Kerlin P, Crawford DHG.** Increased hepatic iron and cirrhosis: no evidence for an adverse effect on patient outcome following liver transplantation. (2000) *Hepatology* 32:6 1200-1207.
7. **Angus PW, McCaughan GW, Gane EJ, Crawford DHG, Harley H.** Combination low-dose hepatitis B immune globulin and lamivudine therapy provides effective prophylaxis against posttransplantation hepatitis B. (2000) *Liver Transplantation* 6(4)429-433.
8. **Fanning PA, Jonsson JR, Clouston AD, Edwards-Smith C, Balderson GA, Macdonald GA, Crawford DHG, Kerlin P, Powell LW, Powell EE.** Detection of male DNA in the liver of female patients with primary biliary cirrhosis. (2000) *J Hepatol* 33:690-695.
9. **Crawford DH, Hickman P.** Screening for hemochromatosis.(2000) *Hepatology*. May;31(5):1192-3.
10. **Crawford DH, Fawcett J.** Hepatocellular carcinoma in Australia: largely preventable? (2000) *Med J Aust*.16;173(8):396-7.
11. **Gilroy RK, Lynch SV, Strong RW, Kerlin P, Balderson GA, Stuart KA, Crawford DH.** Confirmation of the role of the Mayo Risk Score as a predictor of resource utilization after orthotopic liver transplantation for primary biliary cirrhosis.(2000) *Liver Transpl.* 6(6):749-52
12. **Nakazawa Y, Jonsson JR, Walker NI, Kerlin P, Steadman C, Lynch SV, Strong RW, Clouston AD** Fibrous obliterative lesions of veins contribute to progressive fibrosis in chronic liver allograft rejection (2000) *Hepatology* 32(6) 1240-1247

Publications which have appeared in 2000

(Cont'd)

13. **Jonsson JR, Edwards-Smith CJ, Catania SC, Morotomi Y, Hogan PG, Clouston AD, Bansal AS, Lynch SV, Strong RW, Powell EE** Expression of cytokines and factors modulating apoptosis by human sinusoidal leucocytes (2000) *J Hepatol* 32(3) 392-398
14. **Herzig KA, Falk MC, Jonsson JR, Axelsen RA, Griffin AD, Hawley CM, Rigby RJ, Cobcroft R, Nicol DL, Powell EE, Johnson DW** Novel surveillance and cure of a donor-transmitted lymphoma in a renal allograft recipient (2000) *Transplantation* 70 1 149-152
15. **Nakazawa Y, Walker NI, Kerlin P, Steadman C, Lynch SV, Strong RW, Clouston AD.** Clinicopathological analysis of liver allograft biopsies with late centrilobular necrosis: a comparative study in 54 patients. (2000) *Transplantation* 69, 1599-1608

Articles which have been accepted for publication

1. Macdonald GA, Bridle KR, Ward PJ, Walker NI, Houglum K, George DK, Smith JL, Powell LW, Crawford DAG, Ramm GA. Lipid peroxidation in hepatic stenosis in humans is associated with hepatic fibrosis and occurs predominantly in acinar zone 3. *J Gastro & Hepatol*
2. Bridle KR, Crawford DHG, Powell LW, Ramm GA. Role of myofibroblasts in tumour encapsulation of hepatocellular carcinoma in haemochromatosis. *Liver*
3. Jonsson JR, Hong C, Purdie DM, Hawley C, Isbel N, Butler M, Balderson GA, Clouston D, Pandeya N, Stuart K, Edwards-Smith C, Crawford DH, Fawcett J, Powell EE. Role of cytokine gene polymorphisms in acute rejection and renal impairment after liver transplantation (2001) *Liver Transplantation*
4. Clouston AD, Jonsson JR, Purdie DM, Macdonald GA, Pandeya N, Shorthouse C, Powell EE. Steatosis and chronic hepatitis C: analysis of fibrosis and stellate cell activation *J Hepatol*
5. Jonsson JR, Clouston AD, Ando Y, Kelemen LI, Horn MJ, Adamson MD, Purdie DM, Powell EE Angiotensin-converting enzyme inhibition attenuates the progression of rat hepatic fibrosis. *Gastroenterology*

Abstracts which have been published

1. Crawford DHG Lott WB Cooksley G Harrison M McDonald G Sloots T, Gowans E. effects of cobalamin on Hepatitis C virus translation and replication. (2000) Hepatology 32(4) 794
2. KA Stuart, DM Frazer, LM Fletcher, GJ Anderson and DHG Crawford. Expression of duodenal iron transporters in patients with cirrhosis. (2000) Hepatology 32(4) 416
3. Linda M Fletcher, Jeannette L Dixon, Lawrie W Powell, and Darrell HG Crawford. Hepatic cirrhosis in hereditary hemochromatosis is seldom due solely to iron: Evidence for a synergistic effect of alcohol and iron. (2000) Hepatology 32(4) 416
4. Whiting PW, Poos J, Purdie DM, Powell LW, Fletcher L, Crawford DHG. Concordance of iron indices between family members within haemochromatosis families: Further evidence that additional modifying genes influence HFE expression in hemochromatosis.(2000) Hepatology 32(4) 412
5. Jonsson JR, Ando Y, Keleman L, Clouston AD, Powell EE. Angiotensin converting enzyme inhibition attenuates the development of hepatic fibrosis in the rat bile duct ligation model. (2000) Hepatology, 32(4) 116
6. Hong C, Powell EE, Balderson GA, Clouston AD, Purdie DM, Pandeya N, Edwards-Smith CJ, Stuart KA, Crawford DH, Fawcett J, Lynch SV, Jonsson JR. The role of cytokine gene polymorphisms in acute rejection after liver transplantation. (2000) Hepatology 32(4) 322

Post Graduate students

- Dr Katherine Stuart, enrolled PhD
- Ingrid Hickman, enrolled PhD
- Peter Gochee, enrolled PhD

Awards to Staff Members

Dr Elizabeth Powell was awarded a NHMRC Practitioner Fellowship for 2001-2005.

Dr Katherine Stuart was awarded a NHMRC Postgraduate Medical Research Scholarship.

Dr Peter Whiting was awarded a Princess Alexandra Hospital Medical Research Scholarship.

Public Service Relevant to Research

Associate Professor Darrell Crawford

- **Member of Editorial Board:**

Journal of Hepatology/Journal of the European Association for Study of the Liver

- **Manuscripts reviewed for the following journals:**

Journal of Gastroenterology and Hepatology

Gastroenterology

Digestive Diseases and Sciences

Hepatology

Australian & New Zealand Journal of Medicine

Journal of Hepatology

Clinical Chemistry

Nutrition International

Medical Journal of Australia

Liver Transplantation and Surgery

GUT

Public Service Relevant to Research

Associate Professor Darrell Crawford

(Cont'd)

- Examiner: PhD Thesis – University of Sydney
- Professional and Research-Related Societies: Memberships of Departmental Members:

International: American Association for the Study of Liver Disease
International Association for Study of the Liver
American Gastroenterological Society
American College of Gastroenterology
British Society of Gastroenterology
Mayo Alumni Society

National: Gastroenterological Society of Australia
Australian Society of Medical Research
Australian Society of Parenteral and Enteral Nutrition
Australasian College of Physicians
Australian Fulbright Association

Local: Gastroenterological Society of Queensland

MEDICINE – Department of Geriatric Medicine

Staff

Director	1.0FTE	Dr Paul Varghese
Staff Specialist	1.0FTE	Dr Phil Aitken
Visiting Specialist	0.2FTE	Dr Glenda Powell
Visiting Specialist	0.6FTE	Dr Glenise Berry
Locum Visiting Specialist	0.2FTE	Dr Peter Kortlucke
Senior Registrars		Dr Rohan Grimley Dr Jane Campbell Dr Owen Davies
Research Nurse		Chris Watts

Current Research Activities

1. Campbell JE, Varghese PN, Bird LJ **The Incidence of Calcitriol-Associated Hypercalcemia in Elderly Patients with Minimal Trauma Osteoporotic Femoral Neck Fractures.** Paper presented at the Annual Scientific Meeting of the Australian Society for Geriatric Medicine, Cairns WA 2000
2. Grimley R, Taylor S, Varghese PN **Do measures of gait and balance alter with treatment of melancholic depression in a geriatric population?**
3. Davies OJ, Varghese PN **Rehabilitation Outcomes following Lower Limb Amputation - a Six Month Follow-up Study.**
4. S Lord et al Varghese PN -(Collaborative partner) **Preventing Falls in Acute and Rehabilitation Hospitals and Preventing Falls and Fractures in At-Risk Groups of Older People as part of Prevention of Injuries in Older People** (NHMRC Injury Partnership)

Funding

Rebecca Cooper Foundation Research Grant for Studies into Gait and Balance \$7,500

Publications

Varghese PN (2000) **A relational Database Application designed for use in Geriatric and Rehabilitation Units"** Aust NZ J Med 2000; 30:305

Lectures and Presentations

1. Varghese PN "The Care of the Elderly Sick" - MD200
2. Varghese PN "The Changes Associated with normal Ageing" -MD200
3. Aitken P "The Detection of Early Dementia", International Medical Society of Paraplegia ((MSOP), 39th ASM, Sydney, 4th Nov 2000.

MEDICINE – Haematology Department

Staff

Dr Ralph Cobcroft	Director (PAH & QHPS) & Clin. Ass. Prof. (Univ. of Qld)
Dr Devinder Gill	Senior Staff Haematologist (PAH) & A/Director (QHPS)
Dr Paula Marlton	Staff Haematologist (PAH) & A/Director (QHPS) and Senior Lecturer (Univ.of Qld)
Dr Gavin Cull	Staff Haematologist (PAH)
Russell Saal	Chief Scientist - Haematology (QHPS):
Karen Grimmett	Supervising Scientist Haematology - Special Investigations Section (QHPS)
Dr Helen Juffs	PAH Research Fellow
Georgina Timson	Research Assistant

Clinical Trials

National /International

- 1) ALSG M7 Study in AML: a randomised trial to evaluate the effect of high-dose versus conventional cytarabine in consolidation therapy following intensive induction therapy supported by lenograstim (rhu G-CSF) for adult acute myeloid leukaemia
- 2) Multi-center, Randomized, Open-label Study to Evaluate the Safety and Efficacy of Immunotherapy With Subcutaneous Maxamine (histamine dihydrochloride) Plus Proleukin (Interleukin-2) Versus No Treatment (Standard of Care) In Patients With Acute Myeloid Leukemia In First or Subsequent Complete Remission
- 3) ALSG Acute Promyelocytic Leukaemia Study: A Phase II trial with acute promyelocytic leukaemia (APML)
- 4) International Study Group Trial: CHOP with or without the anti-CD20 antibody Rituximab in de novo Diffuse Large B-Cell Non-Hodgkin's Lymphoma.
- 5) EORTC: European Organization for Research and Treatment of Cancer; Chimeric anti-CD20 monoclonal antibody (Mabthera®) in remission induction and maintenance treatment of relapsed follicular non-Hodgkin's lymphoma: Phase III randomised clinical trial (Intergroup Collaborative Study)
- 6) Phase III, randomised, open-label trail of CHOP chemotherapy plus Rituxan vs CHOP chemotherapy alone for previously untreated, clinically aggressive (IPI ≥ 2) intermediate/high grade CD20 Non-Hodgkin's Lymphoma
- 7) Efficacy and safety assessment of DaunoXome (liposomal daunorubicin) in the treatment of Non-Hodgkin's Lymphoma in elderly patients: a phase II study.

Clinical Trials

National /International

(Cont'd)

- 8) Treatment of Mantle Cell Non Hodgkin's Lymphoma with Rituximab After Autologous Marrow or Peripheral Blood Stem Cell Transplantation
- 9) ANZLG: Phase II study of autologous stem cell transplantation followed by interferon for patients with poor prognosis low-grade lymphoma
- 10) ALSG CLL2 Protocol: International Phase III Trial of Primary Therapy for B-Cell Chronic Lymphocytic Leukaemia

Trials initiated at Princess Alexandra Hospital/QHPS

- a) International Study Group Trial: CHOP with or without the anti-CD20 antibody Rituximab in de novo Diffuse Large B-Cell Non-Hodgkin's Lymphoma.
- b) Efficacy and safety assessment of DaunoXome (liposomal daunorubicin) in the treatment of Non-Hodgkin's Lymphoma in elderly patients: a phase II study.
- c) CD40 activated B-CLL cells: an alternate method for generating an immune response and establishing autologous antigen-specific T cells for adoptive immunotherapy
- d) A phase II trial of a novel oral chemotherapeutic regimen (CID) and early peripheral blood stem cell transplantation (PBSCT) for multiple myeloma (closed)

Other/Laboratory based Research

- i) Analysis of new clinically valuable prognostic indicators in chronic lymphocytic leukaemia – correlation of genomic aberration, immunoglobulin gene mutational status and CD38 expression with clinical parameters
- ii) Comprehensive assessment of minimal residual disease in patients with good prognosis acute myeloid leukemia (AML) for the prediction of relapse and development of therapeutic algorithms
- iii) Development of quantitation of bcl-1 oncogene by real-time PCR and monitoring of minimal residual disease in mantle cell lymphoma

Funding

Queensland Cancer Fund: \$33,784 and PAH Research & Development Foundation \$1000: Evaluating minimal residual disease in patients with good prognosis acute myeloid leukemia, trial no. ii) above

Australian Postgraduate Award (Dr Helen Juffs) \$16,700. Immunotherapy and gene therapy in CLL, trial no. d) above

Pharmaceutical companies:

Roche \$20,000: Development of quantitation of bcl-1 oncogene by real-time PCR and monitoring of minimal residual disease in mantle cell lymphoma

Amgen \$15,000. Evaluating minimal disease in AML and lymphoma.

Maxim \$US 20,000. Immunotherapy in AML trial no. 2) above

Amgen: \$4,200,

Nexstar \$31500

Publications

Peer-reviewed articles published in 2000

1. Cull GM, Haynes AP, Byrne JL, Carter GI, Mifflin G, Hale G, Waldmann H and Russell NH . Allogeneic stem cell transplantation for lymphoproliferative disease using BEAM-CAMPATH conditioning: an effective regimen with low procedure-related toxicity. *British Journal of Haematology* 108: 754-760
2. Byrne JL, Stainer C, Cull G, Haynes AP, Bessell EM, Hale G, Waldmann H and Russell NH. Analysis of the effect of the serotherapy regimen used and the marrow cell dose received on rejection, graft versus host disease and outcome following unrelated donor bone marrow transplantation for leukaemia. *Bone Marrow Transplantation* 25: 411-418
3. Kennedy GA, Marlton PV, Cobcroft R, Gill D. Molecular remission without blood product support using all-trans retinoic acid (ATRA) induction combined with arsenic trioxide (ATRA) consolidation in a Jehovah's Witness with *de novo* acute promyelocytic leukemia. *British Journal of Haematology* 111: 1103-1106

Abstracts

1. Nottage M, Gill D, Cobcroft R, Cull G, Kennedy G, Marlton P. Hyper-CVAD regimen in Acute Lymphoblastic Leukemia and related malignancies: a report of 23 cases: HSA/ASBT Annual Scientific Meeting. Haematology Society of Australia 31st Annual Scientific Meeting, Perth July 2000
2. Kennedy GA, Gill D, Marlton PM, Cobcroft RC, Cull G, Norris D: The CD43+ only phenotype: a single centre experience. HSA/ASBT Annual Scientific Meeting. Haematology Society of Australia 31st Annual Scientific Meeting, Perth July 2000
3. Russell NH, Cull G, Byrne JL, Stainer C, Haynes AP. Allogeneic transplantation for lymphoproliferative disorders using BEAM/CAMPATH conditioning: analysis of chimerism and GVHD. Annual Scientific Meeting of the British Society for Haematology, Bournemouth, UK, 27-29 March 2000. British Journal of Haematology 108, Suppl.1, 161.
4. Herzig KA, Juffs HG, Brown AM, Gill D, Hawley CM, Cobcroft R, Petrie JJ, Marlton P, Rigby R, Thomson D, Campbell SB, Isbel N, Nicol DL, Johnson DW: a single centre experience of post-renal transplant lymphoproliferative disorder (PTLD) ANZSN ASN March 3-5, 2000

Invited Lectures and Presentations

CHOP ± Mabthera in Aggressive (low risk) Non-Hodgkin's Lymphoma: Australasian Leukemia Lymphoma Group Meeting. Melbourne May 2000 ***Dr Devinder Gill**

RCPA Qld Branch Meeting 2000, Molecular monitoring of minimal residual disease in acute myeloid leukemia. * **RusSell Saal**

Minimal Residual Disease in Acute Myeloid Leukemia: Haematology Society of Australia and New Zealand Congress Perth July 2000 * **Dr Paula Marlton**

Minimal Residual Disease Workshop: Haematology Society of Australia and New Zealand Congress Perth July 2000 * **Dr Paula Marlton**

Lymphoma: Australasian Institute of Medical Scientists July 2000 ***Dr Devinder Gill**

Strategies for immunisation in lymphoid/plasma cell malignancies. Mater Medical Research Group Meeting, March 2000. * **Dr Gavin Cull**

Dendritic cell therapy of myeloma. Annual Meeting of the Queensland Branch of the HSA NZ, April, 2000. * **Dr Gavin Cull**

Overview of the therapeutic use of dendritic cells. Annual Scientific Meeting of the Haematology Society of Australia and New Zealand, Perth, September, 2000

* **Dr Gavin Cull**

Public Service Relevant to Research

Dr Devinder Gill: Member of the Laboratory Scientific Sub-Committee of Australasian Leukemia and Lymphoma Group (ALLG),

Dr Devinder Gill: Co-Principal Investigator of International Study Group Trial: CHOP with or without the anti-CD20 antibody Rituximab in de novo Diffuse Large B-Cell Non-Hodgkin's Lymphoma.

Dr Devinder Gill: Scientific assessor for the Leo & Jenny Leukaemia and Cancer Foundation

Dr Devinder Gill, and Dr Paula Marlton: Speakers for Leukemia Foundation of Queensland.

Dr Paula Marlton: Member of Executive Committee of Australasian Leukemia and Lymphoma Group (ALLG)

Dr Paula Marlton: Chairman of Laboratory Scientific Committee Australasian Leukemia and Lymphoma Group (ALLG)

Dr Paula Marlton: Co-ordinator for establishment of National Leukemia Tissue Bank.

Dr Paula Marlton: Member of the Organising Committee for the 33rd Annual Meeting of Haematology Society of Australia - 2001.

Dr Ralph Cobcroft: Member of the Blood Product User Group of NE Australia Red Cross Blood Service.

Dr Ralph Cobcroft: Chairman: Queensland Health Blood and Blood Products Advisory Group.

Dr Ralph Cobcroft: Member of the High Cost Drugs Sub-Committee of the Drugs and Therapeutics Committee, Princess Alexandra Hospital.

Dr Ralph Cobcroft: Qld Health Pathology Service, Haematology Discipline Working Party

Dr Ralph Cobcroft: Qld Health Pathology Service, Molecular Biology Discipline Working Party

Dr Gavin Cull: Chairman of the Brisbane Haematology Group Meetings

Dr Gavin Cull: Scientific Assessor for the National Health and Medical Research Council Project Grant Funding

Russell Saal: Qld Health Pathology Service, Haematology Discipline Working Party

Russell Saal: Qld Health Pathology Service, Molecular Biology Discipline Working Party

MEDICINE – Infection Management Services

Staff - Research

Dr Michael Whitby
Dr David Looke
Dr Wendy Munckhof
Dr David Jardine
Gail Neilson
Barbara Johnson
Jenny Stackelroth

Current Research Activities

Clinical Trials

1. Linezolid v's Vancomycin for the treatment of Neutropenia in Cancer Patients.
2. Safety and Efficacy of Ambisome v's Conventional Amphotericin B in the Treatment of Patients with Suspected or Confirmed Mycosis.
3. Linezolid given Intravenously or Orally for use in Patients with Significant Multi-Resistant Gram Positive Infection or in Patients Unsuitable to Standard Therapy.

Funding

- # 1 Pharmacia Australia Pty Ltd
- # 2 Gilead
- # 3 Pharmacia Australia Pty Ltd

Other Research

1. Evaluation of Patient Quality of Life of the Alternate Site Infusion Service
2. Patient satisfaction of the Alternate Site Infusion Service
3. Economic Evaluation of the Alternate Site Infusion Service

Publications

Publications which have appeared in 2000

1. **Whitby M**, Johnson BC, Atkinson RL, Stewart G. The efficacy of intravenous cefotaxime and cotrimoxazole in preventing infection after neurosurgery: a prospective, randomized study. Br J Neurosurg 2000 14, 13-18.
2. Selvey LA, **Whitby M**. Johnson B Nosocomial methicillin resistant Staphylococcus aureus bacteremia - is it any worse than nosocomial methicillin sensitive Staphylococcus aureus bacteraemia? Infect Control Hosp Epidemiol 2000 Oct; (10) 645-8

Publications

Publications which have appeared in 2000

3. Munckhof WJ, Turnidge JD.(2000). Post-antibiotic suppression of growth of erythromycin A-susceptible and –resistant Gram-positive bacteria by the ketolides telithromycin (HMR 3647) and HMR 3004. *Antimicrobial Agents and Chemotherapy* 47 1749-1753.
4. Johnson DW, Bartley PB, **Looke DF**, Nimmo GR. Vancomycin Resistant Enterococci: Seek and Ye Shall Find (letter) *Med.J.Aust.* 2000 (Jan 3); 172(1): 42-3

Articles which have been accepted for publication

1. Playford EG, Bansal AS, Hogan PG, Looke DFM, **Whitby M**. Hypercalcemia and elevated 1,25(OH)₂D₃ levels complicating disseminated Mycobacterium avium infection in AIDS. *J Infect* (in press).
2. McLaws ML, Murphy C, **Whitby M**. Standardisation of Surveillance Data in Nosocomial Infection. *Qual Clin Pract* (in press)
3. Morton AP, Whitby M, McLaws M-L, Dobson A, EcElwain S, Looke D, Stackelroth J, Sartor A. The application of process control chart methodology to the detection and monitoring of of hospital-acquired infections. *Am J Infect Control* (2001). (In press)
4. Whitby M, McLaws M-L, Berry G. The risk of death from methicillin-resistant Staphylococcus aureus bacteraemia: a meta-analysis. *Med J Aust.* (in press).
5. Munckhof WJ, Mayo M, Scott I, Currie BJ. Fatal human melioidosis acquired in a subtropical Australian city. *American Journal of Tropical Medicine and Hygiene*, in press.
6. **Looke DFM**, Robson JA. Zoonoses. Chapter submitted to Chief medical Officer's report on infectious disease. In press 2001.
7. Wong RCW, Wilson R, Silcock LM, Kratzing LM, **Looke DFM**. An unusual combination of positive IgG autoantibodies in acute Q-fever infection. Accepted for publication. *Internal Medicine Journal*. June 2001.

