# Contents

Chairman’s Report ................................................................................................................. 3  
Research & Development Foundation .................................................................................. 5  
Division of Clinical Support ................................................................................................ 8

### Allied Health

- Audiology ......................................................................................................................... 9
- Occupational Therapy ....................................................................................................... 12
- Nutrition & Operational Support Services ...................................................................... 15
- Physiotherapy .................................................................................................................. 19
- Social Work ..................................................................................................................... 22
- Speech Pathology ............................................................................................................ 25

- Pharmacy ......................................................................................................................... 29
- Acquired Brain Injury Outreach Service ......................................................................... 34
- Spinal Outreach Team .................................................................................................... 36
- Transitional Rehabilitation Program ............................................................................... 39

### Nursing Services

- Nursing Research Unit ................................................................................................... 46

### Division of Surgery

- Breast, Endocrine, Thoracic Unit ................................................................................... 49
- Colorectal Unit ............................................................................................................... 51
- Liver Transplantation Unit .............................................................................................. 54
- Queensland Melanoma Project ...................................................................................... 61
- Neurosurgery Department .............................................................................................. 64
- Urology & Renal Transplantation Unit ........................................................................... 66

### University of Queensland Department of Surgery

- Aortic Valve Research Group .......................................................................................... 74
- Upper GI Unit .................................................................................................................. 76
- Liver Research Group ...................................................................................................... 80
- Surgical Oncology Laboratories ...................................................................................... 86
- Ophthalmology ............................................................................................................... 90

### Division of Medicine

- Alcohol & Drug Assessment Unit .................................................................................... 92
- Brain Injury Rehabilitation Unit ...................................................................................... 94
- Clinical Immunology & Allergy Department .................................................................. 95
- Clinical Pharmacology Department ............................................................................. 97
- Dermatology Department ............................................................................................ 101
- Diabetes & Endocrinology Department ........................................................................ 103
- Gastroenterology & Hepatology Department ............................................................... 108
- Geriatric Medicine Department ..................................................................................... 118
- Haematology Department ............................................................................................. 120
- Infection Management Services ................................................................................... 125
- Intensive Care Unit ......................................................................................................... 129
- Internal Medicine Department ....................................................................................... 131
- Medical Oncology Department ..................................................................................... 134
- Nephrology Department ............................................................................................... 138
- Respiratory Medicine Department ................................................................................ 152
- Rheumatology Department ............................................................................................ 155
- Spinal Injuries Unit ........................................................................................................ 157
- Vascular Medicine Department ...................................................................................... 159

Annual Review 2000
Contents

University of Queensland Department of Medicine
  Cardiovascular Imaging Group................................................................. 163
  Geriatric Research Laboratory............................................................ 173
  Hypertension Unit............................................................................. 175
  Metabolic Research Unit................................................................. 180
  Therapeutics Research Group......................................................... 184
University of Queensland Centre for Immunology & Cancer Research................................. 193
Division of Mental Health
  Aged Care Mental Health Service..................................................... 206
  Division of Mental Health............................................................... 208
Queensland Health Pathology Services..
  Chemical Pathology Department..................................................... 218
  Haematology Department (see Division of Medicine)
  Immunology Department (see Division of Medicine)
  Microbiology Department................................................................ 220
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
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 - Charted 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  Director Audiology
   Dr Julie Thomason  Audiologist
   Ms Grace Lin  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 investigating 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


Lectures and presentations


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
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**


2. **Articles which have been accepted for publication**


   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**


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


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


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


Articles which have been accepted for publication in 2000


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 Ingidenous Health Centre

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

*Jodie Boyd Nutrition management in oncology/haemotology. 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, 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 Queensland University of Technology MAppSc
Ingrid Hickman University of Queensland MMedSc
Winsome Abbott Deakin University 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
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


• 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


Published Abstracts


Lectures and Presentations

   Suzanne Kuys. Balance performance following fractured hip.

*International Pre-Olympic Sport Science Congress, Brisbane, Sept 2000.
   Sandy Brauer. Balance ability in masters athletes.

   Sandy Brauer. Compensatory stepping in balance-impaired elders.