Abstracts which have been published

1. Slavin M, Marriott D, Chen S, **Looke DFM** et al. Candida blood stream infections: Australian Epidemiology. Australian Society for Infectious Diseases Annual Scientific meeting. Leura 2000.
2. Bartley PB, Schooneveldt JM, Johnson DW, Stackleroth J, **Looke DFM**, Nimmo GR. The emergence of a clonal strain of Enterococcus faecium Van A in two Brisbane Hospitals Australasian Society for Infectious Diseases Annual Scientific Meeting. Leura 2000.
3. **Looke DFM**. Healthcare Associated Infection Surveillance, the development of electronic data collection and analysis systems for infection control. Australian Society for Microbiology Annual Scientific Meeting. Cairns July 2000.

Lectures and Presentations

Dr Michael Whitby

- * June, 2000. "Chronic Fatigue Syndrome - A Physician's Perspective" Plenary lecture Royal Australian College of Physicians: Faculty of Forensic Psychiatric Annual Meeting. Port Douglas. (Dr M Whitby)
- * October, 2000. TSE, CJD, BSE: Why all the fuss? Visiting lecturer, St George Hospital, Sydney. (Dr M Whitby)
- * 2 Feb, 2000. "AIDS" lecture to medical students, PAH. (Dr W Munckhof)
- * 2 Feb, 2000. "New Infections" Lecture to FRACP part 1 candidates. (Dr W Munckhof)
- * 15 Feb, 2000. Presentation, Brisbane Infectious Diseases / Microbiology rounds. (Dr W Munckhof)
- * 22 Feb, 2000. " New Antibiotics to treat vancomycin-resitant enterococcal infections" Lecture to Renal Unit, PAH. (Dr W Munckhof)
- * 24 Feb, 2000. "Surgical antibiotic prophylaxis" Surgical Grand Rounds, IGH. Dr W Munckhof)
- * 11 Sep, 2000. "Fever" Lecture to final year medical students, PAH. (Dr W Munckhof)
- * 27 Nov, 2000. "Antibiotics" Introductory lecture to final year medical students, IGH. (Dr W Munckhof)
- * 5 Dec, 2000. "Christmas Quiz". Brisbane Infectious Disease / Microbiology Rounds. (Dr W Munckhof)

Lectures and Presentations

Dr David Looke

PRESENTATIONS AT MEETINGS (other than regular hospital meetings or teaching sessions)

1. **Looke DFM.** "Career Directions in Australian Microbiology". Royal College of Pathologists of Australasia. Microbiology 2000 meeting. Sydney March 2000.
2. **Looke DFM.** "The use of Control Charts for infection control surveillance." Australian Infection Control Association National Scientific Meeting. Adelaide May 2000.
3. **Looke DFM.** "Vancomycin-Resistant Enterococci: Implications for Nephrology." Asia Pacific Federation of Nephrology. Annual Scientific Meeting, Auckland June 2000.
4. **Looke DFM.** "Healthcare-associated infection surveillance: the development of electronic data collection and analysis systems for infection control". Australian Society for Microbiology Annual Scientific Meeting. Cairns July 2000.
5. **Looke DFM.** "Geographic rationalisation of testing: the Mycobacteriology laboratory". Royal College of Pathologists of Australasia. Annual Scientific Meeting Canberra Nov. 2000.

Postgraduate Students

Gail Neilson: PhD: Pharmacoeconomics

Supervision of Research Fellows

1999-2000 D Looke (joint supervisor with Dr J Armstrong)

Dr R Thomsen

Princess Alexandra Hospital Post Graduate Fellow

Awards to Staff Members

Roche Travel Award, Australian Society for Antimicrobials. (Dr W Munckhof)

Public Service Relevant to Research

Newsletter Editor, Australian Society for Antimicrobials (Dr Munckhof)

Committee member, Australian Home and Outpatient Intravenous Therapy.(Dr Munckhof)

Staff

Rob Barnett, Director Intensive Care
David Cook, Senior Staff Specialist
Chris Joyce, Senior Staff Specialist
Ram Sistla, Senior Staff Specialist
Jerome Cockings, VMO
Wayne Kelly, VMO
Tony Limpus, Clinical Researcher
Alison Juers, Nurse Educator
Sean Birgan, Nurse Practice Coordinator

Current Research Activities

- a. Australian & New Zealand Intensive Care Society (ANZICS) Clinical Trial Group (CTG) studies
 - Australian Traumatic Brain Injury Survey (ATBIS)
 - Australian and New Zealand Audit of Blood Transfusion in Intensive Care (ANAemIC)
- b. Effect of Hypercapnia on Renal Haemodynamics in Normal Healthy Volunteers
- c. Staff Survey – Current Shiftwork Practices in Intensive

Funding

\$3200 awarded from the Research & Development Foundation for Effect of Hypercapnia on Renal Haemodynamics in Normal Healthy Volunteers

Publications

Winsor, K., Blake, S., Pyne, L. & Juers, A. 2000. The innovative ward project: promoting innovation in health service delivery. *Australian Health Review*, 23(4): 151-9.

Brinkman, P., Seipel, C. & Juers, A. 2001. Prosthetic inventory management. *Australian Health Review*, 24(1): 120-7.

Juers, A. & Birgan, S. 2000. Advance course fee payments – an incentive for tertiary study. *Critical Times*, 3(4):4.

Cook D.A. 2000. Performance of APACHE III Mortality Predictions in an Australian Intensive Care Unit. *Chest* 118(6), 1732-38.

Lectures and Presentations

Transition to Intensive Care Nursing – A Collaborative Approach. PA Week 2000.

Staff Survey: Current Shiftwork Practices in Intensive care. PA Week 2001.

Consent in Clinical trials. PA Week 2001

Acute Hypercapnia Increases Renovascular Resistance in Normal Humans. ANZICS 2000.

Queensland Health Transition to Intensive Care Program: Impacts and Benefits. ANZICS 2000.

An association between senior medical staff workload and ICU mortality: Do adequate staffing levels improve mortality? ANZICS 2000.

Assessing ICU performance: Mortality vs Length of Stay Plots. ANZICS 2000.

Out of hours discharges: Are we risking our patient's lives? ANZICS 2000.

Postgraduate Students - 2000

Completed Post Grad Studies	Undertaking Post Grad. Studies
Sabina Muldoon Grad Cert QUT	Carolyn Griffiths MA Crit. Care (QUT)
Daisy Ip Grad Cert QUT	Peta Richards MA Crit. Cr (GU)
Rebecca Gauci Grad Cert QUT	Leonie Diekmann MA Crit Cr (GU)
Debbie Carney Grad Cert QUT (Neuro elect. rpl)	Alison Juers MA Adult & Workplace Ed. (QUT)
Cathy Schmich Grad Cert QUT	Jenny Hawkins MA Nursing (QUT)
Hoan Dang Grad Cert QUT (Neuro elect. rpl)	Jean Helyar Grad Dip Adult & Workplace Ed (USQ)
	Rod Hurford
	Tony Wilson MA Crit. Care (GU)
	Vicki Campbell Grad Dip Crit Cr (QUT)

DEPARTMENT OF INTERNAL MEDICINE

Staff

Ian Scott MBBS, FRACP, MHA, MEd
Annabel Hickey BAppSc (OT), MMSc (Clin Epi)
Melody Downey RN
Lisa Mitchell RN
Graham Hall MBBS, FRACP
Frank Lepre MBBS, FRACP
Jenny Stephensen

Current Research Activities

Clinical Trials

FIELD Study

Other Research

- a) Improving Cardiac Care - Clinical Support Systems Program
- b) Transition II Clinical Indicator Project - QIEP
- c) Cardiac Rehabilitation Project – QIEP
- d) Hospital Indicators Using Administrative Data Project – QIEP
- e) Clinical Practice Guidelines Project - QIEP
- f) West Moreton Cardiovascular Outcomes Project – QH/West Moreton Public Health Unit

Funding

1.
 - a) RACP (grant from Commonwealth): \$250,000 for PAH
 - b) Queensland Health Quality Improvement & Enhancement Program (QIEP):
\$80,000
 - c) QIEP: \$80,000
 - d) QIEP: \$50,000
 - e) QIEP: \$40,000
 - f) QH Health Information Centre: \$50,000

Publications

Publications in 2000

1. Scott IA, Heyworth R, Fairweather P. (2000) The use of evidence-based medicine in the practice of consultant physicians. Aust NZ J Med 30: 342-6.
2. Scott IA, Eyeson-Annon M, Huxley S. West M. (2000) Optimising care of acute myocardial infarction. Results of a regional quality improvement project. J Qual Clin Practice 20: 12-19.
3. Scott IA, Harper C, Clough A, West M. (2000) West Moreton Coronary Outcomes Program [WESTCOP]. A disease management approach to coronary artery disease. Aust Health Review 23: 109-125.
4. Scott IA, Greenberg P, Phillips PA. (2000) The value of evidence-based medicine to consultant physicians. Aust NZ J Med 30: 683-692.

Articles submitted in 2000 which have been accepted for publication

1. Scott IA, Harden H, Coory M. (2001) What are appropriate rates of use of invasive procedures following acute myocardial infarction? Results of a systematic review. Med J Aust 174: 130-136.
2. Scott IA. Developing and assessing clinical reasoning skills using problem-based methods: An exploratory study. (2001) Focus Health Prof Edu (in press).
3. Scott IA, Coory M, Harper C. (2001) The effects of quality improvement interventions on in-hospital mortality in acute myocardial infarction. Med J Aust (in press).
4. Scott IA, Campbell D. (2001) An overview of health services research. Intern Med J (in press)

Lectures and Presentations

Ian Scott

- *Improving in-hospital care of elderly patients. Grand Rounds, Royal Brisbane Hospital. 21/2/2000
- *Evidence-based Health Care: Initiatives at Princess Alexandra Hospital. University of Queensland Evidence-based Healthcare Workshop, Bardon Professional Centre. 9/3/00.
- *Evidence-based Medicine for Junior Doctors. Intern Training Program, PAH. 8/5/00
- *Clinical Effectiveness into Action. ACHSE Workshop, Wesley Hospital. 3/6/00
- Optimising Cardiac Care –Brisbane Cardiac Consortium. Health Outcomes Conference, Canberra. Poster presentation, 31/7/00-3/8/00.
- *Pre-operative medical assessment. RACP College Lecture Series, Brisbane. 19/9/00

Postgraduate Students

Michelle Groves PhD (work in progress).

Public Service Relevant to Research

Ian Scott

- Member, Queensland Health Cardiac Services Advisory Panel.
- Member, National Priority Health Program in Cardiovascular Disease.
- Vice-President (Australia), Internal Medicine Society of Australia and New Zealand.
- Reviewer, Medical Journal of Australia.
- Editor for Internal Medicine, Internal Medicine Journal (official journal of RACP)
- Convenor, IMSANZ 2000 Scientific Conference, Twin Waters, Maroochydore. 29/9-1/10/00
- Co-convenor, RACP State Annual Scientific Meeting, Coolum, 14-15/10/00
- Tutor, Evidence-based Medicine Workshops (QIEP), Gold Coast 11/12/00

MEDICINE – Department of Medical Oncology

STAFF

Assoc Professor DB Thomson	Director
Dr Euan Walpole	Senior Staff Specialist
Mr Dan Jackson	Data Manager
Ms Danica Humphries	Data Manager
Mr Steven Ivanhoe	Data Manager
Mrs Susan Godwin	Research Nurse

CURRENT RESEARCH ACTIVITIES

CLINICAL TRIALS

Breast

- UFT + LV (oral) (100/98 Dr E Walpole)
- Metastatic breast disease with progression after treatment with an anthracycline and taxane.
- Phase III trial Docetaxel/Doxorubicin (36/99 Dr E Walpole)
- Intergroup (BIG) 4 arm study in the adjuvant treatment of node + breast cancer pts.
- Phase III BIG 1-98 (140/97 Dr E Walpole)
- Postmenopausal women with operable disease receptor positive. (double-blinded)
- Taxotere RP56976-v-303 Companion Study (24/94 Dr E Walpole)
- Evaluation of Her-2, Topo-Isomerase II and Microtubule-Associated Proteins As Predictive Markers in a population of Advanced Breast Cancer
- Theratope Vaccine (156/99 Dr E Walpole)
- Vaccine for patients with Metastatic Breast Cancer

Germ Cell

Good prognosis Germ Cell Study (108/93 Dr DB Thomson)

- Operable testicular ca followed by recurrence.

CURRENT RESEARCH ACTIVITIES

CLINICAL TRIALS

(cont'd)

Colon

- Stages II & III Ca. Colon C-07 (75/2000 Dr E Walpole)
5-FU + LV + oxaliplatin vs 5-FU + LV.

Upper G.I.

- Phase II Gastric Taxane Study (170/00 Dr Walpole)
- Previously treated, advanced gastric ca.
- Phase II trial of ECF (1/97 Dr Walpole)
- Advanced but operable gastric cancer.
- Phase III AGITG/TROG TRIAL
- Surgery alone vs pre-op chemo/radiotherapy in Oesoph. Ca.
- Phase I-II PAH STUDY
- Dose escalation of Paclitaxel with 5FU + concurrent radiation in adva. oesoph ca.
- Phase I-II PAH STUDY
- Protacted intravenous infusion of 5FU + concurrent radiation for oesoph.ca.
- Phase II trial CPT-11, 5-FU, LV. (28/99 Dr E Walpole)
- Inoperable advanced gastric cancer.

Melanoma

- Phase II in Metastatic Melanoma (96/00 Dr DB Thomson)
- Lometrexol Sodium i.v. + Oral Folic Acid/no previous chemotherapy
- DTIC with Taxotere (142/00 Dr DB Thomson)
- Metastatic Melanoma
- Phase III randomized in advanced met. Melanoma (142/00 Dr Thomson)
- DTIC vs DTIC + G3139 Bel-2 Antisense Oligonucleotide.
- IL2 + INF + MAX versus DTIC (125/97 Dr DB Thomson)
- Advanced MetastaticMelanoma
- Phase II Dendritic Cell Vaccine
- Study of Autologous Melanoma Vaccine in stage IV Melanoma.
- Phase II Vinflunine study (180/2000 Dr Thomson)
- IV Vinflunine in met. Melanoma/chemotherapy naive

Skin

Merkel Cell Study

Aggressive skin disease.

OTHER RESEARCH

- **Cancer Registry Project** – Results of cancer treatment at PAH using electronic data (ongoing project)

FUNDING

Clinical Trials

- \$ 96,803.21 received as support for multiple clinical trials. This amount applies to both Medical Oncology and Haematology.

Other Sources

- \$50,000 – Qhealth in year 1999/2000 for ongoing outcomes for Cancer Registry in Breast and Colon Cancer

PUBLICATIONS

Troy L, McFarland K, Littman-Power S, Kelly BJ, Walpole ET, Wyld D, Thomson D (2000). Cisplatin-based therapy: a neurological and neuropsychological review. *Psychooncology*. 9(1): 29-39

LECTURES AND PRESENTATIONS

D. Thomson

- *ISOP – International Society of Oncology Pharmacy- Budapest
Treatment of Metastatic Melanoma
- PAH Grand Rounds
Treatment of Testicular Cancer

E. Walpole

- PAH Week
PAH Cancer Registry Project – Breast Cancer
- *Thoracic Society Queensland
The Great Debate – Lung Cancer
- PAH Lymphoma Group
New Drugs in Oncology
- PAH Grand Rounds
Update in Oncology 2000
- *AGITG – Australasian GI Trials Group
Peri-operative Systemic Chemotherapy for liver metastases from colorectal cancer

PUBLIC SERVICE RELEVANT TO RESEARCH

E.Walpole

Deputy Chairman – QCF Medical and Scientific Committee

Chairman – Medical Oncology Group of Australia Annual Scientific Meeting

Organizing Committee- AGITG (Australasian GI Trials Group) Annual Meeting

Trial Monitoring Committee – AGITG Gastric Cancer Study

AGITG Colorectal Committee

MEDICINE – Department of Nephrology

Staff

Consultant Physicians

Dr. Carmel Hawley MB BS (Hons). FRACP
Director of Nephrology

Dr David Johnson MB BS (Hons), FRACP, PhD (Syd)
Deputy Director of Nephrology
Head of Renal Research Laboratory

Dr. Scott Campbell MB BS (Hons), FRACP
Consultant Nephrologist

Dr Nicole Isbel MB BS, FRACP
Consultant Nephrologist

Dr. John Burke MB BS, FRACP
Visiting Consultant Nephrologist

Dr. James Petrie MB. ChB, MD, FRACP, FRCPE
Visiting Consultant Nephrologist

Dr. Andrew Bofinger MB BS (Hons), FRACP
Visiting Consultant Nephrologist

Renal Research Laboratory Scientists

Dr David Vesey BSc (Hons), PhD (London)
Senior Research Scientist, Renal Research Laboratory

Ms Catherine Cheung BSc (Hons)
Research Scientist, Renal Research Laboratory

Renal Research Fellows and Senior Renal Registrars

Dr Troy Kay MB BS
Senior Renal Registrar

Nursing Staff – Renal Unit

Research Nurses/ Data Manager

Kirsten Franzen BN RN PGDip Soc Sci (Health) PG Dip Public Health
Allison Brown RN Grad Cert Clinical Data Management
(Data Manager, Renal and Renal Transplant Unit)
Robyn Bailey BN RN
Sara Hatten-Masterson BN RN
Judith Freeman RN BN
Beth Beal RN BN
Susan Jones RN BN PGDip Renal Nursing

Current Research Activities

1. Clinical Trials

- a) A randomised, open-label, prospective controlled trial of multiple risk factor intervention on atherosclerosis, vasoreactivity and cardiac ischaemia in pre-dialysis and dialysis patients. LANDMARK Trial (Isbel N, Johnson DW, Marwick T).
- b) A randomised, open-label, prospective, controlled trial of oral versus intravenous iron in peritoneal dialysis patients. (MacGinley R, Herzig K, Kay TD, Isbel N, Gissane R, Hawley C, Campbell SC, Johnson DW).
- c) A randomised, open-label, prospective controlled trial of the effect of topical mupirocin on the rate of exit site infection and bacteraemia in haemodialysis patients with cuffed, tunnelled dialysis access catheters (Hollett P, MacGinley R, Kay TD, Isbel N, Hatten S, Hawley C, Campbell SC, Johnson DW).
- d) A prospective, non-controlled trial of the impact of troponin on peritoneal dialysis patient survival. (Johnson DW, Hawley CM, Campbell SB, Hickman P, Isbel N).
- e) A retrospective analysis of the impact of obesity on patient outcomes after renal transplantation. (Isbel N, Herzig KA, Hawley CM, Campbell SB, Nicol DL, Johnson DW).
- f) A retrospective analysis of the comparative safety and efficacy of azathioprine versus mycophenolate mofetil in elderly renal transplant recipients. (Isbel N, Herzig KA, Hawley CM, Campbell SB, Nicol DL, Johnson DW).
- g) A multivariate analysis of rejection rates in living versus cadaveric donor renal transplant patients. (Campbell SB, Isbel N, Hawley CM, Nicol DL, Johnson DW).
- h) A prospective trial of icodextrin as salvage therapy for peritoneal dialysis patients with refractory fluid overload (Johnson DW, Vincent K).
- i) A prospective comparison of the value of early versus late peritoneal equilibration tests in the assessment of peritoneal permeability in CAPD patients (Johnson DW, Vincent K).
- j) A comparison of peritoneal equilibration test results using 2 different dialysate glucose concentrations (Johnson DW, Vincent K).
- k) Determinants of residual renal function decline in peritoneal dialysis patients (Johnson DW, Vincent K).
- l) A study of the acquired Pelger-Huet anomaly complicating mycophenolate mofetil therapy in renal transplant recipients. (Kennedy G, Kay TD, Cobcroft R, Gill D, Isbel N, Hawley C, Campbell SB, Johnson DW).
- m) A prospective, non-controlled study of the role of memory T cells for Epstein-Barr virus in renal allograft rejection. (Johnson DW, Campbell SB, Franzen K, Burrows S).

1. Clinical Trials

(Cont'd)

- n) A retrospective analysis of post-renal transplant lymphoproliferative disorder. (Johnson DW, Campbell SB, Isbel N, Hawley CM, Herzig KA, Juffs H, Gill D).
- o) A cross-sectional study of the role of macrophage colony stimulating factor as a risk factor for atherosclerosis in patients with end-stage renal failure (Isbel N, Marwick T, Johnson DW).
- p) A cross-sectional study of the role of *Chlamydia pneumoniae* as a risk factor for atherosclerosis in patients with end-stage renal failure (Isbel N, Bartley P, Marwick T, Johnson DW).
- q) Genetic linkage studies of familial focal segmental glomerulosclerosis. (Rana K, Isbel N, Johnson DW, Buzza M, Dagher H, Savige J).
- r) Comparison of two separate histological classification systems for vascular rejection in predicting graft outcome following renal transplantation (MacGinley R, Johnson DW, Isbel N, Rigby R, Petrie JJ, Hawley SC, Campbell SB, Axelsen RA).
- s) An open-label, non-randomised evaluation of the stay•safe™ peritoneal dialysis system. (Vincent K, Johnson DW).
- t) Outcome in renal transplant recipients in relation to skin cancer: influence of genes mediating host response to UV-induced oxidative stress. (Ramsay HM, Fryer AA, Smith AG, Harden PN, Hawley C, Nicol D)
- u) Prevalence of skin cancer in renal transplant recipients (Ramsay HM, Hawley CM, Nicol D)
- v) Renal transplant rejection: effect of genes influencing oxidative stress (Ramsay HM, Fryer AA, Smith AG, Harden PN, Hawley C, Nicol D)
- w) Factors influencing long term outcome of hypertension in patients with fibromuscular dysplasia of the renal arteries. (Hawley CM, Bofinger A, Fisher P, Daunt N, Stowasser M, Gordon R.)