   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

Annual Review 2000
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 Linda Marsh
  Qld Chair Neurology Group Suzanne Kuys
  Qld Treasurer Neurology Group Carleen Stone
  Qld Neurology Group Member Dominique Hayes
  Meg Richards
  Maryann Schubert
SOCIAL WORK DEPARTMENT

Staff

Sue Cumming  Director - Social Work Department
Margo Newman  Senior Social Worker Aged Care
Patricia Fronek  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)

Annual Review 2000  22
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 Fronek (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


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)
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


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


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


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


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


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

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


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


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)
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       Susan Cobcroft
                                      Robyn Hurley
(OHU) Pharmacists                Christine Carrington
Senior Pharmacist Education,     Judith Coombes
Conjoint Lecturer School of Pharmacy,
University of Queensland
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 Supression 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


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

Annual Review 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


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


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


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

Annual Review 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>F.T.E</th>
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</thead>
<tbody>
<tr>
<td>Mr Raymund Quinn</td>
<td>Manager</td>
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<tr>
<td>Dr Pim Kuipers</td>
<td>Research &amp; Development Officer</td>
<td>1.0</td>
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<td></td>
<td>Allied Health Staff</td>
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<tr>
<td></td>
<td>Administrative Support</td>
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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

B. $8,000

C. $206,405 + ‘in kind’ over 3 years 2000–2002

Source

B. Princess Alexandra Hospital Research & Development Foundation

C. Australian Research Council  ARC- SPIRT
Publications which have appeared in 2000


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


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


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


Lectures and Presentations
(cont’d)


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)
Department

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

Staff

<table>
<thead>
<tr>
<th>Staff member</th>
<th>Position</th>
<th>Level</th>
<th>FTE**</th>
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<tbody>
<tr>
<td>Greg Ungerer</td>
<td>Manager</td>
<td>PO5</td>
<td>1 FTE</td>
</tr>
<tr>
<td>Melissa Kendall</td>
<td>Research Officer</td>
<td>PO3</td>
<td>0.5 FTE</td>
</tr>
<tr>
<td>Jennifer Campbell</td>
<td>Physiotherapist</td>
<td>PO3</td>
<td>1 FTE</td>
</tr>
<tr>
<td>Melissa Wallace</td>
<td>Occupational Therapist</td>
<td>PO3</td>
<td>1 FTE</td>
</tr>
<tr>
<td>Sue Booth</td>
<td>Social Worker</td>
<td>PO3</td>
<td>1 FTE</td>
</tr>
<tr>
<td>Marilyn Boulton</td>
<td>Clinical Nurse</td>
<td>L2</td>
<td>1 FTE</td>
</tr>
<tr>
<td>Jeff Daley</td>
<td>Business Coordinator*</td>
<td>AO5</td>
<td>0.5 FTE</td>
</tr>
<tr>
<td>Susan Tiscia</td>
<td>Rehabilitation Assistant</td>
<td>OO3</td>
<td>0.5 FTE</td>
</tr>
<tr>
<td>Roslyn Jones</td>
<td>Administrative Assistant</td>
<td>AO2</td>
<td>1 FTE</td>
</tr>
</tbody>
</table>

* 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 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**

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.


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.


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.


*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

<table>
<thead>
<tr>
<th>Staff member</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Melissa Kendall</td>
<td>Doctor of Philosophy</td>
<td>Griffith University</td>
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<td>School of Human Services</td>
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<td>Logan Campus</td>
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</table>
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 u 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


Articles which have been accepted for publication


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**


**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**

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


Lectures and Presentations


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

Annual Review 2000
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 Czisowski
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


PUBLICATIONS
(Cont’d)


ARTICLES WHICH HAVE BEEN ACCEPTED FOR PUBLICATION


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:-


"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
STAFF

A/Prof Stephen Lynch  Dr Peter Moran
Prof Jonathon Fawcett  Dr Iain Salkield
Dr Tony Griffin  Dr Norris Green
Dr Darrell Wall  Dr Robert Bond
Prof Russell Strong  Dr Janene Solomos
Prof Paul Kerlin  Dr Peter Whiting
A/Prof Darrell Crawford  Dr Mark McCullen
Dr Bruce Burrow  Dr Katherine Stuart
Dr Barton McKenzie
Dr Julie Jonsson
Dr Elizabeth Powell  Senior Scientist
Dr Nina Saxton  Glenda Balderson
Prof Sue Tett
Dr Peter Pillans  Unit Secretary
Dr Paul Taylor  Sandra Bukumirovic
Dr Paul Salm
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

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

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

Publications


Publications
(cont’d)