National and International Trials

- a) Initiation of Dialysis Early and Late (IDEAL) Trial (Johnson DW)
- b) A randomised Study of Novel Erythropoiesis Stimulating Protein (NESP) and Recombinant Human Erythropoietin (r-HuEPO) for Treatment of Anaemia in Predialysis Chronic Renal Failure Subjects (Johnson DW, Hawley CM, Isbel N, Rigby RJ, Herzig K) (Freeman J, Jones S)
- c) A Randomised Comparative Study of Novel Erythropoiesis Stimulating Protein (NESP) and Recombinant Human Erythropoietin (r-HuEPO) for Prevention of Anaemia in Patients with Chronic Renal Failure Receiving Dialysis (Hawley, CM, Johnson DW, Herzig K) (Freeman J, Jones S)

1. Clinical Trials

National and International Trials (Cont'd)

- d) An Open-Label Study of the Long-term Safety of Novel Erythropoiesis Stimulating Protein (NESP) Therapy With Chronic Renal Failure Receiving Dialysis Who Were Previously Enrolled in NESP Clinical Trials. (Hawley CM, Johnson DW, Isbel N, Herzig K) (Freeman J, Jones S)
- e) Evaluation of the Effect of Early Intervention with Epoetin alfa in Pre-Dialysis Patients (Hawley CM, Johnson DJ, Campbell SB, Rigby R, Isbel N, Herzig K) (Hatten-Masterson S, Jones S, Bailey R)
- f) An Open-Label extension study of the safety of long-term administration of Sirolimus in solid organ transplant recipients (Renal Transplant Unit Team) (Franzen K)
- g) A 1 year Double-Blind, Double-Dummy and 2 year open-label, randomised, multicentre, parallel group study of the efficacy and safety of SDZ RAD tablets versus Mycophenolate Mofetil as part of triple immunosuppressive therapy in de novo renal transplant recipients (Renal Transplant Unit Team) (Franzen, K)
- h) An open-label, non-randomised, multicentre phase II study evaluating the efficacy and safety of repeated administration of LF I5-0195 in patients with persistent or relapsing primary vasculitis (Isbel N, Johnson DW, Campbell SB) (Freeman J)
- i) Sevelamer Hydrochloride used in combination with conventional phosphate binders improves calcium phosphate balance. A randomised, open-label, prospective controlled trial of sevelamer in patients with ESRF. (Isbel N, Sturtevant J, Hawley C, Bailey R)
- j) Occult B12 deficiency contributes to hyperhomocysteinaemia in patients with end-stage renal failure (Isbel N, Sullivan M, Cowley M, Hawley C)
- k) A Pilot Study Evaluating Once Every Other Week Administration of Fixed Doses of Novel Erythropoiesis Stimulating Protein (NESP) to Subjects With Chronic Renal Insufficiency (Freeman J)
- l) Open-Label Study of Oral Sirolimus For Treatment of Refractory Solid Organ Allograft Rejection and Prophylaxis in Transplant Patients at Risk for Allograft Rejection in Whom Approved Agents are Contraindicated, Not Tolerated, or Ineffective (Renal Transplant Unit Team) (Franzen, K)
- m) A Phase II Open-Label, Concentration-Controlled, Randomised, 6-month Study of "Standard-Dose" Tacrolimus + Sirolimus + Corticosteroids Compared to "Reduced-Dose" Tacrolimus + Sirolimus + Corticosteroids in Renal Allograft Recipients (Renal Transplant Unit Team) (Franzen, K)
- n) "Combination Therapy with Prograf and Mycophenolate Mofetil (MMF); A Dose Tapering Investigation" (Renal Transplant Unit Team) (Franzen, K)
- o) An Observational, Long-Term, Multicentre Study of the Impact of Therapeutic Decision Making for Transplant Recipients Prescribed Neoral Under Conditions of Normal Clinical Practice (Renal Transplant Unit Team) (Franzen K)

1. Clinical Trials

National and International Trials (Cont'd)

- p) A Double-Blind, Randomised, Placebo-Controlled Study with Open-Label Dose Titration Phase to Assess the Safety and Efficacy of an Oral Calcimimetic Agent (AMG073) in Secondary Hypothyroidism of End-Stage Renal Disease (ESRD) Subjects (Hawley, C) (Bailey R)

2. Other Research (Renal Research Laboratory & Collaborative Basic Science Research)

- a) Mechanisms and manipulation of cyclosporin nephrotoxicity in an *in vitro* model of the human renal cortical tubulointerstitium (Vesey DA, Cheung C, Johnson DW).
- role of nitric oxide
 - role of angiotensin II
 - effect of angiotensin II blockade and HMGCoA reductase inhibition
- b) Mechanisms and manipulation of tubulointerstitial fibrosis in an *in vitro* model of the human diabetic nephropathy (Vesey DA, Cheung C, Johnson DW).
- role of nitric oxide
 - role of angiotensin II
 - effect of angiotensin II blockade and HMGCoA reductase inhibition
- c) Role of the L-arginine nitric oxide pathway in tubulointerstitial fibrogenesis (using interleukin-1 β stimulated human proximal tubule cells and renal cortical fibroblasts) (Vesey DA, Cheung C, Johnson DW).
- d) The role of proximal tubule mitogens (IGF-I, HGF, Angiotensin II) in the progression of renal cell carcinoma *in vitro* and *in vivo* (Cheung C, Vesey DA, Douglas ML, Johnson DW, Nicol DL).
- e) The role of macrophages and secreted interleukin-1 β in renal tubulointerstitial fibrosis (Vesey DA, Cheung C, Johnson DW)
- f) The myofibroblast as a target for controlling renal fibrosis using *in vitro* and *in vivo* models (Cuttle, Endre Z, Johnson DW, Gobe G).
- g) Caveolins in ischaemic acute renal failure (Cuttle, Endre Z, Johnson DW, Gobe G).

Funding

- 1a National Health and Medical Research Council Project Grant \$68,463 pa. 2000-2002
- 1 c-n, p-r, t-w Renal Research Trust Fund 2000
- 1 o Princess Alexandra Research and Development Foundation Grant 2000 (\$10,000)

Funding

Cont'd

- 1 s Fresenius Medical Care 2000 \$5,000
- 2 a-c, e National Health and Medical Research Council Project Grant \$70,000 pa. 2001-2004
- 2 a-c, e Vincent Fairfax Family Foundation Fellowship awarded by the Royal Australian College of Physicians 2000 \$35,000
- 2d Princess Alexandra Research and Development Foundation Grant 2000 (\$10,000)
- 2d National Health and Medical Research Council Postgraduate Research Scholarship 2001-2003 \$20,000 pa.
- 2g Australian Kidney Foundation Seeding Grant 2000 \$15,000

Publications

Publications which have appeared in 2000

1. Johnson DW, Herzig KA, Purdie D, Brown AM, Rigby RJ, Nicol DL, Hawley CM (2000). A comparison of dialysis versus renal transplantation on the survival of elderly uraemic patients. *Transplantation* 69(5): 794-9
2. Johnson DW, Bartley PB, Looke DFM, Nimmo GR (2000). Vancomycin-resistant enterococci: seek and ye shall find. *Medical Journal of Australia* 171: 42-42
3. Johnson DW, Walker R, Ibels L (2000). Peritoneal dialysis adequacy clinical practice guidelines. In: Knight J, Chu R, Smith J, Gerard J (ed.) *The CARI Guidelines*. Excerpta Medica Communications, Sydney, Australia
4. Johnson DW, Looke D, Sturtevant JM (2000). Treatment of peritoneal dialysis related peritonitis. *Australian and New Zealand Journal of Medicine* 30: 97
5. Johnson DW, Herzig KA (2000). Isolated tuberculous pyomyositis in a renal transplant recipient. *Nephrology Dialysis and Transplantation* 15:743
6. Kay TD, Hogan PG, McLeod SE, Johnson DW (2000). Severe, irreversible proximal renal tubular acidosis and azotaemia secondary to cidofovir. *Nephron* 86:348-349
7. Herzig KA, Falk MC, Jonsson JR, Axelsen RA, Griffin AD, Hawley CM, Rigby RJ, Cobcroft R, Nicol DL, Powell EE, Johnson DW (2000). Novel surveillance and cure of a donor-transmitted lymphoma in a renal allograft recipient. *Transplantation* 70(1): 149-52

Publications

Publications which have appeared in 2000

(Cont'd)

8. Johnson DW, Saunders HJ, Vesey DA, Qi W, Field MJ, Pollock CA (2000). Enalaprilat directly ameliorates in vitro cyclosporin nephrotoxicity in human tubulointerstitial cells. *Nephron* 86(4):473-81
9. Johnson DW (2000). Growth factors in progressive renal disease. *Nephrology* 5: 251-61
10. Johnson DW, Kay TD, Vesey DA, Isbel NM, Campbell SB, Hawley CM (2000). Peritoneal homocysteine clearance is inefficient in peritoneal dialysis patients. *Peritoneal Dialysis International* 20(6):766-772
11. Armstrong K, Kirkby-Bott J, Johnson DW (2000). Chest pain, syncope and Christmas puddings. *Lancet* 356: 1322
12. Johnson DW, Herzig KA, Purdie DM, Chang W, Brown AM, Rigby RJ, Campbell SB, Nicol DL, Hawley CM (2000). Is obesity a favourable prognostic factor in peritoneal dialysis patients? *Peritoneal Dialysis International* 20(6):715-721
13. Johnson DW (2000). The impact of peritoneal membrane transport on peritoneal dialysis prescription. In: Rahardjo P, Prodjosudjadi W, Susalit E (ed). *Proceedings of the 13th Asian Colloquium in Nephrology*. Ina SN/PERNEFRI, Jakarta, pp 134-147
14. Rice EK, Isbel NM, Becker GJ, Atkins RC, McMahon LP (2000) Heroin overdose and myoglobinuric acute renal failure. *Clin Nephrol*. 2000 Dec;54(6):449-54.
15. Lan HY, Yang N, Nikolic-Paterson DJ, Yu WQ, Mu W, Metz CN, Bucala R, Atkins RC (2000) Expression of macrophage migration inhibitory factor in human glomerulonephritis. *Kidney Int*. 2000 Feb;57(2):499-509.
16. Campbell SB, Komata T and Kelso A. Differential Effects of CD4 and CD8 engagement on the development of cytokine profiles of murine CD4+ and CD8+ T lymphocytes. *Immunology*. 2000; 99: 394-401.
17. Bofinger A, Hawley C, Fisher P, Daunt N, Stowasser M, Gordon R (2000) Alpha-1antitrypsin phenotypes in patients with renal arterial fibromuscular dysplasia. *J Hum Hypertens*. 14: 91-4.

Articles which have been accepted for publication

1. Herzig KA, Purdie DM, Chang W, Brown AM, Hawley CM, Campbell SB, Sturtevant JM, Isbel NM, Nicol DL, Johnson DW. Is C-reactive protein a useful predictor of outcome in peritoneal dialysis patients? *Journal of the American Society of Nephrology*

Articles which have been accepted for publication

(Cont'd)

2. Bartley PB, Johnson DW, Schooneveldt JM, Stackelroth J, Looke DF, Nimmo GR. The emergence of a clonal strain of *Enterococcus faecium vanA* in two Brisbane hospitals. *Journal of Hospital Infections*
3. MacGinley R, Bartley PB, Sloots T, Johnson DW. Epstein Barr virus encephalitis. *Nephrology Dialysis and Transplantation*
4. Johnson DW. Management of Tenckhoff exit sites. *Nephrology*
5. Johnson DW. Maintaining clearance in peritoneal dialysis. *Nephrology*
6. Kennedy R, Case C, Johnson DW, Isbel N, Marwick TH. Does renal failure cause an atherosclerotic milieu? An assessment of arterial function and structure with risk factors in end stage renal disease. *American Journal of Medicine*
7. Lane A, Johnson DW, Zhang XJ, Wei M, Cuttle L, Willgoss D, Winterford C, Endre Z, Gobe G. Myofibroblast apoptosis and growth factors in development and progression of renal tubulointerstitial fibrosis in the rat. *Journal of the American Society of Nephrology*
8. Johnson DW. Is anything new in dialysis? *Advances in Renal Medicine*. 5:13-15, 2001
9. Johnson DW. Mycophenolate mofetil for treatment of refractory lupus nephritis. *Internal Medicine Journal*
10. Johnson DW, Herzig KA, Gissane R, Campbell SB, Hawley CM, Isbel NM. A prospective cross-over trial comparing intermittent intravenous and continuous oral iron supplementation in CAPD patients. *Nephrology Dialysis and Transplantation*
11. Harris DCH, Johnson DW, Matthews T, Nichols K, Nankivell B, Gillin A. Prevention of chronic renal insufficiency clinical practice guidelines. In: Knight J, Chu R, Smith J, Gerard J (ed.) *The CARI Guidelines*. Excerpta Medica Communications, Sydney, Australia, 2001
12. Bofinger A, Hawley C, Fisher P, Daunt N, Stowasser M, Gordon R. *J Human Hypertension*
13. Jonsson JR, Hong C, Purdie DM, Hawley C, Isbel N, Butler M, Balderson GA, Clouston AD, Pandeya N, Sturart K, Edwards-Smith C, Crawford DH, Faxcett J, Powell EE. Tole of cytokine gene polymorphisms in acute rejection and renal impairment after liver transplantation. *Liver Transplantation*
14. Isbel NM, Nikolic-Paterson DJ, Hill PA, Dowling J, Atkins RC Local macrophage proliferation in Human glomerulonephritis correlates with renal M-CSF expression.NDT.
15. Isbel NM, , Hill PA, Foti R, Mu W, Hurst L, Stanbe C, Lan H, Atkins RC Nikolic-Paterson D Tubules are the major site of M-CSF production in experimental kidney diseases; correlation with local macrophage proliferation *Kidney Int*

Lectures and Presentations

Invited Lectures

1. "Peritoneal Dialysis Workshop," Canberra Hospital, 3-5 May 2000 (David Johnson)
2. "Infection control in renal units", Asia Pacific Forum in Nephrology, Auckland, New Zealand, June 20-22, 2000 (David Johnson)
3. "Is anything new in dialysis," Pfizer 5th Annual National Renal Symposium, Gold Coast, 16-18 June, 2000 (David Johnson)
4. "Biocompatibility," 19th Annual Peritoneal Dialysis Conference, Melbourne, 28-30 July, 2000 (David Johnson)
5. "Maintaining Clearance in Peritoneal Dialysis," Advanced Course in Nephrology, Bali, November 21-22, 2000 (David Johnson)
6. "Iron therapy in End-Stage Renal Failure," National Renal Nurses Conference, Brisbane, 28 October, 2000 (David Johnson)
7. "Latest Trends in Dialysis," Advanced Nephrology Workshop, Brisbane, 9 November 2000 (David Johnson)
8. "Dialysis Hypotheticals, Advanced Nephrology Workshop, Brisbane 9 November 2000 (David Johnson)
9. "The Impact of Peritoneal Membrane Transport on Peritoneal Dialysis Prescription", 13th Asian Colloquium in Nephrology, Bali, November 23-5, 2000 (David Johnson)
10. Early versus late start dialysis" Post-graduate Renal Nurses course 2000 (Isbel)
11. "Proliferative GN" College of Physicians lectures for basic trainees 2000(Isbel)
12. "Smarter Ways of treating Anaemia" Asia Pacific Forum in Nephrology 2000(Isbel)
13. "Controversies in renal medicine – when to start dialysis" College of Physicians Meeting (QLD) 2000(Isbel)
14. "Acute Renal Failure" Physician Training Program 2000. (Hawley)
15. "Glomerular Physiology and Tests of Renal Function ".Physician Training Program 2000. (Hawley)
16. Early versus late start dialysis" Post-graduate Renal Nurses course 2000 (Isbel)

Lectures and Presentations

Invited Lectures

(Cont'd)

17. "Proliferative GN" College of Physicians lectures for basic trainees 2000(Isbel)
18. "Delay Prevent Prepare" General Practice Seminar as part of the Renal Care and Support Programme 1999-2000(Isbel)
19. "Bone disease in renal failure". Advanced Nephrology Workshop, Brisbane, November 2000. (Hawley)

Presentations

1. Herzig K, Johnson DW, Purdie D, Hawley CM, Rigby RJ, Falk M, Nicol DL, Griffin A. A comparison of dialysis versus transplantation on the survival of elderly uraemic patients. Presented at the Annual Scientific Meeting of the Royal Australasian College of Physicians, 2000.
2. Vesey DA, Saunders HJ, Field MJ, Pollock CA, Johnson DW. Enalaprilat ameliorates cyclosporin nephrotoxicity in humans via direct tubulointerstitial effects. Presented at the 3rd International Symposium on Angiotensin II Antagonism, London, United Kingdom, 28th February – 2nd March, 2000.
3. Herzig KA, Purdie D, Chan W, Brown AM, Hawley CM, Campbell SB, Rigby R, Isbel N, Nicol DL, Johnson DW. Is C-reactive protein a useful predictor of patient outcome in peritoneal dialysis?. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
4. Herzig KA, Juffs, HG, Brown AM, Gill D, Hawley CM, Cobcroft R, Petrie JJ, Marlton P, Campbell SB, Rigby R, Thomson D, Isbel N, Nicol DL, Johnson DW. A single centre experience of post-transplant lymphoproliferative disorder. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
5. Vesey DA, Cheung C, Endre Z, Gobe G, Johnson DW. Interleukin-1 β stimulates extracellular matrix production by human proximal tubule cells via the nitric oxide pathway. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
6. Vesey DA, Cheung C, Endre Z, Gobe G, Johnson DW. Cyclosporin promotes human renal cortical fibroblast toxicity, extracellular matrix deposition and nitric oxide release. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.

Presentations

(Cont'd)

7. Lane A, Johnson DW, Zhang XJ, Cuttle L, Willgoss D, Winterford C, Endre Z, Gobe G. Relationship between myofibroblast apoptosis and growth factors in the pathogenesis of renal tubulointerstitial fibrosis. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
8. Rana K, Isbel N, Johnson DW, Buzza M, Dagher H, Savige J. Genetics of familial focal segmental glomerulosclerosis. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
9. MacGinley R, Bartley P, Schooneveldt J, Isbel N, Campbell SC, Hawley CM, Looke DF, Nimmo G, Johnson DW. Epidemiology and control of vancomycin-resistant enterococci in a renal unit. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
10. Herzig KA, Falk MC, Jonsson JR, Axelsen RA, Griffin AD, Hawley CM, Rigby RJ, Cobcroft R, Nicol DL, Powell EE, Johnson DW. Novel surveillance and cure of a donor-transmitted lymphoma in a renal allograft recipient. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
11. Brown FG, Nikolic-Paterson, Isbel NM, Bucala R, Metz C, Dowling JP, Atkins RC: Urinary macrophage Migration Inhibitory Factor (MIF) levels reflect renal inflammation in human GN. 36th Annual scientific Meeting, ANZSN, Melbourne, 2000
12. Rice EK, Isbel NM, Becker GJ, Atkins RC, McMahon LP: Heroin overdose and myoglobinuric acute renal failure. 36th Annual scientific Meeting, ANZSN, Melbourne, 2000
13. Rana K, Isbel NM, Johnson DW, Buzza M, Dagher H, Savige J: Genetics of Familial Focal Segmental Glomerulosclerosis (FSGS). 36th Annual scientific Meeting, ANZSN, Melbourne, 2000
14. Cheung C, Douglas ML, Nicol DL, Johnson DW. The role of insulin-like growth factor binding proteins in renal cell carcinoma progression. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
15. Kennedy R, Isbel N, Case C, Marwick T, Johnson DW. Does renal failure cause an atherosclerotic milieu? Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
16. Kay TD, Isbel N, Johnson DW. Peritoneal homocysteine clearance is inefficient in CAPD patients. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.

Presentations

(Cont'd)

17. Johnson DW, Herzig KA, Purdie D, Chang W, Brown AM, Campbell SB, Nicol DL, Hawley CM. Obesity is a favourable prognostic factor in peritoneal dialysis patients. Presented at the 36th Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
18. Bartley PB, Schooneveldt JM, Johnson DW, Stackelroth J, Looke D, Nimmo GR. The emergence of a clonal strain of *Enterococcus faecium van A* in two Brisbane hospitals. Presented at the Annual Scientific Meeting of the Australasian Society for Infectious Diseases, Leura NSW 15th-19th April 2000.
19. Harrison K, Stackelroth J, Crawford C, Johnson DW. The hidden costs of Vancomycin Resistant Enterococci management in an acute care facility. Australian Infection Control Association, May 2000
20. MacGinley R, Bartley P, Schooneveldt J, Isbel N, Campbell SC, Hawley CM, Looke DF, Nimmo G, Johnson DW. Epidemiology and control of vancomycin-resistant enterococci in a renal unit. Presented at the XXXVII ERA-EDTA Congress, Nice, France, 17th-20th September, 2000.
21. Vincent K, Johnson DW. Icodextrin – the Princess Alexandra Hospital experience. Presented at the 19th Annual Peritoneal Dialysis Conference, Melbourne, Australia, 28th-30th July, 2000.
22. Stowasser DA, Lynch T, Sturtevant J, Ford RF, Johnson DW, Brown AM, Maclean CM, Petrie GM. An evaluation of current prescribing processes in renal unit outpatients. Presented at the Society of Hospital Pharmacists' Association Biennial Clinical Conference, Gold Coast, Australia, 20th-22nd October, 2000.
23. Johnson DW. The impact of membrane transport characteristics on peritoneal dialysis prescription. 13th Asian Colloquium in Nephrology, Bali, November 21-26, 2001.
24. Nicol DL, Preston J, Griffin A, Johnson DW, Hawley C, Campbell SB. Kidneys from patients with small renal tumours – A novel donor source. Transplant Society of Australia and New Zealand Annual Scientific Meeting, Jindabyne, Australia, April 4-6, 2000.
25. Hawley C, Fisher PM, Bofinger AM, Daunt N, Stowasser M, Gordon RD. Single Centre Outcome Study of intervention in renal arterial fibromuscular dysplasia. Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.
26. Kerr PG, Harris D, Hawley C, Walker R. Novel Erythropoiesis stimulating protein (NESP) maintains haemoglobin in ESRD patients when administered once weekly or once every other week. Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology, Melbourne, 13th – 17th March, 2000.

Presentations

(Cont'd)

27. Ramsay H, Hawley C, Fryer A, Nicol D, Smith A, Harden P. Prevalence and Clinical Risk Factors in Renal Transplant Recipients in Queensland. Presented at the American Society of Nephrology meeting, Toronto October 2000.
28. Johnson D, Isbel N, Case C, Hawley CM, Marwick T. Does Uraemic cause an atherosclerotic milieu. Presented at the American Society of Nephrology meeting, Toronto October 2000.
29. Johnson D, Herzig K, Purdie D, Chan W, Brown A, Campbell S, Isbel N, Sturtevant J, Hawley C. Is C-Reactive Protein (CRP) a Useful predictor of outcome in Peritoneal Dialysis Patients? Presented at the American Society of Nephrology meeting, Toronto October 2000.
30. Woodcock J. Poster on Pre Dilution HDF compared to Post dilution HDF clearances of B₂, Urea, Phosphate. Presented at the Renal Society of Australasia meeting, Wellington March 2001.
31. Rogers R. Poster on Vitamin C Therapy. Presented at the Renal Society of Australasia meeting, Perth March 2000.
32. Birch S, Burke J, Lamont A, Hills B. Intradialysate Diffusion Rates in CAPD Patients, Peritoneal Dialysis International

Postgraduate Students

Ms Catherine Cheung (PhD)	Mechanism and manipulation of human renal growth.
Dr Tao Yan (PhD)	Targeting the myofibroblast as a therapeutic strategy for limiting renal fibrosis following cancer therapies.
Ms Betty Pat (PhD)	Molecular mechanisms involved in induction and control of renal fibrosis.