Annual Review 2000 57
**Articles which have been accepted for publication**


**Abstracts which have been published**


**Lectures and Presentations**

**A/Prof Stephen Lynch**


**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)


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


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

**CURRENT RESEARCH ACTIVITIES**

<table>
<thead>
<tr>
<th>STATUS</th>
<th>SPONSOR / TRIAL IDENT.</th>
<th>TRIAL TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full accrual COMPLETED</td>
<td>NHMRC Trials Centre Research Protocol</td>
<td>Randomised trial of Vaccinia Melanoma Cell Lysate vaccine- patients with high-risk malignant melanoma</td>
</tr>
<tr>
<td>With Ethics Committee Current</td>
<td>Schering Plough E96-368-05 (SCH 52635)</td>
<td>A Phase II study of Temodal (SCH52635) in the treatment of patients with previously treated metastatic melanoma.</td>
</tr>
<tr>
<td></td>
<td>PAH Melanoma Clinic Rhone Poulenc Rorer Pharmaceuticals</td>
<td>Phase I-II studyof Doctaxel with Dacarbazine in patients with metastatic melanoma</td>
</tr>
<tr>
<td>Current</td>
<td>Queensland Health M.Smithers</td>
<td>Queensland Melanoma Register</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Isolated limb infusion for recurrent melanoma isolated to the limb.</td>
</tr>
<tr>
<td>Recruitment at PAH ceased during year</td>
<td>Polartech</td>
<td>Evaluation of automated instrumentation for the diagnosis of invasive melanoma - Image analysis of oil epiluminescence microscopy.</td>
</tr>
<tr>
<td>Current</td>
<td>Maxim Pharmaceuticals MP-MA-0102</td>
<td>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.</td>
</tr>
</tbody>
</table>

Annual Review 2000
FUNDING:  Qld Health for Queensland Melanoma Register  Annual - $52,000

PUBLICATIONS


PUBLISHED ABSTRACTS


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


POSTERS


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


Annual Review 2000
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 Neuorsurgeon 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),

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:

<table>
<thead>
<tr>
<th>Funding source</th>
<th>Duration</th>
<th>Title</th>
<th>Investigators</th>
<th>Funds for 2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australasian Urological Foundation</td>
<td>1 year (2000)</td>
<td>Research into proximal tubule cell mitogenesis may lead to new therapeutic options in the treatment of renal cell carcinoma.</td>
<td>Nicol</td>
<td>$20,000</td>
</tr>
</tbody>
</table>

Publications


Publications (cont’d)


Articles which have been accepted for publication


Abstracts which have been published


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

Abstracts which have been published
(cont’d)


Abstracts which have been published (cont’d)


Lectures and Presentations

Dr David Nicol


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

Lectures and Presentations


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**

<table>
<thead>
<tr>
<th>Funding</th>
<th>M Smithers</th>
<th>$75,000</th>
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<tbody>
<tr>
<td>NHMRC</td>
<td>M Smithers</td>
<td>$60,000</td>
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</table>

**Publications**


Published Abstracts


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 Australiasian 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)


Public Service Relevant to Research

DC Gotley

- President, Surgical Reseach 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**


Publications which have appeared in 2000

(Cont’d)


Articles which have been accepted for publication


Abstracts which have been published


Abstracts which have been published
(Cont’d)


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


*Australian Gastrointestinal Trials Group Annual Scientific Meeting. Coolum. August 2000
“Preoperative radiotherapy for rectal cancer – pathological aspects. “


Annual Review 2000
**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”

“Update symposium on GIT Pathology. (Lectures and slide seminar)


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


*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”


**Postgraduate Students**

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

Annual Review 2000 84
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
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.

   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


Book Chapters


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


Lectures and Presentations


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

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
Staff

Professor Lawrence Hirst  Department Head
Christudas Morais  Senior Research Assistant

Publications


Lectures and Presentations


Postgraduate Students

Glenda Nolan PhD Student
Division of Medicine
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.


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.


Other Research

The Role of Neurotransmitter Receptor Genes (A1 Allele of the D2 Dopamine Receptor, GABAA β3 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


Articles which have been accepted for publication


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 Hazleton, 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.

Publications

Articles accepted for publication

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:


Articles Accepted for Publication in 2000


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

h) 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.