Awards to Staff Members

David Johnson	Australian Kidney Foundation Clinical Nephrology Research Award, presented at the Australian and New Zealand Society of Nephrology 36 th Annual Scientific Meeting 2000 University of Sydney Peter Bancroft Prize for best PhD thesis
Dr Karen Herzig	Royal Australasian College of Physicians Advanced Trainee Research Award 2000
Dr David Vesey	Merck Sharpe and Dohme Travel Scholarship to Angiotensin II Symposium, London, March 2000

Awards to Postgraduate Students

- Ms Catherine Cheung Best Laboratory Research Poster, Australian and New Zealand Society of Nephrology 36th Annual Scientific Meeting 2000
NHMRC Postgraduate Research Scholarship 2001-2003
- Dr Troy Kay Richard Kemp Prize for best oral presentation at the Qld RACP Advanced Trainees' Annual Scientific Meeting 2000
Australian and New Zealand Society of Nephrology Travel Grant 2000

Public Service Relevant to Research

David Johnson

- Initiation of Dialysis Early and Late (IDEAL) Steering Committee (Queensland Representative)
- Caring for Australians with Renal Impairment (CARI) Clinical Practice Guidelines Steering Committee Member 2000-
- Australian and New Zealand Dialysis and Transplant Association (ANZDATA) Registry Management Committee Member 2000-
- ANZDATA Registry Peritoneal Dialysis Advisory Committee Member 2000-
- Australian and New Zealand Society of Nephrology Representative on Dialysis Nephrology Transplant Committee 2001-
- Australian and New Zealand Society of Nephrology Representative on National Early Renal Impairment Task Force 2000-present
- Kidney Check Australia Taskforce Member 2000-present
- International Faculty Member, 13th Asian Colloquium in Nephrology 2000

Carmel Hawley

- Caring for Australians with Renal Impairment (CARI) Clinical Practice Guidelines: Member of Bone disease working party
- Committee member of Dialysis and Transplantation Subcommittee

Scott Campbell

- Caring for Australians with Renal Impairment (CARI) Clinical Practice Guidelines: Member of Transplant guidelines working party.

MEDICINE – Department of Respiratory Medicine

STAFF

Dr John G Armstrong
Dr David Fielding
Dr Craig Hukins
Dr Wayne Kelly
Assoc Professor Charles Mitchell
Margaret Dauth (Research Assistant)

RESEARCH PROJECTS

- < Combined pleural biopsy and pleuradesis in medical thoracoscopy
- < Home based pulmonary rehabilitation
- < Big Lung Trial – Multicentre study of NSCLC chemotherapy
- < VIP study – Extensive small cell lung cancer
- < Randomised – controlled trial evaluating use of CPAP at arbitrary pressure
- < Randomised – crossover trial assessing compliance with automated CPAP unit (ResMed Autoset)
- < Prevalence study of sleep disordered breathing in transport workers
- < Prevalence and longitudinal study of sleep disordered breathing in acute spinal injury
- < Prevalence of fibromyalgia in patients undergoing diagnostic polysomnography
- < *Emphysema: physiological predictors of intrinsic airways disease and correlation with outcomes from lung volume reduction surgery, inhaled steroids and pulmonary rehabilitation
- < Merck Sharp & Dohme study – Singulair
- < Bayer COPD study – Bay 19-8004
- < Bayer COPD study – Bay 12-8039
- < Altana Pharma study – Bay 9010/FK1 119
- < Randomised, double blind controlled study to evaluate the effect of adding Lypinol to inhaled corticosteroids in patients with symptomatic asthma

FUNDING

- < Merck Sharp & Dohme
- < Bayer COPD
- < Altana Pharma
- < *PAH Research & Development Foundation

PUBLICATIONS

Hukins CA, Mitchell IC, Hillman DR (2000). Radiofrequency tissue volume reduction of the soft palate in simple snoring. *Arch Otolaryngol Head Neck Surg*; 126 (5):602-6.

Mitchell C. Occupational asthma. In *Understanding Asthma – A Management Companion*. Ed. Walls R, Jenkins CR. MacLennan & Petty, pp153-159.

Mitchell C (2000). Environmental Tobacco Smoke: the scale and impact of gaseous and fine particle effects on health. *Indoor Air Quality; A report on health impacts and management options*. (ISBN 0 642 44667 9). Commonwealth Dept of Health and Aged Care.

Simpson RW, Williams G, Petroseshevsky A, Rutherford S, Mitchell C, Thalib L. Air quality and health risk studies in Brisbane. In *Air Pollution and Health Risk*. Ed: Beer T. CSIRO. Pp 79-90.

Rutherford S, Simpson R, Williams G, Mitchell C, McCall B. (2000): Relationships between environmental factors and lung function of asthmatic subjects in South East Queensland, Australia. *Journal of Occupational and Environmental Medicine*, 42(9):882-891.

PUBLISHED ABSTRACTS

Gibson P, Mitchell C, Bauman A, Henry R, Comino E, Robertson C, Laudau L, Ruffin R (2000): Asthma morbidity and management among adults in Australia, 1998. *Respirology*, 5 (Suppl) 2000, A27.

Jenkins C, Mitchell C, Scicchitano R, Rubinfeld A (2000): Adding formoterol is more effective and safer than doubling the dose of inhaled steroids in moderately severe asthma. *Respirology*, 5 (Suppl) A21.

O'Connor R, Gibson P, Jenkins C, Mitchell C, Peters M (2000): Development of a questionnaire for estimating adherence to asthma medication. *Respirology*, 5 (Suppl) A24.

Belavy D, Mitchell C, Eckert B (2000): Bronchial lability: FEV1 is better than PEF for the diagnosis of asthma. *Respirology*, 5 (Suppl) A19.

Mitchell C, Jenkins C, Scicchitano R, Rubinfeld A (2000): Adding formoterol is more effective and safer than doubling the dose of inhaled steroids in moderately severe asthma. *Am J Resp and Critical Care Med*, 3.2:A197.

Mitchell C, Bauman A, Henry R, Comino E, Robertson C, Gibson P, Laudau L, Ruffin R (2000): Trends in asthma morbidity and management among primary school aged children in Australia. *Am J Resp and Critical Care Med*, 3.2:A903.

PUBLISHED ABSTRACTS

(cont'd)

O'Connor R, Gibson P, Jenkins C, Mitchell C, Peters M. Development of a New Instrument for Predicting Adherence to Asthma Medication. Proc Euro Resp Soc 2000.

Thomson R, Armstrong J, Looke D (2000). Mycobacterium Kansasii in Queensland - 1988-99. *Respirology*, 5 (Suppl) A13.

Hopkins P, Fielding D, Solomos J, Steele R (2000). A combined diagnostic and pleuradesis role of medical thoracoscopy using frozen section. *Respirology*, 5, (Suppl) A55.

Hopkins P, Fielding D (2000). Audit of closed pleural biopsy leading to an algorithm for the management of pleural effusions using medical thoracoscopy. *Respirology*, 5 (Suppl) A56.

Eckert BW, Mitchell CA (2000). Histamine PC20 Extrapolation. *Chest* (letter) 117:2945.

Eckert BW (2000). Vital capacity manoeuvre in modified spirometry technique. *Respiratory Care* 44,12.

POSTGRADUATE STUDENTS

Dr Khoa Tran (Research Fellow)

Ms Chrisyantine Paramayuda (Master Student, Griffith University)

MEDICINE – Department of Rheumatology

Staff

Dr Phillip Vecchio	Director
Associate Professor Dr Ranjeny Thomas	Arthritis Foundation (Qld) Rheumatology Research Laboratory
Dr John Webb	Visiting Consultant Rheumatologist
Dr Martin Devereaux	Visiting Consultant Rheumatologist
Dr Heather Wisbey	Visiting Consultant Rheumatologist
Chris Downey	Research Nurse

CURRENT RESEARCH ACTIVITIES

Clinical Trials

- A 69 week active comparator controlled parallel group double blind extension study to assess the safety of MK-0663 in rheumatoid arthritis patients

Funding: Merck Sharp & Dohme (Australia) Pty Ltd

- Protocol for a multi-centre, double-blind, randomised, parallel group comparison study of the efficacy and safety over 6 months of therapy, and joint x-ray changes over 12 months of therapy of **Valdecoxib** 10mg and 20mg once daily and Diclofenac 75mg SR twice daily in treating the signs and symptoms of osteoarthritis of the knee and/or hip.

Funding: Searle Pharmaceuticals

- A multicentre randomised placebo-controlled phase III study comparing two doses and two dosing intervals of the fully human anti-TNF antibody D2E7 versus placebo administered over six months as subcutaneous injections in patients with rheumatoid arthritis;
and
- Health economic evaluation in conjunction with clinical trial DE011 comparing two doses and two dosing intervals of the fully human anti-TNF antibody D2E7 versus placebo administered over six months as subcutaneous injections in patients with rheumatoid arthritis.
- A multicentre open label continuation study with subcutaneous D2E7 for patients with rheumatoid arthritis who completed a preceding study with D2E7 and DE033 A Health Economic Evaluation Study

CURRENT RESEARCH ACTIVITIES

Clinical Trials (Cont'd)

- Prospective multi centre randomised, double blind, active comparator controlled parallel group study comparing the fully human monoclonal anti-TNF α antibody D2E7 given every second week with Methotrexate given weekly and the combination of D2E7 and Methotrexate administered over 2 years in patients with early rheumatoid arthritis (**PREMIER**)

and

- Health economic evaluation in conjunction with clinical trial DE013, a prospective multi centre randomised, double blind, active comparator controlled, parallel groups trial comparing the fully human monoclonal anti-TNF α antibody D2E7 given every second week with Methotrexate given weekly and the combination of D2E7 and Methotrexate administered over 2 years in patients with early rheumatoid arthritis (**PREMIER**)

Funding: Knoll Australia Pty Limited

- A 26-week multicentre, international, randomised, double-blind, double-dummy, placebo controlled, parallel group study of 2 doses of COX189 (200 and 400mg o.d.) in patients with rheumatoid arthritis using Naproxen (500mg b.i.d.) as comparator

Funding: Novartis Pharmaceuticals Australia Pty Ltd

PUBLICATIONS

Publications which have appeared in 2000

- Vecchio PC (2000) Strength of Methotrexate tablets (Letter to the Editor). Rheumatology 39(9) 1047

Abstracts which have been published

- Kubler P, Pillans P, Vecchio PC (2000) Osteoporosis-related therapeutic and investigative responses to patients on corticosteroids. Australia and New Zealand Journal of Medicine 30 545 (Abstract)

Articles which have been accepted for publication

- Mylonas AD, Harley D, Brown AM, Carthew TL, McGrath B, Purdie D, Pandeya N, Vecchio PC, De Looze FJ, Reymond E, Suhrbier A (2000) Systemic steroids in the treatment of Ross River virus-induced polyarthritis (in press)
- Landsberg P, Hogan P, Vecchio PC (2000) Psoriatic arthritis following prolonged immunosuppression with Cyclophosphamide. Australia and New Zealand Journal of Medicine (in press)

MEDICINE – Spinal Injuries Unit

Staff	Dr Tim Geraghty	- Director of Rehabilitation (Spinal Injuries)
	Dr William Davies	- Visiting Medical Officer
	Dr Susan Urquhart	- Senior Medical Officer
	Alison New	- Nurse Practice Co-ordinator
	Tricia Fronek	- Senior Social Worker
	Beth Baird	- Senior Physiotherapist
	Louise Bassingthwaighte	- Senior Occupational Therapist

Current Research Activities

Clinical Trials

Sleep disordered breathing in spinal cord injured patients – the contribution of central drive and respiratory muscle dysfunction in a short-term longitudinal study. Tran K, Hukins C, Geraghty TJ, Eckert B, Armstrong J

The comparison of Continuous Positive Airway Pressure (CPAP) with Flutter Treatment and Assisted Cough vs. Intermittent Positive pressure Breathing (IPPB), Vibrations and Assisted Cough in the Acute Spinal Cord Injured Patients. Geraghty T, Paratz J, Bayliss C, Vecchi S, Nitz J.

Shoulder pain and dysfunction in acute tetraplegia: a prospective study. Salisbury S, Low Choy N.

Other Research

Outcome of the Acute Abdomen in Patients with Spinal Cord Injuries. Wong C-H, Miller BJ, Cohen JR, Hall D, Geraghty TJ.

Longitudinal Tracking of Anxiety among People with Spinal Cord Injury who are Approaching Community Re-Entry. Kendall M, Dorsett P, Geraghty T.

Factors affecting continued use of Clean Intermittent Self - Catheterisation in Spinal Cord Injured Patients. Greenwell T, Douglas D, McTaggart P, Heathcote P, Geraghty T, Urquhart S, Davies W.

Staff knowledge, comfort and attitudes towards sexuality within a spinal cord injuries rehabilitation service. Fronek P, Booth S, Miller D, Kendall M, Geraghty T.

A review of the management of the neuropathic bowel in the Spinal Injuries Unit. New A, Johnstone R, Blight S, Miller D, Mortensen, Malt J, Boulton M.

Funding

The Spinal Injuries Unit Trust Fund provided financial assistance for the Sexuality study.

Lectures and Presentations

*Geraghty T.J. Advances in Pre-Hospital Care of Spinal Cord Injuries. International Conference on Pre-Hospital Emergency Care, Gold Coast, Australia, 23-27 August, 2000

*Campbell J, Bayliss C, Fronек P, Geraghty T. The Use of Community based SCI programs to assist in discharge planning for an elderly client with recurrent complications. International Medical Society of Paraplegia, 39th ASM, Sydney, 4th November 2000.

Middleton J, Tate RL, Geraghty T. Development of a Scale to Measure Self-Efficacy after SCI. International Medical Society of Paraplegia, 39th ASM, Sydney, 2-5 November 2000.

*Geraghty T, Urquhart S, Cripps R. Epidemiology of SCI in Queensland. Centre of National Research on Disability and Rehabilitation Medicine (CONROD) Conference - Spinal Injury Research 2000. Customs House, Brisbane, Queensland, 10/10/2000.

*Davies W. Pathophysiology and Management of Autonomic Dysreflexia. International Conference on Pre-Hospital Emergency Care, Gold Coast, Australia, 23-27 August, 2000

*Davies W. Acute management of Spinal Cord Injury. Rural Doctors Association, Feb 2000.

Postgraduate Students

Jones, Rachel Masters of Disability, Nepean University, NSW

Bassingthwaighte, Louise Graduate Certificate in Management, QLD Health/QUT, 1999/2000

Newgard, Ellen Grad. Diploma, Computing

Public Service Relevant to Research

Research Committee - Paraplegic and Quadriplegic Association of Queensland. T Geraghty

The SIU Database (supplying statistical information on SCI in Queensland to QHealth and Community organisations). S Urquhart

Chair, Review Panel: Survival after Spinal Cord Injury, Motor Accident Commissions of Australia. T Geraghty.

TRP/SPOT Reference Committee. T Geraghty, Fronек P

MEDICINE – Department of Vascular Medicine

Staff

Dr Harry Gibbs	Director Department of Vascular Medicine
Rebecca Hetherington	Senior Vascular Scientist
Amanda Spargo	Vascular Scientist
Ian Catchpole	Vascular Scientist
Michelle Roch	Research Assistant

Current Research Activity

1. Clinical Trials

- ◆ A Phase II Clinical Evaluation to Investigate the Safety and Efficacy of Topically Applied, Biologically Active, Milk-Derived Extract (BG011A) for the Treatment of Chronic Venous Leg Ulcers
- ◆ Oral thrombin inhibitor versus standard therapy (enoxaparin and warfarin) for venous thromboembolism. An international multicentre double-blind efficacy and safety study (THRIVE II)

Funding These clinical trials are fully funded.

2. Other Research

- ◆ The prevalence of bilateral deep venous thrombosis.
- ◆ A survey to assess the knowledge medical practitioners have of the venous system.
- ◆ The association between superficial thrombophlebitis and deep venous thrombosis of the lower limb.
- ◆ Spontaneous recanalisation following total occlusion of the internal carotid artery.
- ◆ Effect of hypercapnia on renal haemodynamics in normal healthy volunteers.

Publications

- ◆ Hetherington R, Smith K, Spargo A, Gibbs H. "Duplex findings in symptomatic carotid artery dissection". J Vasc Tech 2000; 24 (2): 101 – 104.

Articles accepted for Publication

- ◆ Hetherington R, Spargo A, Davies S, Gibbs H. "The prevalence of bilateral deep venous thrombosis". J Vasc Tech.

Lectures and Presentations

Australian Sonographers Association 7th National Conference, BRISBANE

** Scientific paper*

Rebecca Hetherington Duplex findings in unusual carotid pathologies.

** Workshop*

Rebecca Hetherington Ankle Brachial Indices

Poster

Amanda Spargo Venous outflow with bladder distension

Princess Alexandra Hospital PA Week, BRISBANE

Amanda Spargo Recanalisation of internal carotid artery occlusion evaluated with duplex ultrasound

Ultrasound Workshop, CAIRNS

- ◆ Rebecca Hetherington Unusual carotid pathology.
- ◆ Rebecca Hetherington Abdominal vascular ultrasound.
- ◆ Rebecca Hetherington Chronic venous insufficiency.

Ultrasound Workshop, TOWNSVILLE

- ◆ Rebecca Hetherington Unusual carotid pathology.
- ◆ Rebecca Hetherington Abdominal vascular ultrasound.
- ◆ Rebecca Hetherington Chronic venous insufficiency.

Australian and New Zealand Chapter of the International Society for Cardiovascular Surgery and Vascular Ultrasound Workshop, PERTH

Amanda Spargo Recanalisation of internal carotid artery occlusion evaluated with duplex ultrasound.

Lectures and Presentations

(Cont'd)

Australian and New Zealand Chapter of the International Society for Cardiovascular Surgery, PERTH.

Anticoagulation versus thrombolysis for upper extremity deep vein thrombosis
Harry Gibbs

Haematology Society of Australia Annual Scientific Meeting, PERTH.

Thrombolysis for venous thrombosis, Harry Gibbs

Society of Vascular Technology Annual Conference, ORLANDO, USA

The prevalence of bilateral DVT, Rebecca Hetherington

Ultrasound Workshop, BRISBANE

The swollen limb, Amanda Spargo

First World Wound Healing Congress, MELBOURNE

The vascular laboratory assessment of leg ulcers.
Harry Gibbs & Rebecca Hetherington

The Cardiac Society of Australia and New Zealand, MELBOURNE

The management of pulmonary embolism, Harry Gibbs

The International Union of Angiology World Congress, Ghent, BELGIUM

Anticoagulation in vascular medicine, Harry Gibbs

Middlemore Hospital, AUCKLAND

The role of the vascular laboratory, Harry Gibbs

Royal North Shore Hospital Grand Rounds, SYDNEY

The prevention of deep vein thrombosis, Harry Gibbs

Awards to Staff Members

Amanda Spargo

Best Poster Presentation : Venous outflow with bladder distension

Australian Sonographers Association 7th National Conference, BRISBANE

University of Queensland Department of Medicine

UQ CARDIOVASCULAR IMAGING GROUP

Staff

Prof T Marwick MBBS, PhD, FRACP, FACC, FESC
Colin Case MSc, Statistician and database supervisor (1999-)
Brian Haluska RDMS, Research Officer (1999-)
Rodel Leano BSc, Research Officer (2001-)
Leanne Short BSc, Research Assistant (1999-)
Satoshi Yuda MD, PhD, Post-doctoral fellow (2000-)

Current Research Activities

- 1) Quantification of echo techniques for detection of myocardial ischemia, using tissue Doppler techniques to measure myocardial strain and velocity. This has generated unique diagnostic approaches and further developments seek to use these techniques to access the response of myocardium to various metabolic interventions including insulin sensitizing agents.
- 2) Use of high frequency ultrasound to follow the progression of abnormal vascular structure and function. The unique aspect of this work is the use of developmental edge-tracking software for objective quantification of vessel dimensions. These studies focus on patients with diabetes and renal disease as well as patients with heart failure. We have two large-scale interventional studies in progress that examine factors influencing vascular function and thereby progression of atherosclerosis.
- 3) Evaluation of myocardial structure using ultrasound backscatter and tissue Doppler. Changes in the nature of the returning sound waves may be a marker of the underlying tissue characteristics. This work has been used to identify structural changes supporting the presence of a diabetic cardiomyopathy, as well as pre-clinical changes consistent with fibrosis in hypertensive patients
- 4) Evaluation of myocardial perfusion using contrast echocardiography. This work is unique in Australia and promises to offer a new tool to examine coronary patency and myocardial viability after heart attacks.
- 5) Assessment of myocardial viability
- 6) Use of echocardiography to improve clinical decision-making (mitral regurgitation, peripheral vascular disease).
- 7) New techniques of image display and recording to improve the efficiency of echocardiography and develop tele-echocardiography in Australia.

Funding

- 1) National Health and Medical Research Foundation of Australia
Eccles award (\$180,000)
Project grant - Progression of CAD in end-stage renal failure (\$80,000)
- 2) National Heart Foundation
Effects of aggressive risk factor intervention on myocardial ischemia and vascular anatomy and reactivity in advanced coronary artery disease (\$40,000)
- 3) Other bodies - PAH Foundation (\$10,000)
- 4) Multicenter studies;
NHMRC CTC: FIELD substudies on vascular structure and function (1999-) (\$10,000)
Bristol-Myers Squibb – OVERTURE study co-investigator (2000-) (\$50,000)
Servier – Ivabradine study (2000-) (\$10,000)

Publications

Publications which have appeared in 2000

4. Pasquet A, Lauer MS, Williams MJ, Secknus MA, Lytle B, Marwick TH. Prediction of global left ventricular function after bypass surgery in patients with severe left ventricular dysfunction: impact of preoperative myocardial function, perfusion, and metabolism. *Eur Heart J* 2000; 21:125-136.
5. Pasquet A, Armstrong G, Rimmerman C, Marwick TH. Myocardial Doppler velocity response to exercise correlates with independent evidence of ischemia by dual isotope SPECT. *Am J Cardiol* 2000;85:536-42.
6. Marwick TH. Assessment of myocardial perfusion by contrast echocardiography. *Coronary Artery Disease* 2000;11:201-2.
7. Armstrong G, Pasquet A, Fukamachi K, Cardon L, Olstad B, Marwick TH. Myocardial Strain: Validation of a New Myocardial Doppler Technique for Prediction of Regional Ischemia. *J Am Soc Echo* 2000;13:731-7.
8. Shaw LJ, Hachamovitch R, Heller GV, Marwick TH, et al. Noninvasive strategies for the estimation of cardiac risk in stable chest pain patients. The Economics of Noninvasive Diagnosis (END) Study Group. *Am J Cardiol* 2000;86:1-7.
9. Marwick TH. Cost effectiveness of Diagnostic Strategies for Coronary Artery Disease. *Eur J Echocardiography* 2000;1:22-31.
10. Dresing TJ, Blackstone EH, Pashkow FJ, Snader CE, Marwick TH, Lauer MS. Usefulness of impaired chronotropic response to exercise as a predictor of mortality, independent of the severity of coronary artery disease. *Am J Cardiol* 2000;86:602-9.
11. Grady TA, Chiu AC, Snader CE, Marwick TH, et al. Exercise-induced left bundle branch block and risk prognosis. *Cardiology Review* 2000

Publications which have appeared in 2000

(cont'd)

12. Marwick TH. Progress in stress echocardiography: Application to the evaluation of non-coronary heart disease. *Eur J Echo* 2000;1:171-179.
13. Adsett M, Marwick TH. Use of echocardiographic assessment of myocardial viability to guide management of patients with ischemic heart disease. *ACC Current Journal Review* 2000;9:68-71.
14. Wahi S, Haluska B, Leung D, Marwick TH. Exercise echocardiography predicts outcome in asymptomatic patients with severe aortic regurgitation. *Heart* 2000;84:606-614.
15. Spicer D, Marwick TH. Three-dimensional echocardiography: Research toy or clinical tool? *Heart Lung and Circulation* 2000;9:98-107.
16. Chan J, Wahi S, Cain P, Marwick TH. Anatomical M-mode: a novel technique for the quantitative evaluation of regional wall motion analysis during stress echocardiography. *Int J Card Imaging* 2000;16:247-255.
17. Marwick TH. The balance between speed and efficacy in stress echocardiography: Is earlier use of atropine the answer? *Eur J Echo* 2000;1:231-2.

Articles which have been accepted for publication

1. Kennedy R, Case C, Fathi R, Johnson D, Isbel N, Marwick TH. Does Renal Failure Cause an Atherosclerotic Milieu? An Assessment of Arterial Function and Structure with Risk Factors in End Stage Renal Disease. *Am J Med* 2001;110:198-204.
2. Cain P, Baglin T, Case C, Spicer D, Short L, Marwick TH. Application of tissue doppler to interpretation of dobutamine echocardiography: comparison with quantitative coronary angiography. *Am J Cardiol* 2001;87:525-531.
3. Cain P, Marwick TH, Case C, Baglin T, Dart J, Short L, Olstad. Assessment of long axis function during dobutamine echocardiography. *Clin Science* 2001;100:423-432.
4. Marwick TH, Case C, Sawada S, Rimmerman C, Brenneman P, Kovacs R, Short L, Vargo P, Lauer MS. Prediction of mortality using dobutamine echocardiography. *J Am Coll Cardiol* 2001;37:754-760.
5. Kennedy R, Case C, Fathi R, Johnson D, Isbel N, Marwick TH. Does Renal Failure Cause an Atherosclerotic Milieu? An Assessment of Arterial Function and Structure with Risk Factors in End Stage Renal Disease. *Am J Med* 2001;110:198-204.
6. Cain P, Baglin T, Case C, Spicer D, Short L, Marwick TH. Application of tissue doppler to interpretation of dobutamine echocardiography: comparison with quantitative coronary angiography. *Am J Cardiol* 2001;87:525-531.

Articles which have been accepted for publication

(cont'd)

7. Cain P, Marwick TH, Case C, Baglin T, Dart J, Short L, Olstad. Assessment of long axis function during dobutamine echocardiography. *Clin Science* 2001;100:423-432.
8. Marwick TH, Case C, Sawada S, Rimmerman C, Brennehan P, Kovacs R, Short L, Vargo P, Lauer MS. Prediction of mortality using dobutamine echocardiography. *J Am Coll Cardiol* 2001;37:754-760.
9. Kennedy R, Case C, Fathi R, Johnson D, Isbel N, Marwick TH. Does Renal Failure Cause an Atherosclerotic Milieu? An Assessment of Arterial Function and Structure with Risk Factors in End Stage Renal Disease. *Am J Med* 2001;110:198-204.
10. Cain P, Baglin T, Case C, Spicer D, Short L, Marwick TH. Application of tissue doppler to interpretation of dobutamine echocardiography: comparison with quantitative coronary angiography. *Am J Cardiol* 2001;87:525-531.
11. Cain P, Marwick TH, Case C, Baglin T, Dart J, Short L, Olstad. Assessment of long axis function during dobutamine echocardiography. *Clin Science* 2001;100:423-432.
12. Marwick TH, Case C, Sawada S, Rimmerman C, Brennehan P, Kovacs R, Short L, Vargo P, Lauer MS. Prediction of mortality using dobutamine echocardiography. *J Am Coll Cardiol* 2001;37:754-760.
13. Haluska B, Wahi S, Mayer-Sabik E, Roach-Isada L, Baglin T, Marwick TH. Accuracy, cost- and time-effectiveness of digital clips vs video-tape interpretation of echocardiograms in patients with valvular disease. *J Am Soc Echo* 2001;14:292-8.
14. Haluska B, Case C, Short L, Anderson J, Marwick TH. Effect of power Doppler and digital subtraction techniques on the comparison of myocardial contrast echocardiography with SPECT. *Heart* 2001; 85:549-55.
18. Fathi R, Marwick TH. Non-invasive tests of vascular structure and function: Why and how to perform them. *Am Heart J* 2001;141:694-703.
19. Marwick TH, Case C, Vasey C, Allen S, Short L, Thomas JD. Prediction of mortality using exercise echocardiography: A strategy for combination with the Duke Treadmill Score. *Circulation* 2001;103:2566-71
20. Hooper G, Yellowlees P, Marwick TH, et al. Telehealth and the diagnosis and management of cardiac disease. *J Telemed and Telecare* 2001 (in press)
21. Fathi R, Cain P, Nakatani S, Yu HCM, Marwick TH. Effect of tissue Doppler on the accuracy of novice and expert interpreters of dobutamine echocardiography. *Am J Cardiol* 2001 (in press)
22. Haluska B, Sutherland A, Case C, Kennedy R, Marwick TH. Automated Edge-Detection Technique for Measurement of Brachial Artery Reactivity: A Comparison of Concordance with Manual Measurements. *Ultrasound Med Biol* 2001 (in press)
23. Hoffmann R, Marwick TH, Poldermans D, et al. Refinements in Stress Echocardiographic Techniques Improve Interinstitutional Agreement in Interpretation of Dobutamine Stress Echocardiograms. *Eur Heart J* 2001 (in press)

Abstracts published in 2000

1. Pasquet A, Flachskampf F, Odabashian J, Thomas JD, Marwick TH. Can myocardial strain recognize myocardial viability during low dose dobutamine stress echo. *Eur J Echo* 2000
2. Haluska B, Adsett M, Anderson J, Marwick T. False positive contrast echo defects due to heterogeneity of regional backscatter is improved equally by power Doppler and digital subtraction with color coding. *Eur J Echo* 2000
3. Kennedy R, Case C, Johnson D, Marwick T. The atherosclerotic milieu of renal failure is caused by a high prevalence of vascular risk factors rather than renal impairment alone. *Eur J Echo* 2000
4. Wahi S, Mayer E, Baglin T, Homa D, Marwick T. Interpretation of digital clips reduces reading time without loss of accuracy versus video-tape interpretation in patients with valvular disease. *Eur J Echo* 2000
5. Pasquet A, Rimmerman C, Thomas JD, Marwick T. Is strain rate useful to quantitate exercise induced ischaemia?: a SPECT validation study. *Eur J Echo* 2000
6. Cain P, Short L, Dart J, Marwick T. Regional assessment by myocardial strain rate may offer a fully quantitative approach to dobutamine stress echo. *Eur J Echo* 2000
7. Cain P, Spicer D, Baglin T, Marwick T. Does stress echo have to be subjective? Comparison of a quantitative tissue Doppler approach and wall motion scoring with angiography *Eur J Echo* 2000
8. Wahi S, Chan J, Cain P, Marwick T. Measurement of segmental systolic thickening during dobutamine stress echo using anatomical M-mode correlates with wall motion analysis and significant coronary stenosis. *Eur J Echo* 2000
9. Marwick TH, Case C, Brenneman P, Allen S, Vasey C, Sawada S. Do Exercise and Dobutamine Echo Convey Equivalent Information About Risk of Death? *J Am Coll Cardiol* 2000.
10. Kennedy R, Case C, Johnson D, Isbel N, Marwick T. Does Renal Failure Cause Endothelial Dysfunction and Atherosclerosis? *J Am Coll Cardiol* 2000.
11. Haluska B, Jenkins M, Anderson J, Marwick T. Is Power Doppler Equivalent to Digital Subtraction With Color Coding for Interpretation of Myocardial Contrast Echo? Comparison With Dipyridamole Stress Perfusion Scintigraphy. *J Am Coll Cardiol* 2000.
12. Cain P, Baglin T, Case C, Marwick T. Quantification of Dobutamine Echo With Tissue Doppler Offers an Objective Means of Following Responses to Therapy and Progression of Coronary Artery Disease. *J Am Coll Cardiol* 2000.
13. Cain P, Chan J, Short L, Wahi S, Marwick T. Quantitation of Regional Left Ventricular Function During Dobutamine Echo Using Tissue Doppler is Independent of Image Quality. *J Am Coll Cardiol* 2000.

Abstracts published in 2000

(cont'd)

14. Cain P, Baglin T, Case C, Marwick T. Tissue Doppler During Dobutamine Echo Facilitates Accurate Quantification of Extent of Ischemia and Prediction of Multivessel Disease by Novice Readers. *J Am Coll Cardiol* 2000.
15. Cain P, Short L, Dart J, Spicer D, Garrahy P, Marwick T. Tissue Doppler vs Myocardial Strain Rate for Quantitative Assessment of Dobutamine Echo: Feasibility and Comparison With Angiography. *J Am Coll Cardiol* 2000.
16. Cain P, Baglin T, Case C, Marwick TH. Quantitation of the long axis during stress echo - which marker can best predict presence of coronary artery disease? *Eur Heart J* 2000
17. Cain P, Short L, Baglin T, Haluska B, Marwick TH. Do left ventricular loading conditions affect myocardial velocities during dobutamine stress echo? *Eur Heart J* 2000
18. Fathi R, Cain P, Khouri V, Marwick TH. Influence of myocardial tissue Doppler on the accuracy of dobutamine echocardiography in novices and experts. *Eur Heart J* 2000
19. Marwick TH, Haluska B, Short L, Cain P. Can tissue Doppler assessment of long axis function be used as a marker of left ventricular contractile reserve? *Eur Heart J* 2000
20. Fathi RB, Khoury V, Cain P, Marwick TH. What strategy should be used to integrate tissue Doppler with wall motion analysis at dobutamine echocardiography? *Circulation* 2000
21. Marwick TH, Case C, Vasey C, Allen S, Lauer MS, Thomas JD. Prediction of mortality with exercise echocardiography: Is there an incremental benefit over the Duke treadmill score. *Circulation* 2000.
22. Hoffmann R, Poldermans D, van der Meer P, Lethen H, Tries HP, Ciani R, Gianfagna P, Katz A, Erbel R, Hanrath P, Marwick TH. Maturing of stress echocardiography: Improved intercenter agreement on interpretation of dobutamine stress echocardiograms using new techniques. *Circulation* 2000.
23. Cain P, Short L, Marwick TH. Combination of long axis and radial myocardial velocity offers a new quantitative parameter of regional ventricular function, independent of segment location. *Circulation* 2000.
24. Cain P, Spicer D, Baglin T, Lim R, Marwick TH. Tissue Doppler response to dobutamine correlates with recovery of regional dysfunction over follow-up. *Circulation* 2000.
25. Cain P, Spicer D, Baglin T, Napier S, Garrahy P, Marwick TH. Tissue Doppler is a robust test for quantifying dobutamine stress echo: Derivation and validation in 231 patients. *Circulation* 2000.

Abstracts published in 2000

(Cont'd)

26. Fathi RB, Khoury V, Cain P, Katsuki K, Nakatani S, Marwick TH. Have recent technical advances in stress echo altered the learning curve? *Circulation* 2000.
27. Haluska B, Short L, Cain P, Marwick TH. Resting and stress tissue Doppler assessment of long axis function predicts contractile reserve in patients with mitral regurgitation. *Circulation* 2000.
28. Marwick TH, Haluska B, Short L, Lim R, Garrahy P. Prediction of TIMI flow using ECG analysis and contrast echo in acute infarction. *Circulation* 2000.

Lectures and Presentations

Professor Tom Marwick

"Stress echocardiography limitations: Subjectivity and the need for quantitation"; "Myocardial contrast perfusion imaging", Case review and demonstrations; **(Faculty)** American College of Cardiology extramural meeting, Ft Lauderdale, Florida; February 2000.

"*Noninvasive Testing for Coronary Artery Disease Which Test to Use and When? Stress echocardiography*"; *Stress Echocardiography – Meet the expert.* **(Faculty)** American College of Cardiology 47th Annual Scientific Session, Atlanta, Georgia; March, 2000.

"*Challenges in echocardiography*". **(Faculty)** Natl Heart Foundation/CSANZ meeting. Brisbane, Australia

"*Stress echo and stress nuclear – Are they complementary or competitive?*"; **(Faculty)** Port Douglas Heart meeting, May 2000, Port Douglas.

"*Timing of surgery in valvular regurgitation*" **(Faculty)** ASEANZ CV and Lipid Forum, May 2000, Melbourne.

"*Who should undergo stress echo?*"; "*Diastolic dysfunction during exercise*". **Plenary sessions** American Society of Echocardiography, June 2000, Chicago, USA.

"*Myocardial viability – How should it be identified and is it important?*"; "*Determining role of stress echo in determining timing of valve replacement*"; "*Assessment of myocardial viability with stress echo*" **Plenary sessions** Annual scientific meeting of the Cardiac Society of New Zealand, June 2000, Rotorua, New Zealand.

"*Tissue Doppler – colorful toy or new physiologic signal?*"; "*Role of stress echo in risk stratification of IHD*"; "*Myocardial viability – echo vs perfusion*"- **Plenary sessions** ASEAN Congress of Cardiology, June 2000, Singapore.

"*Value of echocardiography in determining timing of valve surgery*"; "*Assessment of the failing heart*"; "*Timing of surgery in mitral regurgitation*" **Plenary sessions** Cardiac Society of Australia and New Zealand annual scientific meeting, August 2000 Melbourne, Australia.

Lectures and Presentations

Professor Tom Marwick

(Cont'd)

"Risk stratification in patients scheduled for noncardiac surgery", "Lessons learned from DECREASE", "Visual and numerical methods for quantification of echo"- Symposia **(Faculty)** 22nd Congress of the European Society of Cardiology, August 2000, Amsterdam, Netherlands

"New insights in Assessment of CAD" (moderator); Stress Echo Diagnosis/Prognosis – Echo and CAD symposium. **(Faculty)** 73rd American Heart Association Scientific meeting, November 2000, New Orleans, USA

"Current clinical status of stress echo"; "Quantitative stress echocardiography"; Moderator, moderated poster display **(Faculty)**. Euroecho, 4th annual meeting, Lisbon, Portugal, Dec 2000.

"Myocardial viability: Echocardiography vs Competing Technologies" **(Faculty)**; "Assessing and quantifying LV function and volumes – Which test and When?" **(Faculty)**; "Should all patients with an abnormal stress imaging study undergo coronary angiography?" **(Co-chair)** American College of Cardiology 48th Annual Scientific Session, Orlando, Florida; March, 2001.

"Stress echocardiography". Echo basics and beyond **(Faculty)** The Prince Charles Hospital, Brisbane; March 2001

"The maturation of stress echocardiography: Diagnostic tool to prognostic insight". **(Faculty)** Natl Cardiology Weekend, Hamilton Island; April 2001

"Effects of intensive control of cardiac risk factors on heart and blood vessel function in coronary artery disease". **(Faculty)** Natl Heart Foundation/CSANZ meeting. Brisbane. April 2001

"Research – How to obtain grants and post-doctoral fellowships" Cardiovascular Registrars Research Forum, Melbourne. May 2001

"Cardiac function" **(Chair)**; "Taking the eyeball out of stress echo" ; "Comparative modalities for assessment of viable myocardium" **(Faculty)** Port Douglas Heart meeting, May 2001, Port Douglas.

"The need to quantitate in stress echocardiography"; "Tissue Doppler methods"; "Assessment of myocardial viability" **(Faculty)** World Congress of Echocardiography and Vascular Ultrasound, May 2001, Seoul, Korea.

"Pulmonary hypertension" **(Chair)** ASEANZ CV and Lipid Forum (Organizing committee), June 2001, Melbourne.

"Satellite symposium – Assessment of left ventricular function" **(Organizer)**; Stress echocardiography research **(Chairman)**. American Society of Echocardiography, June 2001, Seattle, USA.

Postgraduate Students

Dr Peter Cain MBBS PhD student (1999-2002).
Dr Robert Fathi MBBS PhD student (2000-2003).
Dr Ofelia Najos MD Masters student (2000).

Awards to Staff Members

Prof T Marwick:

Eccles award, NHMRC
Nominee, Excellence in Clinical Teaching Award, UQ Medical School.

Peter Cain:

NHMRC scholarship 2000-2

Title of project: "Use of myocardial Doppler velocity and strain velocity to enhance detection of CAD with stress echocardiography"

Robert Fathi:

Henkler Foundation Fellowship 2000-1

Title of project: "Use of myocardial Doppler velocity and strain velocity to enhance detection of CAD with stress echocardiography"

Public Service Relevant to Research

Professor Tom Marwick

Grant/promotions Reviewer

NHMRC, reviewer (1999,2000),
NHF, Member (1999) and Chair (2000) RGIC
Mayo Clinic, Rochester, MN, USA (1999, 2000)
University of Leuven, Belgium (2000)

Committees:

Scientific Committee, World Congress of Cardiology 2002
Echo guidelines committee, Cardiac Society of Aust NZ
Chair, Southern Clinical School Research Committee
Health Sciences Faculty Research Committee

Public Service Relevant to Research

Professor Tom Marwick

Editorial reviewer:

(Cont'd)

Annals of Internal Medicine (2000-)
American Journal of Cardiology (1994-)
American Journal of Cardiac Imaging (1996-)
American Journal of Medicine (1997-)
American Heart Journal (1995-), *Editorial Board (1996-), Guest editor (1997)*
Annals of Thoracic Surgery (1996-)
British Heart Journal/Heart (1993-)
Circulation (1990-) and Circ Research (1996-),
Cleveland Clinic Journal of Medicine (1990-)
Coronary Artery Disease (1996-)
European Heart Journal (1991-)
European Journal of Echocardiography (1999-), *Editorial Board (1999-)*
Journal of Applied Physiology (1990-)
Journal of the American College of Cardiology (1990-), *Editorial Board (1999-)*
Journal of the American Medical Association (2000-)
Journal of the American Society of Echocardiography (1994-), *Editorial Board (2001-)*
Lancet (2000-)
Western Journal of Medicine (1996-)

Annual Scientific sessions reviewer:

American College of Cardiology (1995-)
American Heart Association (1996-)
American Society of Echocardiography (1996-)
American Heart Association (1996-)
Cardiac Society of Australia & NZ (2000-)

UQ GERIATRIC RESEARCH LABORATORY

Staff

Group Staff

George Mellick	(Research Fellow)
Peter Silburn	(Consultant Neurologist)
Daniel Buchanan	(PhD student)

Associate Investigators

Jonathan Chalk	(Senior Lecturer, Department Medicine)
Richard Boyle	(Director, Department Neurology)

Current Research Activities

Our group is interested in all aspects of the genetics of Parkinson's disease (PD). We have established and are expanding an extensive library of DNA from PD patients throughout Queensland and carefully selected unaffected individuals. Specific research areas of interest include (1) the use of single nucleotide polymorphisms to discover genetic risk factors for sporadic PD (2) the genetic characterisation of molecular pathways thought to be involved in the pathogenesis of PD and (3) the characterisation of familial forms of PD.

Funding

Geriatric Medical Foundation of Queensland	\$ 50,000
Parkinson's Queensland Incorporated	\$ 15,000
Public Donations	\$ 10,000

Publications

- Taylor MC, Le Couteur DG, Mellick GD, Board PG (2000) Paraoxonase polymorphisms, pesticide exposure and Parkinson's disease in a Caucasian population J Neural Transm 107(8-9) 979-983
- Mellick GD, Silburn PA (2000) The ubiquitin carboxy-terminal hydrolase-L1 gene S18Y polymorphism does not confer protection against idiopathic Parkinson's disease Neurosci Lett 293(2) 127-130
- McCann SJ, McManus ME, Johnson AG, Mellick GD, Le Couteur DG, Pond SM (2000) The serotonin transporter gene and Parkinson's disease Eur Neurol 44(2) 108-111
- Chan DK, Mellick G, Cai H, Wang XL, Ng PW, Pang CP, Woo J, Kay R (2000) The alpha-synuclein gene and Parkinson disease in a Chinese population Arch Neurol 57(4) 501-503

Publications

(cont'd)

- Foster KA, Mellick GD, Weiss M, Roberts MS (2000) An isolated in-situ rat head perfusion model for pharmacokinetic studies *Pharm Res* 17(2) 127-134
- Mellick GD, Buchanan DD, Silburn PA, Chan DK, Le Couteur DG, Law LK, Woo J, Pang CP (2000) The monoamine oxidase B gene GT repeat polymorphism and Parkinson's disease in a Chinese population *J Neurol* 247(1) 52-55

Abstracts

- Mellick GD, Silburn PA, Prince JA, Brookes AJ (2001) SNPs, Mitochondrial Complex I genes and Parkinson's disease: Can a comprehensive pathway approach to association studies reveal important clues to aetiology? Human Genetics Society Australasia Meeting Cairns July 2001-06-13
- Buchanan DD, Silburn PA, Chalk J, Mellick GD (2001) The Transferrin Receptor Gene polymorphism (Gly142Ser) in Australian Parkinson Disease patients. Bioiron Cairns August 2001.
- Mellick GD, Le Couteur DG, Boyle RS, Silburn PA. (2000). A re-examination of dopamine transporter genotypes in Australian Parkinson's disease patients. P54 Annual Scientific Meeting, Australian Association of Neurologists, Melbourne, May 2000.
- Mellick GD, Le Couteur DG, Boyle RS, Silburn PA. (2000). A re-examination of dopamine transporter genotypes in Australian Parkinson's disease patients. *Mov Disord* 15 (supp3) P928 (Sixth Int Congress of Parkinson's disease and Movement Disorders, Barcelona, June 2000.

Postgraduate Students

Daniel Buchanan (PhD Student)

STAFF

Dr Michael Stowasser	Director, Hypertension Unit Senior Lecturer, University Dept Medicine
Thanuja Gunasekera	Research Assistant
Diane Cowley	Hypertension Nurse

CURRENT RESEARCH ACTIVITIES

1. Clinical Trials

- (i) A double-blind, randomized, active-controlled comparison study of the antihypertensive effect of eplerenone versus amlodipine in patients with elevated systolic blood pressure.
- (ii) A double-blind, randomized, placebo-controlled, multicenter, flexible dose study to evaluate the efficacy and safety of Viagra (sildenafil citrate) in males with erectile dysfunction and arterial hypertension who are taking multiple antihypertensive treatment.