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


Publications

Original Peer Reviewed Publications 2000 (Cont’d)


Articles which have been accepted for publication


Abstracts which have been published


Abstracts which have been published
(Cont’d)


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 elevate 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


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.
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
Dr Margaret Williamson MBBS, FRACP

Endocrinologist (University of Queensland)
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 PPARγ 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


Publications
(Cont’d)


Accepted for Publication


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

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
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 evidence 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**  

**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

- 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


Publications which have appeared in 2000

(Cont’d)


Publications which have appeared in 2000

(Cont’d)


Articles which have been accepted for publication


Annual Review 2000 115
Abstracts which have been published


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**

<table>
<thead>
<tr>
<th>Role</th>
<th>FTE</th>
<th>Name</th>
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<tbody>
<tr>
<td>Director</td>
<td>1.0FTE</td>
<td>Dr Paul Varghese</td>
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<tr>
<td>Staff Specialist</td>
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<td>Dr Phil Aitken</td>
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<tr>
<td>Visiting Specialist</td>
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<td>Dr Glenda Powell</td>
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<tr>
<td>Visiting Specialist</td>
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<td>Dr Glenise Berry</td>
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<tr>
<td>Locum Visiting Specialist</td>
<td>0.2FTE</td>
<td>Dr Peter Kortlucke</td>
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<tr>
<td>Senior Registrars</td>
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<td>Dr Rohan Grimley</td>
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<td>Dr Jane Campbell</td>
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<td>Dr Owen Davies</td>
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<tr>
<td>Research Nurse</td>
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<td>Chris Watts</td>
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</tbody>
</table>

**Current Research Activities**


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**

Lectures and Presentations

1. Varghese PN "The Care of the Elderly Sick" - MD200

2. Varghese PN "The Changes Associated with normal Ageing" -MD200

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 trial of CHOP chemotherapy plus Rituxan vs CHOP chemotherapy alone for previously untreated, clinically aggressive (IPI ≥2) intermediate/high grade CD20 Non-Hodgkin's Lymphoma


Annual Review 2000
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.


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


Abstracts


Invited Lectures and Presentations


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 Marilton

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

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 HSANZ, 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

Annual Review 2000 124
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 if 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
**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 Gillead  
# 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


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


Articles which have been accepted for publication


Abstracts which have been published


2. Bartley PB, Schooneveldt JM, Johnson DW, Stackeroth 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.


Lectures and Presentations
Dr Michael 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-resistant 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)


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)
Staf

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 Haeomodynamics 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 Haeomodynamics in Normal Healthy Volunteers

Publications


Lectures and Presentations


Consent in Clinical trials. PA Week 2001


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


Postgraduate Students - 2000

<table>
<thead>
<tr>
<th>Completed Post Grad Studies</th>
<th>Undertaking Post Grad. Studies</th>
</tr>
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<tbody>
<tr>
<td>Sabina Muldoon Grad Cert QUT</td>
<td>Carolyn Griffiths MA Crit. Care (QUT)</td>
</tr>
<tr>
<td>Daisy Ip Grad Cert QUT</td>
<td>Peta Richards MA Crit. Cr (GU)</td>
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<tr>
<td>Rebecca Gauci Grad Cert QUT</td>
<td>Leonie Diekmann MA Crit Cr (GU)</td>
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<tr>
<td>Debbie Carney Grad Cert QUT (Neuro elect. rpl)</td>
<td>Alison Juers MA Adult &amp; Workplace Ed. (QUT)</td>
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<tr>
<td>Cathy Schmich Grad Cert QUT</td>
<td>Jenny Hawkins MA Nursing (QUT)</td>
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<tr>
<td>Hoan Dang Grad Cert QUT (Neuro elect. rpl)</td>
<td>Jean Helyar Grad Dip Adult &amp; Workplace Ed (USQ)</td>
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<td>Rod Hurford</td>
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<td>Tony Wilson MA Crit. Care (GU)</td>
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<td>Vicki Campbell Grad Dip Crit Cr (QUT)</td>
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Annual Review 2000
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


Articles submitted in 2000 which have been accepted for publication


Lectures and Presentations

Ian Scott

*Improving in-hospital care of elderly patients. Grand Rounds, Royal Brisbane Hospital. 21/2/2000
*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
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 Metastatic Melanoma
• 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


LECTURES AND PRESENTATIONS

D. Thomson

*ISOP – Internation 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
**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).


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).


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).


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).


q) Genetic linkage studies of familial focal segmental glomerulosclerosis. (Rana K, Isbel N, Johnson DW, Buzz M, Daghe H, Savige J).