2. Other Research

- (i) Genetic and therapeutic aspects of familial hyperaldosteronism types I and II.
- (ii) Non-BP dependent adverse cardiovascular effects and genetic aspects of aldosterone excess.
- (iii) Biochemical, structural and functional effects of treating fibrosis in hypertensive heart disease.
- (iv) Effects of renin angiotensin system blockade on the progression of hepatic fibrosis.
- (v) Genetic studies in Gordon's syndrome.

FUNDING

1. Clinical Trials

- (i) Pharmacia - \$23,000
- (ii) ICON Clinical Research - \$36,000

FUNDING

(Cont'd)

2. Other Research

- (i) National Heart Foundation of Australia - \$100,824
Sylvia and Charles Viertel Charitable Foundation - \$60,500
University of Queensland (Start up Fund) - \$10,000

PUBLICATIONS

Publications Which Have Appeared in 2000

1. Bofinger AM, Stowasser M, Gordon RD (2000) Alpha-1 antitrypsin levels and phenotypes in patients with fibromuscular dysplasia. *J. Hum. Hypertens.* 14 91-94
2. Stowasser DA, Staatz CE, Stowasser M, Coombes JA, Collins DM (2000) Identifying drug-related readmissions: Is there a better way of assessing the contributing of adverse medication events? *Aust. J. Hosp. Pharm.* 30 47-53
3. Stowasser M, Bachmann AW, Huggard PJ, Rossetti TR, Gordon RD (2000) Severity of hypertension in familial hyperaldosteronism type I: relationship to gender and to degree of biochemical disturbance. *J. Clin. Endocrinol. Metab.* 85 2160-2166
4. Stowasser M. How common is adrenal-based mineralocorticoid hypertension? (2000) *Curr. Opin. Endocrinol. Diab.* 7 143-150
5. Stowasser M, Bachmann AW, Huggard PJ, Rossetti TR, Gordon RD (2000) Treatment of familial hyperaldosteronism type I: only partial suppression of hybrid gene required to correct hypertension. *J. Clin. Endocrinol. Metab.* 85 3313-3318
6. Stowasser M, Gordon RD (2000) Primary aldosteronism: learning from the study of familial varieties. *J. Hypertens.* 18 1165-76
7. Lafferty AR, Torpy D, Stowasser M, Taymans SE, Lin JP, Huggard P, Gordon RD, Stratakis CA (2000) A novel genetic locus for low-renin hypertension: familial hyperaldosteronism type-II maps to chromosome 7 (7p22). *J. Med. Genet.* 37 831-835
8. Stowasser M (2000) Primary aldosteronism - revival of a syndrome. *J. Hypertens.* 18 363-366
9. Benn DE, Dwight T, Richardson AL, Delbridge L, Bambach CP, Stowasser M, Gordon RD, Marsh DJ, Robinson BG (2000) Sporadic and familial pheochromocytomas are associated with loss of at least two discrete intervals on chromosome 1p. *Cancer Res.* 60 7048-7051

Articles Which Have Been Accepted for Publication

1. Gordon RD, Rutherford JC, Stowasser M. Primary aldosteronism: are we diagnosing and operating on too few patients? *World J. Surg.*
2. Stowasser M, Gordon RD. Prevalence and diagnostic workup of primary aldosteronism. *Nephrology*
3. Stowasser M. New perspectives in the role of aldosterone excess in cardiovascular disease. *Clin. Exper. Pharmacol. Physiol.*
4. Stowasser M. Primary aldosteronism: rare bird or common cause of secondary hypertension? *Curr. Hypertens. Reports.*
5. Stowasser M, Gordon RD. Familial hyperaldosteronism. *J. Steroid Biochem. Molec. Biol.*
6. Bofinger A, Hawley C, Fisher P, Daunt P, Stowasser M, Gordon. Polymorphisms of the renin-angiotensin system in patients with multifocal renal arterial fibromuscular dysplasia.

Abstracts Which Have Been Published

1. Stowasser M, Taylor WL, Daunt N, Slater GJ, Rossetti TR, Gordon RD (2000) Clinical, biochemical and radiological overlap between familial hyperaldosteronism types I and II: importance of genetic testing. *J. Hypertens.* 18 (suppl 4) S5
2. Stowasser M, Zhuo J, Ohishi M, Mendelsohn FAO, Gordon RD (2000) Angiotensin II receptors in angiotensin II -responsive and angiotensin II-unresponsive aldosterone-producing adenoma. *J. Hypertens.* 18 (suppl 4) S61
3. Stowasser M, Gunasekera TG, Gordon RD (2001) Relationship of hypertension severity to hybrid gene crossover point in familial hyperaldosteronism type I. *J. Hypertens.* 19 (suppl 2) S164

LECTURES AND PRESENTATIONS

Presentations

**(Asterisk refers to invited presentations)*

- 1.* Familial hyperaldosteronism type I - a stolen purse, a family curse, hormonal hypertension reversed. Seminar for the University of Queensland School of Pharmacy, Brisbane, March 2000.

LECTURES AND PRESENTATIONS

Presentations

(Cont'd)

- 2.* Familial varieties of primary aldosteronism. University of Qld Cardiovascular Researchers Forum, Brisbane, April 2000.
- 3.* The diagnosis and management of primary aldosteronism. Pfizer Queensland Cardiology Weekend, South Stradbroke Island, May 2000.
- 4.* Curable or specifically treatable hypertension. 40th Annual Princess Alexandra Hospital Week, Brisbane, July 2000.
5. Clinical, biochemical and radiological overlap between familial hyperaldosteronism types I and II: importance of genetic testing. 18th Scientific Meeting of the International Society of Hypertension, Chicago, August 2000.
- 6.* Is aldosterone a culprit in causing cardiovascular injury? (workshop session). 18th Scientific Meeting of the International Society of Hypertension, Chicago, August 2000.
- 7.* Australian Hypertension Guidelines. Society of Hospital Pharmacists of Australia Biennial Clinical Conference, Gold Coast, October 2000.
- 8.* Primary aldosteronism - gaining insights from the study of familial forms. 22nd Scientific Meeting of the High Blood Pressure Research Council of Australia, Sydney, December 2000.
9. Relationship of hypertension severity to hybrid gene crossover point in familial hyperaldosteronism type I. 22nd Scientific Meeting of the High Blood Pressure Research Council of Australia, Sydney, December 2000.

Poster Presentations

1. Stowasser M, et al. Angiotensin II receptors in angiotensin II -responsive and angiotensin II-unresponsive aldosterone-producing adenoma. 18th Scientific Meeting of the International Society of Hypertension, Chicago, August 2000.
2. Stowasser M, et al. Primary aldosteronism - learning from the study of familial forms. Satellite meeting to the 4th International Meeting of the Society for Cardiovascular Endocrinology and Metabolism, Cairns, October 2000.

PUBLIC SERVICE RELEVANT TO RESEARCH

Dr Michael Stowasser

1. President, Queensland Hypertension Association
2. Member, Executive Committee and Membership Subcommittee, High Blood Pressure Research Council of Australia
3. Member, Editorial Board, *Journal of Hypertension*
4. Member, Editorial Board, *Clinical and Experimental Pharmacology and Physiology*
5. Manuscript Assessor for *Journal of Hypertension*, *Clinical and Experimental Pharmacology and Physiology*, *Journal of Clinical and Endocrinological Metabolism* and *Journal of Endocrinological Investigation*.
6. Member, Blood Pressure Advisory Committee, National Heart Foundation
7. Member, Hospital Advisory Committee, Greenslopes Private Hospital
8. Member, Judging Panel for the Foundation for High Blood Pressure Research Young Investigator Travel Awards
9. Grant Assessor for the National Heart Foundation of Australia, National Health and Medical Research Council of Australia and Medical Research Council (UK).

UQ METABOLIC RESEARCH UNIT

Senior Staff

Associate Professor Ross Cuneo
Jennifer Wallace

Research staff

Dr Edward Pratt
Carmen McNaught

Current Research Activities

Clinical Trials

"Ageing, Sarcopaenia, Training, and the Growth Hormone Axis" with researchers at Griffith University.

Funding

1. Regulation and Effect of the Growth Hormone, IGF-I and IGF-I Binding protein in response to acute exercise
 - NHMRC grant of \$335,000 over the period 2000-2002.
 - Princess Alexandra Research and Development Foundation grant of \$8,000.
 - Princess Alexandra Women's Auxillary Defibrillator grant of \$16,000
2. Ageing, Sarcopaenia, Training and the Growth Hormone Axis
 - Princess Alexandra Research and Development Foundation grant of \$10,000.

Publications

Papers published in 2000

1. Wallace JD, Cuneo RC, Lundberg PA, Rosén T, Jørgensen JOL, Longobardi S, Keay N, Saccà L, Christiansen JS, Bengtsson B-Å, Sönksen P (2000) Responses of markers of bone and collagen turnover to exercise, growth hormone (GH) administration and GH withdrawal in trained adult males J Clin Endocrinol Metab 85(1) 124-133.
2. Dall R, Longobardi S, Ehrnborg C, Keay N, Rosén T, Jørgensen JOL, Cuneo RC, Boroujerdi MA, Cittadini A, Napoli R, Christiansen JS, Bengtsson B-Å, Saccà L, Baxter RC, Basset EE and Sönksen P on behalf of the GH-2000 Study Group (2000) Growth hormone (GH) effects on bone and collagen turnover in healthy adults and its potential as a marker of GH abuse in sports. J Clin Endocrinol Metab 85(4) 1505-1512
3. Wallace JD, Cuneo RC (2000) Growth hormone abuse in athletes: a review. The Endocrinologist 10(3) 175-184.

Publications

Papers published in 2000

(Cont'd)

4. Wallace JD, Cuneo RC (2000) Growth hormone and sport Int Growth Monitor 10(2) 2-6
5. Dall R, Longobardi S, Ehrnborg C, Keay N, Rosèn T, Jørgensen JOL, Cuneo RC, Boroujerdi MA, Cittadini A, Napoli JS, Christianse JS, Bengtsson B-Å, Sacca L, Baxter RC, Basset EE and Sönksen P on behalf of the GH-2000 Study Group (2000) The Effect of four weeks of supra-physiological growth hormone administration on the IGF-axis in women and men J Clin Endocrinol Metab 85(11) 4193-4200

Articles which have been accepted for publication

1. Wallace JD Cuneo RC, Bidlingmaier M, Lundberg PA, Carlsson L, Boguszewski CL, Hay J, Healy ML, Napoli R, Dall R, Rosèn T, Strasburger CJ The response of molecular isoforms of growth hormone (GH) to acute exercise in trained adult males J Clin Endocrinol Metab In Press
2. Wallace JD Cuneo RC, Bidlingmaier M, Lundberg PA, Carlsson L, Boguszewski CL, Hay J, Boroujerdi M, Cittadini A, Dall R, Rosèn T, Strasburger CJ Changes in non-22-kilodalton (kDa) isoforms of growth hormone (GH) after administration of 22kDa recombinant human GH in trained adult males J Clin Endocrinol Metab In Press
3. Norman RJ, Kidson WJ, Cuneo RC, Zacharin M, on behalf of the Endocrine society of Australia, the Australian Diabestes Society and the Australasia Paediatric endocrine Group Metformin and intervention in polycystic ovary syndrome The Medical Journal of Australia In Press

Abstracts which have been published

1. Cuneo RC (2000) Challenging Pituitary Cases: A case-based approach symposium session Proceedings of ENDO 2000, 82nd Annual Meeting of the US Endocrine Society 178: 39.
2. Wallace JD, Cuneo RC, Bidlingmaier M, Sönksen P, Saccà L, Christiansen JS, Lundberg PA, Strasburger CJ (2000) The response of molecular isoforms of growth hormone (GH) to acute exercise in trained adult males Growth Horm IGF Res 19(3): 134
3. Wallace JD, Cuneo RC (2000) Misuse of growth hormone Proceedings of Novo Nordisk Satellite Symposium ICE 2000 : p.20
4. Wallace JD, Cuneo RC Bidlingmaier M, Rosèn T, Lundberg PA, Carlsson L, Hay J, Sönksen P, Saccà L, Dall R, Strasburger C (2000) Detection of exogenous 22kDa growth hormone (GH) by suppression of the proportion of non-22kDa GH isoforms in exercise trained adult males Proceedings of ICE 2000, 11TH International Congress of Endocrinology: p.194

Lectures and Presentations

Associate Professor Ross Cuneo

3. *Challenging Pituitary Cases: A case-based approach. Symposium session, ENDO 2000, 82nd Annual Meeting of the US Endocrine Society, Toronto, June 2000
4. The response of molecular isoforms of growth hormone (GH) to acute exercise in trained adult males. Presented at GRS 2000, Growth Hormone Research Society, 3rd International Scientific Meeting, Goteborg, Sweden, September 2000.
5. Misuse of growth hormone. Presented at Novo Nordisk Satellite Symposium, Sydney, October 2000.
6. Detection of exogenous 22kDa growth hormone (GH) by suppression of the proportion of non-22kDa GH isoforms in exercise trained adult males. Presented at ICE 2000, 11TH International Congress of Endocrinology, Sydney October 2000.
7. *History of development of Sandostatin and rationale for the development of Sandostatin-LAR. Presented at Novartis Conference, Couran Cove, Queensland, April 2000.
8. *Drug testing in elite sport. Presented at Princess Alexandra Hospital Week, July 2000.

Postgraduate Students

- Dr Edward Pratt, MD project commenced 2000; regulation of the GH/IGF-I axis during acute exercise in adults.
- Dr Shahin Alam, PhD Salt sensitivity in hypertension (submitted)
- Ms Winsome Abbott, Master of Public Health, Deakin University; Nutrition in Chronic Liver Disease.

Awards to Staff Members

Assoc Prof Cuneo: Nominated for Excellence in Clinical Teaching Award by the University of Queensland Medical Society and School of Medicine

Public Service Relevant to Research

Associate Professor Ross Cuneo

- Reviewer for NHMRC grants
- Editorial Board member of the Journal of Clinical Endocrinology and Metabolism.
- Member of local organising committee of GRS Growth Hormone Research Society.
- Member of the Research Committee, Southern Clinical School
- Reviewer of:
 - Endocrinology and Metabolism
 - Clinical Endocrinology
 - Journal of Endocrinological Investigation
 - Endocrine Reviews
 - Growth Hormone & IGF Research
 - Australia and New Zealand Journal of Medicine
 - Proceedings of National Academy of Science
 - European Journal of Endocrinology
 - American Journal of Physiology
 - Journal of Clinical Endocrinology and Metabolism
- Invited member of Advisory group to develop strategies for the Australian Centre for Excellence in male reproductive health

UQ THERAPEUTICS RESEARCH GROUP

Staff

Professor MS Roberts	Professor and NH&MRC Senior Principal Research Fellow
Dr SE Cross	NH&MRC Senior Research Officer
Dr M Whitehouse	Honorary Research Fellow
Dr D Hung	NH&MRC Research Officer
Dr B Muller	Post-doctoral Researcher
Mr P Masci	Technical/Professional Officer
Mr G Siebert	Postgraduate Researcher
Dr Y Anissimov	NH&MRC Research Officer
Dr B Magnusson	Pfizer Post-doctoral Researcher
Dr K Foster	Lions Post-doctoral Researcher
Ms J Stokes	Research Officer and PhD student
Ms M Dianni	Administrative Officer
Ms C Ientele	Postgraduate Researcher
Ms N Walker	Administration
Ms C Ramsay	Postgraduate Researcher
Mr A Francey	Administration
Mr C Warnholtz	NH&MRC Research Assistant
Mr D Sanderson	Postgraduate Researcher
Mr F Torres	Postgraduate Researcher

Current Research Activities

1. Clinical Trials

- Dose administration aids trial
- Community Medication reviews
- Nursing home medication reviews
- Treatment of toe nail fungal infections

2. Other Research

- Targeting of drugs by topical application and the risk assessment of xenobiotics absorbed through the skin
- Interrelationship of physiology, pathophysiology and drug structure in relation to drug therapy involving the liver, the limbs and the placenta
- Drug targeting in the regional perfusion of melanoma and transdermal delivery
- Improvement of quality of medication care in elderly people in residential care institutions and in the community through the application of clinical pharmacokinetics and nurturing the input of clinical pharmacists in the health care team.

Funding (2000) NH&MRC Total = \$484,098

- NH & MRC Targeted drug delivery by topical application (MS Roberts) 2000, \$258,469.
- NH & MRC Modelling solute and metabolite disposition kinetics in perfused liver (MS Roberts) 2000 \$131,913.
- NH&MRC Treatment of recurrent malignant melanoma by limb infusion of cytotoxic drugs and other techniques (MS Roberts, Bm Smithers, J Thompson, CD Anderson) 2000 \$93,716.

Other Grants Total = \$652,916

- Lions Medical Foundation: Post-doctoral fellowship for K Foster – Neuroprotection in the developing brain. 2000 \$45,000
- PAH R&D. International collaboration. 2000 \$10,000
- Department of Health and Aged Care. Domiciliary medication review project. 2000 \$370,600.
- Queensland Cancer Fund. Skin penetration and risk assessment of topical sunscreens (MS Roberts, H Benson, S Cross) 2000 \$56,862
- Pfizer (UK) Predicting of drug structure determinants of percutaneous absorption 2000 \$170,454.80

PUBLICATIONS

Publications which have appeared in 2000

1. **Cross SE & Roberts MS** (2000) The effect of occlusion on the epidermal penetration of parabens from a commercial allergy test ointment, acetone and ethanol vehicles. *J Invest Dermatol* 115(5): 914-918
2. **Roberts MS, Anissimov YA, Weiss M** (2000) Using the convection-dispersion model and transit density functions in the analysis of organ distribution kinetics. *Journal of Pharmaceutical Sciences* 89:1579-1586.
3. **Megwa, SA, Benson, HAE, Cross SE & Roberts, MS.** (2000) Ion pair formation as a strategy to enhance topical delivery of salicylic acid. *J. Pharm Pharmacol* 52: 919-928.
4. **Megwa, SA, Cross SE, Whitehouse M, Benson, HAE, & Roberts, MS.** (2000) Effect of ion-pairing with alkylamines on the in vitro and in vivo penetration of salicylates. *J. Pharm Pharmacol.* 52: 929-940.
5. **Weiss M , Kuhlmann O, Hung DY, Roberts MS** (2000) Cytoplasmic binding and disposition kinetics of diclofenac in the isolated perfused rat liver *Brit J Pharmacol* 130, 1331-1338
6. **Roberts MS, Wu Z, Weiss, M .** (2000) Kinetics of propranolol uptake in muscle, skin and fat of the isolated perfused rat hindlimb *Eur J Pharm Sci.* Aug;11(2):165-72.
7. **Wu ZY, Smithers BM , Anderson C, Roberts MS** (2000) Can tissue drug concentrations be monitored by microdialysis during or after isolated limb perfusion for melanoma treatment? *Melanoma Res.* Feb;10(1):47-54.
8. **Foster KA, Mellick GD, Weiss M, Roberts MS** (2000) An isolated in-situ rat head perfusion model for pharmacokinetic studies. *Pharm Res* 17, 127-134.
9. **Foster KA, Roberts MS** (2000) Experimental methods for studying drug uptake in the head and brain. *Current Drug Metabolism* 1(4): 333-356
10. **Harbison SJ, Whitehouse MW** (2000) Possible steroid-sparing effect in asthma of lyprinol, a shellfish lipid extract. *Med J Aust* 173:560
11. **Shiels IA, Whitehouse MW** (2000) Lyprinol: anti-inflammatory and uterine-relaxant activities in rats, with special reference to a model for dysmenorrhoea. *Allergie et Immunologie, Paris,* 32:279-283.
12. **Roberts MS, Anissimov YG** (2000) Modelling of hepatic elimination and transfer distributive kinetics with the extended convection–dispersion model. *J. Pharmacokinetics and Biopharmaceuticals* 27 (4) 343-382

Abstracts which have been published

1. **Whitehouse MW, Hung DY, Cheung K, and Roberts MS** (2000) Antioxidant activity of celery seed extracts, Proc. Aust. Soc. Clin. Exp. Pharmacol. Toxicol. 8,141.
2. **Sorensen L, Stokes JA, Woodward M, and Roberts MS** (2000) Medication misadventure risks – findings at home visits, Proc. Aust. Soc. Clin. Exp. Pharmacol. Toxicol. 8,100.
3. **Foster K, Weiss M, and Roberts MS** (2000), Modelling distribution kinetics of drugs in the rat head, Proc. Aust. Soc. Clin. Exp. Pharmacol. Toxicol. 8,128.
4. **Stokes JA, Grobler MP, Watts IT, and Roberts MS** (2000) Risk adjustment in evaluating outcomes in coordinated care, Proc. Aust. Soc. Clin. Exp. Pharmacol. Toxicol. 8,30.
5. **Sorensen L, Roberts MS**. Integrating medication reviews in the Primary Health Care Team. Proceedings from NDHP3; Innovation in Integration a practical approach. October 2000, p 27
6. **Cross SE, and Roberts MS** (2000), The effect of hepatectomy on the healing of full-thickness excisional wounds in rats, Proc. Aust. Soc. Clin. Exp. Pharmacol. Toxicol. 8,141.
7. **King MA, and Roberts MS** (2000), Multidisciplinary case conference reviews: improving outcomes for nursing home residents, carers and health professionals, UK Clin. Pharm. Assoc. 1,20-21.
8. **Hayden CGJ, Warnholtz C, Cross SE, Benson HAE, and Roberts MS** (2000), The release of lipophilic agents from formulations and solutions through permeable membranes, 7th International PPP Conference, 7A,26.
9. **Cross SE, and Roberts MS** (2000), The effect of occlusion on the epidermal penetration of parabens from a commercial allergy test ointment, acetone and ethanol vehicles, 7th International PPP Conference, 7A, 147.
10. **Anissimov Y, Cross SE, and Roberts MS** (2000), The use of finite dose data to predict transdermal absorption parameters, 7th International PPP Conference, 7A,19.
11. **Roberts MS (2000)** *Development of the Convective Dispersion Model* to First Congress on Basic Science for Iranian Veterinary Medicine, University of Tehran, Iran, May 31.

Abstracts which have been published

(Cont'd)

12. **Whitehouse MW.** (2000) Oils as arthritogens: relevance to RA? (Aust.Rheumatol.Assn.) Hobart, May 2000. Aust.NZ J.Med 30:531
13. **Whitehouse MW, Butters DE** (2000). Gastroprotective and NSAID-synergising activities of celery-seed extracts in rats. International Conference on Inflammopharmacology, Sheffield. September 2000. Inflammopharmacol 8:309-310
14. **Whitehouse MW, McGeary RP, Davis CKC** (2000) Anti-inflammatory activity of celery seed extracts in rats with chronic inflammation. Int. Conf.on Inflammopharmacology, Sheffield. September 2000. Inflammopharmacol. 8:310-311
15. **Hung DY, Cheung K, Whitehouse MW** (2000) Antioxidant activity of celery seed extracts Int. Conf.on Inflammopharmacology, Sheffield. September 2000. Inflammopharmacol. 8:333-334
16. **Whitehouse MW, Butters DE** (2000) Anti-inflammatory activity of some OTC Indian/ayurvedic herbal medicines. Int. Conf.on Inflammopharmacology, Sheffield. September 2000. Inflammopharmacol.8:334-335
17. **Whitehouse MW, Butters DE** (2000) Anti-inflammatory activity of some Indian/Ayurvedic Herbal Medicine. 9th Congr.Asia.Pacific League Assns for Rheumatology. 2000, Beijing, May 2000. Abstracts: p.283.