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)


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 15-0195 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 sevelemar 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)

   - role of nitric oxide
   - role of angiotensin II
   - effect of angiotensin II blockade and HMGCoA reductase inhibition

   - 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-1β stimulated human proximal tubule cells and renal cortical fibroblasts) (Vesey DA, Cheung C, Johnson DW).


e) The role of macrophages and secreted interleukin-1β 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


Publications

Publications which have appeared in 2000

(Cont’d)


Articles which have been accepted for publication


Annual Review 2000
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


4. Johnson DW. Management of Tenckhoff exit sites. Nephrology

5. Johnson DW. Maintaining clearance in peritoneal dialysis. Nephrology


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


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)


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)


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)


Presentations


Presentations

(Cont’d)


Presentations

(Cont’d)


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 36th 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.
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


PUBLISHED ABSTRACTS


PUBLISHED ABSTRACTS
(cont’d)


POSTGRADUATE STUDENTS

Dr Khoa Tran (Research Fellow)
Ms Chrisystantine Paramayuda (Master Student, Griffith University)
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-TNFα 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)

- 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-TNFα 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


Articles which have been accepted for publication


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 Bassingthwaithe - 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


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

Other Research


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


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

Funding

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

Lectures and Presentations

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


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


TRP/SPOT Reference Committee. T Geraghty, Fronek P
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


Articles accepted for Publication


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 veinous thrombosis, Harry Gibbs

**Awards to Staff Members**

  Amanda Spargo  
  *Best Poster Presentation : Venous outflow with bladder distension*  
  **Australian Sonographers Association 7th National Conference, BRISBANE**
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

   left ventricular function after bypass surgery in patients with severe left ventricular
dysfunction: impact of preoperative myocardial function, perfusion, and metabolism. Eur

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.

   Strain: Validation of a New Myocardial Doppler Technique for Prediction of Regional

   estimation of cardiac risk in stable chest pain patients. The Economics of Noninvasive


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

    and risk prognosis. Cardiology Review 2000
Publications which have appeared in 2000
(cont’d)


Articles which have been accepted for publication


Articles which have been accepted for publication
(cont’d)


Abstracts published in 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


Abstracts published in 2000

(cont’d)


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


Abstracts published in 2000

(Cont’d)


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.


“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.


"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
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-)
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-)
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-)
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

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Amount</th>
</tr>
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<tbody>
<tr>
<td>Geriatric Medical Foundation of Queensland</td>
<td>$ 50,000</td>
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<tr>
<td>Parkinson's Queensland Incorporated</td>
<td>$ 15,000</td>
</tr>
<tr>
<td>Public Donations</td>
<td>$ 10,000</td>
</tr>
</tbody>
</table>

Publications

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


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


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


**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.


**Abstracts Which Have Been Published**


**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.


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.


Poster Presentations


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).
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 Auxiliary 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


Publications

Papers published in 2000
(Cont’d)

4. Wallace JD, Cuneo RC (2000) Growth hormone and sport  Int Growth Monitor 10(2) 2-6


Articles which have been accepted for publication


3. Norman RJ, Kidson WJ, Cuneo RC, Zacharin M, on behalf of the Endocrine society of Australia, the Australian Diabetes 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


Lectures and Presentations

Associate Professor Ross Cuneo


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 senstivitiy 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


Abstracts which have been published


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


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)


**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 Tabritz, Iran May 28, 2000

* Skin penetration of sunscreens to Sol Gel Pty Ltd, Tel Aviv, Israel May 4, 2000
IN VITED 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
Geffen J  PhD 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

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

Annual Review 2000
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
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

RESEARCH OFFICERS

Dr Wen-Jun Liu
MBBS Shandong Medical University,
PhD Institute of Virology Chinese Academy
of Preventative Medicine

Ela Martin
BSc (Hons), BMedSci Sydney University

Dr Ibtissam Abdul Jabbar
BSc, MSc, PhD University of Queensland

Dr Brendan O’Sullivan
BSc(Hons), PhD University of Queensland

Dr Devinder Gill
MBChB (Birm), MRCP (UK), FRCPA

Karen Malcolm
BSc MSc James Cook University

Dr Simone Zehntner
BSc (Hons), PhD Griffith University

Dr David Leavesley
BSc (Hons), PhD London University College

Dr Juliet Martin
MBBS Qld, BSc (Hons)
VISITING FELLOW

Dr Huayang Go  
MBBS Chongquing China

Dr Lifang Zhang  
MBBS Wenzhou Medical College

Dr Yuehua Liu  
MBBS Peking Union Medical College

RESEARCH ASSISTANTS

Nancy Blanch  
BSc (Hons)

Dr. Amanda Boyce  
BSc Otago University NZ,  
PGradDip Sci Christchurch

Dr. Alison Dahler  
BSc(Hons)

Renee England  
BSc(Hons)

Dr. Rachel DeKuyver  
BSc(Hons)

Kathryn Greenwood  
BAppSc University of South Australia

Dr. Joanne Hiatt  
BSc(Hons)

Jon Hartas  
BAppSc Canberra College  
of Advanced Education

Lani Hardy  
BSc(Hons)

Vithagna Khammanivong  
BSc(Hons)

Dr. Jagadish Padmanabha  
BSc Kerala University  
BDS Bangalore University  
MDS Mangalore University  
MSc Vrije University Brussels

Stephanie Meyer  
B.BiomedSc

Janine Richards  
BSc(Hons)

Louise Knop  
BSc(Hons) Hlodelft Tech Univ  
The Netherlands

Olivia White  
BSc(Hons)

Liz Tomlinson  
BSc(Hons) Monash University

Dr Yan Xu  
MBBS Gui Yang

Elizabeth Payne  
BSc(Hons)
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)

Dr Xiaosong Liu  
MBBS Zunyi Medical College,  
Masters School of Medicine  
West China University of Medicine  
(PhD commenced 1998)

Peter Manders  
BSc(Hons)  
(PhD commenced 1996)

Simei Ng  
BSc(Hons) University of NSW  
(PhD commenced 2000)

Lilliana Munoz  
BSc(Hons)  
(PhD commenced 1999)

Allison Pettit  
BSc(Hons)  
(PhD commenced 1997)

Claudia Popa  
BSc(Hons)  
(PhD commenced 1999)

Trina Stewart  
BSc, P Grad Dip Sc  
(PhD commenced 1998)

Maggie Serewko  
BSc(Hons) James Cook University  
(PhD commenced 1999)

Angus Thompson  
BSc(Hons) University of WA  
(PhD/MBBS commenced 2000)

Mengyong Yan  
MMedSci, MBBS  
(PhD commenced 1999)

NURSING SISTERS

Ngaire Wendt  
BNursing University of Southern Queensland

Sue McFadyen RN

HONOURS STUDENTS

Kathleen O’Connell  
BSc

Shian Lim  
BSc

Annual Review 2000
Current Research Activities

G J 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

I H 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.

**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)**

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 - 2000/2001 N 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
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**


BPV1 E2 enhances packaging a full length plasmid 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

E2F1 induces proliferation specific genes in human epidermal keratinocytes
Oncogene 19 (Jan 2000): 2887-2894

Functional characterisation of cultured cells derived from an intraepidermal carcinoma of the skin (IEC-1) Experimental cell research 258 (2) : 352-360

HPV6b virus like particles are potent immunogens without adjuvant in man
Vaccine 18 (11-12) : 1051-1058

Immune responses induced by BCG recombinant for human papillomavirus L1 and E7 proteins
Vaccine 18 (22) : 2444-2453

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, Mcfadyen 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

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
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 Broom (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)
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**


   Open Extension Study Evaluating the Safety and Tolerability or Oral Ziprasidone I 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)

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.  
      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**

<table>
<thead>
<tr>
<th>Organisation</th>
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<tr>
<td>Quintelles Pty Ltd</td>
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<tr>
<td>IBAH Pty Ltd</td>
<td>$  3,351</td>
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</tbody>
</table>

**Other Research**

HIV and Depression – Training and Development of Group Program  
Weller A, Dickinson N.  
Funding: AIDS Trust of Australia ($6,000)

Weller A.  
Funding: Disability Services Queensland ($3,500)

**Publications**

1. **Publications which have appeared in 2000**


Publications

1. **Publications which have appeared in 2000**
   (Cont'd)


2. **Published Abstracts**


2. **Published Abstracts**

(Cont'd)


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)


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)

2. **Published Abstracts**  
(Cont’d)


**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


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 fur Klinische Chemie und Pathobiochemie, Klinikum rechts der Isar, Technische Universität Munchen
“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


Publications
(Cont’d)


Published Abstracts


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)


Lectures and Presentations


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