INVITED LECTURES

Professor Mike Roberts

- * *Development of the Convective Dispersion Model* to First Congress on Basic Science for Iranian Veterinary Medicine, University of Tehran, Iran May 31, 2000
- * *Convective Dispersion Model* to Department of Pharmacology, Faculty of Medicine, University of Tehran, Iran May 30, 2000
- * *Factors affecting percutaneous absorption* to Faculty of Pharmacy, University of Tabriz, Iran May 28, 2000
- * *Skin penetration of sunscreens* to Sol Gel Pty Ltd, Tel Aviv, Israel May 4, 2000

INVITED LECTURES

Professor Mike Roberts

(Cont'd)

- * "Skin penetration of sunscreens – are they safe?" at Perspectives in Percutaneous Penetration Conference April 26-April 29 2000 La Grande Motte, France
- * Perspectives in Percutaneous Penetration Conference pre conference course on "*Skin Structure and Function*" on April 25, 2000 La Grande Motte, France
- * *Quality Use of Medicines in Nursing Homes* ASA's Annual Conference at Brighton, Sydney, NSW April 2000
- * *The quality use of medicines* Alcohol and Drug Foundation Queensland Conference in Brisbane for July 3 to 6, 2000
- * *Drugs in the Elderly* Grand Rounds, Princess Alexandra Hospital, Brisbane May 2000
- * *Quantitative outcomes of TEAMCare Health Coordinated Care Trial*, Brisbane North Division of General Practice April 13 and May 9, 2000
- * *Medical Research at PAH*, Lions Q3 Conference, Bribie Island October 14, 2000
- * *Medical Research at PAH*, Lions Q2 Conference, Atherton November 11, 2000

Postgraduate Students

Chang Ping	PhD Thesis, University of Queensland
Chapman J	PhD Thesis, University of Queensland
Geffen J	PhD Thesis, University of Queensland
Gol-Mohamadi A	M Med Sci Thesis, University of Queensland
Hayden CJ	PhD Thesis, University of Queensland
Kanakavi O	PhD Thesis, University of Queensland (submitted)

Postgraduate Students

(Cont'd)

King M	PhD Thesis, University of Queensland
Lynne T	PhD Thesis, University of Queensland (submitted)
McFarlane B	PhD Thesis, University of Queensland
Newton K	PhD Thesis, University of Queensland
Penissi R	M Med Sci Thesis, University of Queensland
Peachey K	PhD Thesis, University of Queensland
Sorensen L	PhD Thesis, University of Queensland
Stokes J	PhD Thesis, University of Queensland

Postgraduate Student Graduations

Foster K	PhD 2000 University of Queensland
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Public Service Relevant to Research

Professor Mike Roberts

- Editorial Board of Journal of Pharmacokinetics and Biopharmaceutics
- Member, National Health & Medical Research Council Discipline Panels: Canberra
- Chairman, Group 5 Animal Experimentation Committee for the University of Queensland
- Chairman, Management Committee for postgraduate clinical pharmacy courses in Queensland School of Pharmacy, University of Queensland
- Member, Scientific Committee, 7th International Conference, Perspectives in Percutaneous Penetration: La Grande Motte France

Public Service Relevant to Research

Professor Mike Roberts

(Cont'd)

- Councillor and Director, Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists
- Member, Princess Alexandra Hospital and District Research Committee
- Member of the University of Queensland School of Pharmacy Board
- Member of the Clinical Trials Subcommittee, Royal Childrens Hospital, Brisbane
- Member of National Advisory Committee, Australian Association of Consultant Pharmacists
- Chairman, Education Committee, Australian Institute of Pharmacy Management

University of Queensland
Centre for
Immunology & Cancer Research

THE CENTRE FOR IMMUNOLOGY & CANCER RESEARCH

Staff

DIRECTOR Prof. Ian H. Frazer
BSc(Hons) MB ChB Edinburgh, MRCP UK, MD Melbourne,
FRCP(Ed), FRCPA

DEPUTY DIRECTOR Dr Ranjeny Thomas
MBBS MD University of Western Australia, FRACP

IMMUNOBIOLOGY UNIT

Dendritic Cell Biology

Dr Ranjeny Thomas
MBBS MD University of Western Australia, FRACP

MOLECULAR AND CELLULAR BIOLOGY UNIT

Molecular Virology

Dr Nigel McMillan
BSc(Hons), PhD University of Otago, New
Zealand

Papillomavirus Structural Biology

Dr Kong-Nan Zhao
BSc, MSc Zhejiang Agricultural University
(China), PhD Australian National University

Epithelial Pathobiology

Dr Nicholas Saunders
BSc(Hons) PhD University of Western Australia

EPITHELIAL AND TUMOUR IMMUNOLOGY UNIT

Papillomavirus Vaccines

Prof. Ian H Frazer,
BSc(Hons) MB ChB Edinburgh, MRCP UK, MD Melbourne, FRCP(Ed), FRCPA

T Cell Memory

Dr Germain Fernando,
BSc(Hons) University of Ceylon, PhD University of Arizona USA

Cytotoxic

T Lymphocyte Biology

Dr Graham Leggatt
BSc (Hons), PhD University of Queensland

Staff

(Cont'd)

CENTRE MANAGER

Anton Sanker

B Econ.

LABORATORY MANAGER

Paul Turley

B. App. Sc QUT, M Soc Sci

University of Queensland

STAFF IMMUNOLOGIST/ SENIOR LECTURER

Dr Pat Hogan, BSc

MBBS(Hons)

University of Queensland

PhD Australian National University

FRACP, FRCPA

RESEARCH ASSOCIATES

Dr Lynn Kennedy

MBBS University of Queensland

Dr Dan O'Connor

MBBS University of Queensland, FRCOG,
FRACOG

Dr Devinder Gill

MBChB (Birm), MRCP (UK), FRCPath
(London)

RESEARCH OFFICERS

Dr Wen-Jun Liu

MBBS Shandong Medical University,
PhD Institute of Virology Chinese Academy
of Preventative Medicine

Karen Malcolm

BSc MSc James Cook University

Ela Martin

BSc (Hons), BMedSci Sydney University

Dr Simone Zehntner

BSc (Hons), PhD Griffith University

Dr Ibtissam Abdul Jabbar

BSc, MSc, PhD University of Queensland

Dr David Leavesley

BSc (Hons), PhD London University
College

Dr Brendan O'Sullivan

BSc(Hons), PhD University of Queensland

Dr Juliet Martin

MBBS Qld, BSc (Hons)

VISITING FELLOW

Dr Huayang Go
MBBS Chongqing China

Dr Yuehua Liu
MBBS Peking Union Medical College

Dr Lifang Zhang
MBBS Wenzhou Medical College

RESEARCH ASSISTANTS

Nancy Blanch
BSc (Hons)

Amanda Boyce
BSc Otago University NZ,
PGradDip Sci Christchurch

Renee England
BSc(Hons)

Kathryn Greenwood
BAppSc University of South Australia

Jon Hartas
BAppSc Canberra College
of Advanced Education

Vithagna Khammanivong
BSc(Hons)

Stephanie Meyer
B.BiomedSc

Louise Knop
BSc(Hons) Hlodelft Tech Univ
The Netherlands

Liz Tomlinson
BSc(Hons) Monash University

Elizabeth Payne
BSc(Hons)

Alison Dahler
BSc(Hons)

Rachel DeKluyver
BSc(Hons)

Joanne Hiatt
BSc(Hons)

Lani Hardy
BSc(Hons)

Jagadish Padmanabha
BSc Kerala University
BDS Bangalore University
MDS Mangalore University
MSc Vrije University Brussels

Janine Richards
BSc(Hons)

Olivia White
BSc(Hons)

Dr Yan Xu
MBBS Gui Yang

POSTGRADUATE STUDENTS

Shane Armitage

BAppSc (Hons)
(PhD commenced 1993)

Dr Tony Dicker

MBBS
(PhD commenced 1996)

Helen Juffs

MBBS(Hons) University of Queensland
(MMSci commenced 1999)

Peter Manders

BSc(Hons)
(PhD commenced 1996)

Lilliana Munoz

BSc(Hons)
(PhD commenced 1999)

Claudia Popa

BSc(Hons)
(PhD commenced 1999)

Maggie Serewko

BSc(Hons) James Cook University
(PhD commenced 1999)

Mengyong Yan

MMedSci, MBBS
(PhD commenced 1999)

Nina Fowler

BSc
(PhD commenced 1996)

Paula Barnard

BSc(Hons)
(PhD commenced 1996)

Dr Xiaosong Liu

MBBS Zunyi Medical College,
Masters School of Medicine
West China University of Medicine
(PhD commenced 1998)

Simei Ng

BSc(Hons) University of NSW
(PhD commenced 2000)

Allison Pettit

BSc(Hons)
(PhD commenced 1997)

Trina Stewart

BSc, P Grad Dip Sc
(PhD commenced 1998)

Angus Thompson

BSc(Hons) University of WA
(PhD/MBBS commenced 2000)

NURSING SISTERS

Ngaire Wendt

BNursing University of Southern
Queensland

Sue McFadyen RN

HONOURS STUDENTS

Kathleen O'Connell

BSc

Shian Lim

BSc

Current Research Activities

GJ Fernando

The role of T help in maintenance of memory cytotoxic T cells

N McMillan

Virus inhibition of signal transduction and the innate immune response

I H Frazer

Genotype specific and genotype cross reactive cell mediated immunity to VLP based papillomavirus vaccines

R Thomas & A Smithers

Melanoma research

N Saunders

Identifying novel therapeutic targets for skin cancer therapy

G Fernando

The role of CD4 + T-helper cells in the generation, maintenance and activation of a long lasting anti-tumour CTL effect.

R Thomas

Dendritic cell function, migration and modulation in a murine model of inflammatory arthritis

R Thomas

The role of TAP and MHC class 1 expression in the response to melanoma immunotherapy using autologous dendritic cells

I H Frazer

How does papillomavirus regulate its late gene expression

I H Frazer

Development of hybrid HPV/HIV VLPs a novel vaccine to prevent both HIV and HPV infection

I H Frazer

Cell mediated immunity in the early control of papillomavirus infection

N McMillan

The role of the human papillomavirus in alpha-6 integrin activation and cell growth

R Thomas

Regulation and function of the transcription factor relB in human dendritic cells

I H Frazer

Determinants of effective immunotherapy for epithelial tumours

Current Research Activities (cont'd)

I H Frazer

Development and evaluation of hybrid novel mucosal vaccines

N Saunders

E2F inhibitors as anti skin cancer agents

R Thomas

Dendritic cell function, migration and modulation in a murine model of inflammatory arthritis

R Thomas

The role of TAP and MHC class 1 expression in the response to melanoma immunotherapy using autologous dendritic cells

I H Frazer

A transgenic model for epithelial tumour immunotherapy

G Leggatt

CTL avidity as a determinant of the mature, antigen specific immune repertoire

N McMillan

The role of human papillomavirus E7 oncoprotein in the evasion of the antiviral effects on Interferon

WJ Liu

Identification of papillomavirus epitopes recognised in man and development of human anti HPV monoclonal antibodies

KN Zhao

Study of papillomavirus DNA encapsidation and formation of infectious virions

R Thomas

A Phase II clinical trial in patients with metastatic melanoma comparing autologous dendritic cells pulsed with autologous tumour peptides and melanoma associated peptides linked to the endoplasmic reticulum signal sequence

IH Frazer

Genotype specific and genotype cross reactive cell mediated immunity to VLP based papillomavirus vaccines

N Saunders

Biological characterisation of neoplastic progression in keratinocytes

N McMillan

The role of the human papillomavirus E7 oncoprotein in the evasion of the antiviral effects of Interferon

Current Research Activities (cont'd)

WJ Liu

Interaction between papillomavirus and tubulin: a mechanism of virus translocation

N McMillan

What determines virus entry into a cell?

WJ Liu

Identification of Papillomavirus Epitopes recognised in Man, and development of Human Anti HPV monoclonal antibodies

R Thomas

Arthritis Research

I H Frazer

Cervical cancer Vaccine Clinical Trial

Funding

Grants

NH&MRC

- \$78,984 - 2000/2003 G Fernando: The role of CD4+ T-helper cells in the generation, maintenance and activation of a long lasting anti-tumour CTL effect
- \$3,922
2000 IH Frazer
To purchase High Speed Flow Cytometer
- \$68,463 - 2000/2002 KN Zhao: Study of papillomavirus DNA encapsidation and formation of infectious virions
- \$62,999 - 2000/2002 R Thomas: Dendritic cell function, migration and modulation in a murine model of inflammatory arthritis
- \$104,046 - 2000/2002 R Thomas: The role of TAP and MHC class 1 expression in the response to melanoma immunotherapy using autologous dendritic cells
- \$73,862 - 1999/2001 IH Frazer: How does papillomavirus regulate its late gene expression
- \$58,151 - 1999/2001 IH Frazer: Development of hybrid HPV/HIV VLPs a novel vaccine to prevent both HIV and HPV infection

Funding

Grants

NH&MRC (cont'd)

- \$60,183 - 1999/2001 IH Frazer: Cell mediated immunity in the early control of papillomavirus infection
- \$71,913 - 1999/2001 N McMillan: The role of the human papillomavirus in alpha-6 integrin activation and cell growth
- \$61,199 - 1999/2001 R Thomas: Regulation and function of the transcription factor relB in human dendritic cells
- \$108,084 -1999/2001 I Frazer: Determinants of effective immunotherapy for epithelial tumours

ARC (Australian Research Council)

- \$28,147 - 2000 GJ Fernando: The role of T help in maintenance of memory cytotoxic T cells.
- \$29,131 - 2000 N McMillan: Virus inhibition of signal transduction and the innate immune response.

CRI (Cancer Research Institute)

- USD\$100,422 - 1999/2002 IH Frazer: Genotype specific and genotype cross reactive cell mediated immunity to VLP based papillomavirus vaccines.

Kentcomb & Finmare

- \$45,355 - 2000 R Thomas & A Smithers: Melanoma research

Lions Medical Research Foundation

- \$50,000 - 1999/2003 N Saunders: Identifying novel therapeutic targets for skin cancer therapy

NIH (National Institute of Health)

- \$US150,000 - 1999/2000 IH Frazer: Development and evaluation of hybrid novel mucosal vaccines

Funding

Grants

PAH (Research & Development Foundation)

- \$8,000 - 2000 N Saunders: E2F inhibitors as anti skin cancer agents
- \$8,000 - 2000 R Thomas: Dendritic cell function, migration and modulation in a murine model of inflammatory arthritis
- \$8,000 - 2000 R Thomas: The role of TAP and MHC class 1 expression in the response to melanoma immunotherapy using autologous dendritic cells
- \$8,000 - 2000 IH Frazer: A transgenic model for epithelial tumour immunotherapy
- \$8,000 - 2000 G Leggatt: CTL avidity as a determinant of the mature, antigen specific immune repertoire
- \$8,000 -2000 N McMillan: The role of human papillomavirus E7 oncoprotein in the evasion of the antiviral effects on Interferon
- \$8,000 - 2000 WJ Liu: Identification of papillomavirus epitopes recognised in man and development of human anti HPV monoclonal antibodies
- \$8,000 - 2000 KN Zhao: Study of papillomavirus DNA encapsidation and formation of infectious virions

QCF (Queensland Cancer Fund)

- \$50,060 - 1999/2000 R Thomas: A Phase II clinical trial in patients with metastatic melanoma comparing autologous dendritic cells pulsed with autologous tumour peptides and melanoma associated peptides linked to the endoplasmic reticulum signal sequence
- \$50,060 - 1999/2000 IH Frazer: Genotype specific and genotype cross reactive cell mediated immunity to VLP based papillomavirus vaccines
- \$47,512 - 2000/2001N Saunders: Biological characterisation of neoplastic progression in keratinocytes
- \$57,862 - 2000/2001 N McMillan: The role of the human papillomavirus E7 oncoprotein in the evasion of the antiviral effects of Interferon
- \$47,512 - 2000/2001WJ Liu: Interaction between papillomavirus and tubulin: a mechanism of virus translocation

Funding

Grants (Cont'd)

UQ Early Career (The University of Queensland Early Career Researcher Grant)

- \$17,193 - 2000 N McMillan: What determines virus entry into a cell?
- \$20,000 - 2000 WJ Liu: Identification of Papillomavirus Epitopes recognised in Man, and development of Human Anti HPV monoclonal antibodies

Arthritis Foundation of Queensland

- \$145,000 - 2000 R Thomas : Arthritis Research

CSL (Commonwealth Serum Laboratories Limited)

- \$382,643 - 2000 IH Frazer: Cervical cancer Vaccine Clinical Trial

Australian Cancer Research Foundation

- \$1,000,000 – 2000: Infrastructure Funding

Queensland Government - Office of State Development

- \$500,000 – 2000: Infrastructure Funding

The University of Queensland

- \$500,000 – 2000: Infrastructure Funding

Publications

Publications which have appeared in 2000

Zhao KN, Hengst K, Liu WJ, Liu YH, Liu XS, McMillan N, Frazer IH
BPV1 E2 enhances packaging a full length plasmic DNA in BPV1 pseudovirions
Virology 272 (2) : 382-393

Fang NX, Frazer IH, Fernando GJP
Differences in the post translational modification of human papillomavirus type 6b major capsid protein expressed from a baculovirus system compared with a vaccinia virus system
Biotechnology and applied biochemistry 32 (pt 1) : 27-33

Publications

Publications which have appeared in 2000

(cont'd)

Pettit A, MacDonald KPA, O'Sullivan B, Thomas R

Differentiated dendritic cells expressing nuclear RelB are predominantly located in rheumatoid synovial tissue perivascular mononuclear cell aggregates
Arthritis and rheumatism 43 (4) : 791-800

Dicker AJ, Popa C, Dahler A, Serewko M, Hilditch-Maguire P, Frazer IH, Saunders NA

E2F1 induces proliferation specific genes in human epidermal keratinocytes
Oncogene 19 (Jan 2000): 2887-2894

Dicker AJ, Serewko M, Dahler A, Khanna K, Kaur P, Li A, Strutton GM, Saunders NA

Functional characterisation of cultured cells derived from an intraepidermal carcinoma of the skin (IEC-1) Experimental cell research 258 (2) : 352-360

Zhang LF, Zhou J(dec), Chen S, Cai LL, Qi YB, Zheng FY, Lu JQ, Padmanabha J, Hengst K, Malcolm K, Frazer IH

HPV6b virus like particles are potent immunogens without adjuvant in man
Vaccine 18 (11-12) : 1051-1058

Abddul Jabbar I, Fernando G, Saunders NA, Aldovini A, Young R, Malcolm K, Frazer IH

Immune responses induced by BCG recombinant for human papillomavirus L1 and E7 proteins
Vaccine 18 (22) : 2444-2453

Pettit A R, Ahern MJ, Gehntner S, Smith MD, Thomas R (2000) Comparison of differentiated dendritic cell infiltration of autoimmune and osteoarthritic synovial tissue Arthritis & Rheumatism 44 (1) 105-110

Manders P, Thomas R

Immunology of DNA vaccines: cpg motifs and antigen presentation
Inflammation research 49 (5): 199-205

Malcolm K, Meschede W, Pawlita M, Koutsky LA, Frazer IH

Multiple conformational epitopes are recognised by natural and induced immunity to the e7 protein of HPV16 in man
Intervirology 43: 165-173

Liu WJ, Liu XS, Zhao KN, Leggatt GR, Frazer IH

Papillomavirus virus like particles for the delivery of multiple cytotoxic T cell epitopes
Virology 273 (2) : 374-382

Frazer IH, Howard J, Cox C, Mcfadyn S

Predictors of genital warts among women attending two family planning clinics
Venereology 13 (4): 157-162

Publications

Publications which have appeared in 2000

(cont'd)

O'Sullivan B, Macdonald KPA, Pettit AR, Thomas R

RelB nuclear translocation regulates B cell MHC molecule, CD40 expression, and antigen-presenting cell function

Proceedings of the national academy of sciences USA 97(21):11421-11426

Pietschmann P, Hahn P, Kudlacek S, Thomas R, Peterlik M

Surface markers and transendothelial migration of dendritic cells from elderly subjects

Experimental gerontology 35: 213-224

Barnard P, Payne E, McMillan NAH

The human papillomavirus E7 protein is able to inhibit the anti viral and anti growth functions of interferon-alpha

Virology 277 (2) : 411-419

Theses

Genetic aberrations in MHC

Class 1 and tap genes in cervical cancer and the examination of immune selection pressure on tumour development

Nina Fowler

Nuclear RelB differentiated dendritic cells and the pathogenesis of synovial inflammation

Allison Pettit

Antigen presentation by keratinocytes

Michael Sharkey

Biological markers of renal transplant rejection in humans

Michael (Shane) Armitage

Division of Mental Health

AGED CARE MENTAL HEALTH SERVICE

Staff Dr David Lie	(Director, Aged Care Mental Health Service)
Dr Michael Leong	(VMO, Memory Clinic)
Christine Watts	(RN, Clinical Trial Coordinator)
Annette Broom	(Research Psychologist)
Dr Adel Al-Offi	(Research Registrar)

Current Research Activities

Clinical Trials

1. An open-label, multicentre follow-up trial to assess the longterm safety and tolerability of oral administration of talsaclidine 24mg tid in patients with mild to moderate dementia of the Alzheimer's type.
Protocol No: 506.208
2. Open label, six months extension of SDZ ENA 713 studies B303 and B304 to prospectively evaluate the longterm safety, tolerability and efficacy of 1 through 6mg bid (3 – 12mg/day) SDZ ENA 713 in outpatients with probable Alzheimer's Disease.
Study Code: ENAB 305-E-00

Other Research

1. Investigation into Contribution of Cognitive and Motor Processes in Balance Disturbance in Depressed Elderly and why at Greater Risk of Falls.
2. The Role of Arousal Disturbance in False Recognition Syndromes – a Single Case Study.

Funding

- | | | |
|----|----------------------|----------|
| 1. | Boehringer Ingleheim | \$19,000 |
| 2. | Novartis Australia | \$3,600 |

Postgraduate Students:

Annette Broome (PhD in Clinical Neuropsychology)

Lectures and Presentations

Invited Lecturer – Dr David Lie

Royal College of Psychiatrists, Thailand & Neurological Society of Thailand, Bangkok
4 – 7 May 2000 (Update on Dementias & Alzheimer's Disease)

Public Service Relevant to Research:

Dr David Lie

1. President of the Queensland Chapter, Faculty of Psychiatry of Old Age
2. RANZCP (Queensland) Committee Member

DIVISION OF MENTAL HEALTH

Staff

Assoc Professor Frank Varghese	Chair, Integrated Mental Health Services (resigned June 2000)
Ms Sabrina Walsh	Executive Manager (June 2000 -)
Ms Liz Osborne	Asst Director of Nursing
Assoc Prof Brian Kelly	Acting Clinical Director (31.7.00 – 28.2.01)
	Director Consultation-Liaison Psychiatry
Dr Paul Schneider	Director, General Psychiatry
Dr Jimsie Cutbush	Director, Postgraduate Training)
Dr Michael Dwyer	Director, Postgraduate Training) Shared Position

Consultant Psychiatrists

Dr Frances Dark
Dr Michael Dwyer
Dr Janice Gomes
Dr Geoff Leong
Dr Richard Thomis
Dr Jo Loftus (half time)
Dr Robert Stewart (half time)
Dr Frank Varghese (part time - June 2000)

NPCs

Vince John - Ward P2
Ram Raju - Ward P3

Team Leaders

Robyn Prince (Western Sector)
Amanda Kivic (Eastern Sector)

Visiting Consultant Psychiatrists

Dr Pat Haycock
Dr Curt Gray
Dr Katrina Samios
Dr Jennifer Lockwood
Dr Jonathon Hargreaves
Dr Susan Roberts
Dr Eileen Burkett
Dr Linda Allen (Locum)
Dr Josh Geffen (Locum)

Senior Occupational Therapist

Sue Holley

Senior Psychologist

Cliff Leong

Senior Social Worker

Jennifer Stewart

Research Staff

Dan Pelusi
Shirlene Badger

Current Research Activities

1. Clinical Trials

Ziprasidone intramuscular/oral versus haloperidol intramuscular/oral in the treatment of acute exacerbation of schizophrenia and schizoaffective disorder: a six week open administration study with blinded assessment (Protocol: ZIP-NY-97-001) - on going.

Open Extension Study Evaluating the Safety and Tolerability of Oral Ziprasidone in the Treatment of Patients Who Have Successfully Completed a Previous Ziprasidone Study (Protocol: ZIP-NY-98-035) – on going.

A Multicentre, Double-Blind, Placebo-Controlled, Randomised, Fixed-Dose Evaluation of the Safety and Efficacy of Lamotrigine in the Long-Term Prevention of Relapse and Recurrence of Depression and/or Mania in Patients with Bipolar I Disorder (Protocol: 105-605; SCAB 2003)

A Multicentre, Double-Blind, Placebo-Controlled, Randomised, Fixed-Dose Evaluation of the Safety and Efficacy of Lamotrigine in the Long-Term Prevention of Relapse and Recurrence of Depression and/or Mania in Patients with Bipolar I Disorder (Protocol: 105-605; SCAB 2003)

2. Other Research

a. Clinical Correlates of the Wish to Hasten Death Among the Terminally Ill
(Kelly B, Varghese F, Robertson M, Burnett P)
Funding: NHMRC
(2000 - \$85,469 / 2001 - \$44,848)

b. Clinical Correlates of the Wish to Hasten Death Among the Terminally Ill
(Kelly B, Varghese F, Robertson M, Burnett P)
Funding: University of Queensland, Cancer Research Fund
(2000 - \$20,000)

c. Evaluation of Mental Health Services in Emergency Departments.
Kelly B, Phillips L, Kay P, Finucaine J, Gray C.
Funding: Princess Alexandra Hospital Research and Development Foundation
(2000 - \$8,000)

d. Positional Cloning and Analysis of a Non Alzheimers Dementia Gene
Schofield P, Dark F
Funding: NHMRC
1998 – 2000 (3 years - \$40,000 each year) \$120,000

e. Ethnic Identity and Mental Health of Chinese Immigrant Young People
Dr Lifeng Chen (1997 – 2000)

Purchase of Bireme System from UNIQUEST to carry out research on
Binocular Rivalry Rates in Mental Disorders with Affective Disturbance
\$10,000

2. Other Research

(Cont'd)

Dissertations Commenced 2000

Dr Yaser Baqir: Binocular Rivalry Rates in Mental Disorders with Affective Disturbance

Dr Vlad Ljubisavljevic: Delirium Risk Factors in Oncology Patients

Dr Murray Walters: An Economic Analysis of a Psychogeriatric Domiciliary Visiting Service

Funding

Research

As for 2 a-e, above.

Clinical Trials

Glaxo Wellcome Australia Ltd	\$31,560 (1999)	\$5,520, \$2,380 (2000)
Quintelles Pty Ltd	\$ 5,200	
IBAH Pty Ltd	\$ 3,351	

Other Research

HIV and Depression – Training and Development of Group Program
Weller A, Dickinson N.
Funding: AIDS Trust of Australia (\$6,000)

Development of Dual Diagnosis Self-Help Manual.
Weller A.
Funding: Disability Services Queensland (\$3,500)

Publications

1. Publications which have appeared in 2000

1. Burke D, **Kelly B**, Cockram A. (2000) Guidelines for RANZCP Accredited Supervisors Who Experience Problems in Supervision. *Australasian Psychiatry* 8 (2) 110-113.
2. **Gold JH, Samios K, Lockwood J.** (2000) The Question of Psychotherapy Supervision: Should trainees be trained in psychotherapy? *Australasian Psychiatry* 8 (2) 116-120.

Publications

1. Publications which have appeared in 2000

(Cont'd)

3. **Kelly B.** (2000) HIV/AIDS. In "Death and Dying in Australia: Interdisciplinary Perspectives. Kellehear A (Ed). Chapter 11, 145-162, Oxford University Press.
4. **Kelly B,** Raphael B, Burows G, Judd F, Kernutt G, Burnett P, perdices M, Dunne M (2000) Measuring Psychological Adjustment to HIV Infection International J Psychiatry in Medicine 30 (1) 41-59.
5. Kissane D, **Kelly B.** (2000) Demoralisation, depression and the desire for death: implications of the Dutch guidelines for euthanasia of the mentally ill. Australian and New Zealand J Psychiatry 34, 325-333.
6. Troy L, Littmann-Power S, McFarland K, **Kelly B,** Wyld D, Walpole E and Thomson D (2000) Cisplatin-based therapy: A neurological and neuropsychological review - Psycho-Oncology 9, 29-39.
7. Turner J, **Kelly B** (2000) Emotional Dimensions of Chronic Disease. Western J Medicine 172, 124-128.
8. Turner J, **Kelly B** (2000) Debriefing in Hospital Staff: Oncology and Other Settings" - Stress Debriefing: A Critical Appraisal of Practice, Evidence and Clinical Outcomes (Ed Raphael B), Cambridge University Press, Cambridge.

2. Published Abstracts

1. **Chen, L,** Ayonrinde AO, **Varghese FT** (convenor), Gold JH (discussant) Ethnic Identity and the Self-Implications for Psychotherapy. Royal Australian and New Zealand College of Psychiatrists 35th Annual Congress, 27-30 April, 2000, Adelaide. ANZJP, 34S, A69 (symposium)
2. **Chen L.** Review of Ethnic Identity and Its Relationship to Mental Health. Royal Australian and New Zealand College of Psychiatrists 35th Annual Congress, 27-30 April, 2000, Adelaide. ANZJP, 34S, A13 (presenter – L Chen)
3. **Chen L, Varghese F,** Nurcombe B, Kenardy J. A Model of Ethnic Identity, Acculturation and Young Immigrants' Mental Health. The Australasian Society for Psychiatric Research 2000. 7-8 December, 2000, Adelaide. (presenter - L Chen)
4. **Chen L, Varghese F,** Nurcombe B, Kenardy J. The Development of an Acculturation Scale. The Australasian Society for Psychiatric Research 2000. 7-8 December, 2000, Adelaide. (presenter - L Chen)

2. **Published Abstracts**
(Cont'd)

5. **Kelly B, Leigh R, Varghese FT, Badger S, Pelusi D.** Clinical Dilemmas in the Care of Patients with Serious Physical Illness: The Role of the Psychiatrist in End-of-Life Care. Royal Australian and New Zealand College of Psychiatrists 35th Annual Congress, 27-30 April, 2000, Adelaide. ANZJP, 34S, A36 (symposium)
6. **Kelly B, Varghese F, Robertson M, Burnett P, McGrath P, Pelusi D, Badger S** Death, Dying and Suicide: Terminally Ill Patient's Desire To Hasten Death – The Doctor's Perspective, The Fourth International Congress on Thanatology and Suicidology, August 28-30, 2000, Stockholm, Sweden (presenter - S Badger)
7. **Kelly B.** Delirium - Overlooked Clinical Issues. 5th World Congress of Psycho-Oncology, 3-7 September, 2000, Melbourne. S71-283 (presenter – B Kelly)
8. **Kelly B, Varghese F, Robertson M, Burnett P, Pelusi D.** Terminally Ill Patients Desire to Hasten Death. 5th World Congress of Psycho-Oncology, 3-7 September, 2000, Melbourne, J of Psycho-Oncology 9(5S) 27:105 (presenter – D Pelusi)
9. **Kelly B, Pelusi D, Badger S, Varghese F, Robertson M, Burnett P.** Terminally Ill Patients Desire to Hasten Death – The Doctor's Perspective. 5th World Congress of Psycho-Oncology, 3-7 September, 2000, Melbourne, J of Psycho-Oncology 9(5S) 26:104 (presenter - B Kelly)
10. **Kelly B, Varghese F, Robertson M, Burnett P, Pelusi D, Badger S.** Terminally Ill Patient's Desire to Hasten Death: The Doctor's Perspective. The Australasian Society for Psychiatric Research 2000. 7-8 December, 2000, Adelaide (poster)
11. **Kelly B, Varghese F, Robertson M, Burnett P, Pelusi D, Badger S.** Terminally Ill Patients Desire to Hasten Death. The Australasian Society for Psychiatric Research 2000, 7-8 December, 2000, Adelaide (poster)
12. **Troy L, McFarland K, Kelly B, Thomson D, Walpole ET.** Changes in Attentional Processing Following Cisplatin-Based Therapy. 5th World Congress of Psycho-Oncology, 3-7 September, 2000, Melbourne, J of Psycho-Oncology 9(5S) 50:198 (presenter – L Troy)
13. **Turner J, Breitbart W, Kelly B.** Update on Delirium. 5th World Congress of Psycho-Oncology, 3-7 September, 2000, Melbourne, J of Psycho-Oncology 9(5S) 71: 281. (presenter – J Turner)
14. **Varghese FT.** Ethnic Identity: Core Identity or "Accoutrement"? Royal Australian and New Zealand College of Psychiatrists 35th Annual Congress, 27-30 April, 2000, Adelaide. ANZJP, 34S, A69 (presenter – F Varghese)

2. **Published Abstracts**
(Cont'd)

15. **Varghese F, Leigh R, Turner J, Vamos M, Kelly B.** Psychiatric Issues Surrounding Assisted Suicide and Euthanasia Among Terminally Ill Patients. 5th World Congress of Psycho-Oncology, 3-7 September, 2000, Melbourne, J of Psycho-Oncology 9(5S) 26:103 (symposium)
16. **Varghese F, Pelusi D, Kelly B, Robertson M, Burnett P, Badger S.** Methodological Considerations in Studying the Wish to Hasten Death in Terminally Ill patients. The Australasian Society for Psychiatric Research 2000. 7-8 December, 2000, Adelaide. (presenter - D Pelusi)

Lectures and Presentations

As for Abstracts (presentations)

- Eyears D, Cotterill, Emmett M, Kelly B. Detection of Mental Health Problems in Adolescents with IDDM Attending a Specialist Diabetes Clinic Australian Diabetes Society Annual Meeting, August 2000, Cairns (poster)
- Dickinson N, McNaughton A. Sexual Abuse and Midwifery. Symposium Sexual Abuse and Mental Illness Seminar, November 2000, Brisbane (paper)
- McNaughton A, Jenner L. Development of Manualised Program for Dual Diagnosis Clients. Drug and Alcohol Winter School, July 2000, Brisbane
- McNaughton A. Mental Health Drama Performance. College of Mental Health Nurses, September 2000, Gold Coast
- Phillips L and Schmalkuche D. Pioneers or Fringe Dwellers - The Liaison Psychiatry Nurse on the General Hospital Setting. 9th National Nurse Education Conference, 29 Jun - 1 Jul, 2000, Sydney (presentation)
- Weller A. Prevalence of Sexual Abuse Incidents with Mental Illness. College of Mental Health Nurses, September 2000, Gold Coast

Postgraduate Students

PhD

Dr Lifeng Chen

"Ethnic Identity and Mental Health of Chinese Immigrant Young People"

(Dr Frank Varghese Co-supervisor) Graduated 2000

Dean of Postgraduate Students Commendation List for Outstanding PhD Theses 2000

Ms Narelle Dickinson

"The Impact on Families of a Diagnosis of Fetal Abnormality Following 1st Trimester Ultrasound Screening" (Dr Brian Kelly - supervisor)

Ms Nicole Edwards

"International Comparative Study: Appropriateness of Psychotropic Medication Used by people with a Dual Diagnosis" (Dr Brian Kelly - co-supervisor)

Dr Josh Geffen

"Pro-rata Medications for Psychotic Disorders" (Dr Frank Varghese - co-supervisor)

Ms Darunee Phukao

"Development and Evaluation of a Culturally Appropriate Treatment Program for Alcohol Dependent Persons in Thailand" (Dr Frank Varghese - co-supervisor)

Ms Lynne Ridgeway

"An Evaluation of Psychotherapy" (Dr Brian Kelly - co-supervisor)

Ms Collyn Soon

"The Study on the Risk Reduction of Contracting HIV Infection Among People with Schizophrenia" (Dr Brian Kelly - supervisor)

Ms Lynda Troy

"Impact of Cisplatin Based Therapy on Neuropsychological Functioning – Patterns and Predictors of Outcome"(Dr Brian Kelly - co-supervisor)

Postgraduate Students

(cont'd)

Masters

Dr Robyn Leigh

"Understanding Family Factors in the Wish to Hasten Death Among the Terminally Ill
(Dr Brian Kelly - supervisor)

Dr Rodney Marsh

"Evaluation of Psychiatric Aspects of Parkinsons Disease in Patients Treated with
Pallidotomy" (Dr Brian Kelly – supervisor)

Dr John Miles

"Establishing a Consultation-Liaison Psychiatry Service" (Dr Brian Kelly – supervisor)

Public Service Relevant to Research

Assoc Prof. Brian Kelly

- Member - International Scientific Review Committee – XIII International AIDS Conference, July 9-14, 2000, Durban, South Africa
- Member - Scientific Committee, Fifth World Congress of Psycho-Oncology, Melbourne, 2000
- Member - Australasian Advisory Board, Australian and New Zealand Journal of Psychiatry
- Qld Representative, Ethics Sub-Committee. Australia and New Zealand Society for Palliative Medicine
- **Assessor for the following granting bodies at various times from 1988-current.**
 - National Health & Medical Research Council
 - Commonwealth AIDS Research Grants
 - NSW Cancer Council
 - Cancer Foundation of Western Australia
 - Diabetes Australia Research Trust
 - Queensland Cancer Fund
 - Health Research Council of New Zealand
 - University of Queensland Research Grants

Public Service Relevant to Research

Assoc Prof Brian Kelly

(Cont'd)

- **Reviewer for the following journals:**
 - International Journal of Psycho-Oncology
 - Australian and New Zealand Journal of Psychiatry
 - Medical Journal of Australia
 - Journal of Psychosomatic Research
 - British Medical Journal
 - Journal of Social Science and Medicine

Assoc Prof Frank Varghese

- Assessor for the National Health & Medical Research Council
- Assessor for the Australian and New Zealand Journal of Psychiatry

Queensland Health Pathology Services

Department of Chemical Pathology

Department of Haematology (see Division of Medicine)

Department of Immunology (see Division of Medicine)

Department of Microbiology

DEPARTMENT OF CHEMICAL PATHOLOGY

Staff

Senior Staff

Director	Dr PE Hickman BSc (Hons) PhD, MBBS,MAACB, FRCPA, MHA
Registrar	Dr E Nye
Chief scientist	Ms AE Barr Bsc(Hons), MSc, MTM
Supervising Scientists	Dr K Cheung BSc, PhD, GCM Mr G Ward BSc (Hons) MAACB, MSc Ms J Tate BSc(Hons) MSc Mr B Ormiston BSc Mr D Davis Dip Pharm, BSc

Publications

- 1 Hickman PE, Hourigan LF, Powell LW, Cordingley F, Dimeski G, Ormiston B, Shaw J, Ferguson W, Johnson M, Ascough J, McDonnell K, Pink A, Crawford DHG. (2000) Automated measurement of unsaturated iron binding capacity is an effective screening strategy for C282Y homozygous haemochromatosis. Gut (46) 405-409.
- 2 Crawford DHG, Hickman PE.(2000) Screening for Haemochromatosis. [editorial] Hepatology 31 (5) 1192-1193
3. McCullen MA, Crawford DHG, Dimeski G, Tate J, Hickman PE. (2000) Why there is discordance in reported decision thresholds for transferrin saturation when screening for hereditary hemochromatosis. Hepatology (32) 1410-1411
3. Marcovina SM, Albers JJ, Scanu AM, Kennedy H, Giaculli F, Berg K, Coudere R, Dati F, Rifai N, Sakurabayashi I, Tate JR, Steinmetz A.(2000) Use of a reference material proposed by the International federation of Clinical chemistry and laboratory Medicine to evaluate analytical methods for the determination of plasma lipoprotein(a). Clin Chem (46) 1956-67

Lectures and Presentations

Dr PE Hickman

RCPA/AACB Chemical Pathology Teaching course, Brisbane
"Screening for Disease"

Alfred Hospital Melbourne, Dept of Gastroenterology
"Screening for Haemochromatosis"

Institut für Klinische Chemie und Pathobiochemie, Klinikum rechts der Isar, Technische Universität München
"Screening for Haemochromatosis"

Australian Institute for Medical Sciences
"Screening for Haemochromatosis"
"Current status of Cardiac Markers"
"Problems with Immunoassay"

Postgraduate Students

Ms Linden Callaghan B App Sc (Med Lab), Griffith University, Qld, studies in Grad Dip Clin Biochem

Awards to Staff Members

QHPSS Promoting Excellent Performance Award – Ms L Sampson BSc
Project: - Evaluation of analytical issues relating to renin, aldosterone and cortisol in the investigation of hypertension.

Public Service Relevant to Research

Dr PE Hickman

Editorial Board - Clinica Chimica Acta
Chief Examiner RCPA (Chemical Pathology)

DEPARTMENT OF MICROBIOLOGY

Staff

Director:	Graeme Nimmo
Chief Scientist:	Jacqueline Harper
Supervising Scientists:	Robert Gibb Wayne Monaghan Ken Stallard
QA/R&D Scientist:	Jacqui Schooneveldt
Registrar:	William Hope

Current Research Activities

1. Clinical Trials
 - Linezolid Trial*
 - BMS-284756 versus Piperacillin/tazobactam Trial*
 - Voriconazole Trial*
2. Other Research
 - *Staphylococcus aureus* resistance survey (Australian Group for Antimicrobial Resistance)
 - Gram negative resistance survey (AGAR)
 - Enterococcal resistance survey (AGAR)
 - *Streptococcus pneumoniae* resistance survey (AGAR)
 - SENTRY Surveillance Study*
 - Non-multiresistant MRSA study^c
 - VRE screening by PCR^a
 - MRSA screening by PCR^b
 - Legionellosis diagnosis by PCR

Funding

* Activities marked with asterisks are funded by pharmaceutical companies.

^a Funded by QHPSS grant.

^b Funding application to PAH Foundation pending.

^c Collaborative project with members of CRC for Diagnostics.

Publications

1. Nimmo GR, Schooneveldt J, O'Kane G, McCall B, Vickery A. (2000) Community Acquired Gentamicin-Sensitive MRSA in South-East Queensland, Australia. *J. Clin. Microbiol.* 38 3926-3931.
2. Chen S, Sorrell T, Nimmo G, Speed B, Currie B, Ellis D, Marriott D, Peiffer T, Parr D, Byth K. (2000) Epidemiology and host- and variety-dependent characteristics of infection due to *Cryptococcus neoformans* in Australia and New Zealand. *Clin. Infect. Dis.* 31 499-508.

Publications

(Cont'd)

3. Bartley PB, Schooneveldt JM, Looke DFM, Morton A, Johnson DW, Nimmo GR. (2001) The relationship of a clonal outbreak of *Enterococcus faecium vanA* to methicillin-resistant *Staphylococcus aureus* incidence in an Australian hospital. J. Hosp. Infect. 48 43-54.
4. Johnson DW, Bartley PB, Looke DFM, Nimmo GR. (2000) Vancomycin-resistant enterococci: seek and ye shall find Med. J. Aust. 172 42-43.
5. Schooneveldt JM, Marriott RK, Nimmo GR. Detection of a vanB determinant in *Enterococcus gallinarum* in Australia J. Clin. Microbiol. 38 3902.
6. G.R. Nimmo (2000) Antimicrobials 2000: A hard act to follow? ASA Newsletter 3 6-7

Published Abstracts

1. Harper JJ, Davis LF, Nimmo GR (2000) In-House Trial of Vitek 2. Microbiology Australia 21 A124 (abstract)
2. Bell JM, Schooneveldt JM, Turnidge JD, Nimmo GR (2000) Fluoroquinolone Resistance in *Streptococcus pneumoniae*: Results from the SENTRY Surveillance Program (1998-99; Asia, Australia and South Africa) Microbiology Australia 21 A84 (abstract)
3. Flohr G, Schooneveldt J, Nimmo GR (2000) Enterococcal Identification in the VRE Era Microbiology Australia 21 A123 (abstract)
4. Gibb R, McGoldrick C (2000) Serological assays for EBV: Comparison of the Gull and Panbio EBV VCA IgM and EBNA IgG assays. Microbiology Australia 21 A154 (abstract)
5. Nimmo GR, Schooneveldt J, O'Kane G, McCall B, Vickery A (2000) Community-Acquired, Gentamicin-Sensitive MRSA in South-East Queensland. Antimicrobials 2000 – Annual Scientific Meeting of the Australian Society for Antimicrobials, Sydney

Lectures and Presentations

G.R. Nimmo (2001) "Targeted Surveillance" Annual Scientific Meeting of the Australian Society for Antimicrobials, Melbourne, 5-7 April 2001.

Awards to Staff Members

J.M. Schooneveldt – QHPSS Promoting Excellent Performance Award

Public Service Relevant to Research

G. Nimmo:

- Member of the editorial board of 'Pathology'
- Deputy Chairman of the Australian Group for Antimicrobial Resistance
- Member of the national executive committee of the Australian Society for Antimicrobials

J. Harper

- Convenor of the clinical subcommittee of the scientific program committee of the Annual Scientific Meeting (2000) of the Australian Society for Microbiology

W. Monaghan

- National Councillor, Australian Institute of Medical Science

