RESEARCH REPORT

2016

RENAL DEPARTMENT
ST GEORGE & SUTHERLAND HOSPITALS
It is a great privilege to present the annual research report for 2016. I will take this opportunity to highlight some of the year’s key achievements. The work done by our Renal Supportive Care and Obstetrics Medicine groups is increasingly recognised nationally and internationally. As a result, Dr Brennan and Prof Brown were invited to deliver lectures in Australia as well as overseas. A/Prof Katz and Dr Maria Chan were also invited to deliver lectures in international conferences.

Researchers at the department of Renal Medicine published 28 articles in peer-reviewed journals and two book chapters. Importantly, protocols for developing, disseminating, and implementing a core outcome set for pre-eclampsia, and the ongoing Postpartum Physiology, Psychology and Paediatric Follow Up Study (P4 Study) were published. These studies are progressing well and Dr Mangos and Pettit presented abstracts on hypertensive pregnancies in the ISSHP 2016 World Congress, which was held in Sao Paulo, Brazil.

A/Prof Badve was awarded PhD by the University of Queensland in 2016. A/Prof Badve is also affiliated with the Australasian Kidney Trials Network and the George Institute for Global Health. He is the lead-investigator of the CKD-FIX Study. This trial is evaluating the effect of allopurinol on the progression of chronic kidney disease. In just 6 months, we recruited 25 patients in this trial and our site is the second top recruiting site for this study. We envisage participating in more multicentre and collaborative studies in coming years.

Another highlight of 2016 was that several members of our nursing team published peer-reviewed manuscripts and presented abstracts in conferences. The contribution of nurses Yanella Martinez-Smith, Coralie Meek, Dr Shelley Tranter, Elizabeth Josland, Kylie Turner, Tania Burns, Jennifer Beddoe, Claire Cuesta, Emma Vella, Maria De Rueda, Fiona Robinson, Saiyini Pirabhahar; social worker Hannah Burgess and dietitian Dr Maria Chan is vital to the research output of our unit.

Finally, I would like to take this opportunity to highlight that we are committed to support our junior medical staff and medical students in developing interest and skills research. Opportunities are available for candidates interested in pursuing PhD.

A/Prof. Sunil Badve

Head of Research

St. George Renal Department

Professor Mark Brown

Director, Dept. Renal Medicine
Head of Department

Professor Mark Brown
MBBS, MD, FRACP

Senior Consultant Staff

Associate Professor John Kelly MBBS, MD, FRACP

Associate Professor George Mangos MBBS, MD, FRACP

Associate Professor Ivor Katz MD, MBBCh, FCP(SA), BSc Honours, PhD, FRACP

Associate Professor Sunil Badve MBBS, MD, DNB, FRACP, PhD, FASN

Dr Parthasarathy Shanmugasundaram MBBS, DM, FRACP (Conjoint Lecturer, UNSW)

Dr Cathie Lane B.Pharm. B.Med FRACP, Grad Cert ULT, PhD (Conjoint Lecturer, UNSW)

Dr Franziska Pettit MB BCh, BAO, MSci, MRCPI, FRACP

Dr Frank Brennan MBBS, FRACP, FChPM, LLB- Consultant Palliative Care Medicine
Research Staff

Research Fellows & students

Dr Vishwas Raghunath

Research Officers

Saiyini Pirabhahar (BNurs, MHlthSci, PGrad Dip Med Lab Sci)
Paula Williamson (RN, RM, Grad.Dip.Counselling)
Lynne Roberts (RN, MMid, MHlthSci)

Nursing & Allied Health contributors to Research

Alison Smyth (RN, B Health Sci. (Nursing), Grad. Dip. Health Sci. (Nursing))
(Anna) Claire Cuesta (RN, BScNsg, Grad Cert Acute Care Nursing – Renal)
Elizabeth Josland (Grad Dip Nurs, MPH)
Hannah Burgess (BSocWk)
Jennifer Beddoe (BNurs, Grad. Dip. Mid)
Kylie Turner (RN, Bnurs, Grad Cert Renal Nursing)
Maria Chan (BSc(Hons), M NutrDiet, GradDipExSpSc, PhD, AdvAPD)
Tania Burns (RN, Grad Cert. Acute Care Nursing (Renal))
Yanella Martinez-Smith (BNurs, MNursAP)
RECENT AND ONGOING RESEARCH PROJECTS

Chronic Kidney Disease (CKD)

1. CKD-FIX study
2. Hypertension in CKD

Hypertension in pregnancy

2. Post-partum physiology, psychology and paediatric outcomes for women with pre-eclampsia (the ‘P4’ study).

Peritoneal and Haemodialysis

1. Peritoneal Dialysis Outcomes and Practice Patterns Study (PDOPPS)
2. Failure to mature, reduced survival and morbidity with the Fistula First Initiative for HDx access

Transplant

1. Improving the renal transplant recipient inpatient experience

Renal Supportive Care

1. The outcomes of patients on a Renal Supportive care pathway
2. Is true consent for dialysis always given?
3. Predicting the outcome for patients on a conservative care pathway
4. Experiences of patients and carers of people with advanced CKD on non-dialysis pathway
PRESENTATIONS

Invited Lectures – Local

23. **Brennan F.** Complex symptom management in End Stage Kidney Disease (ESKD). Renal Supportive Care Symposium, St George Hospital. July 29th 2016.
31. **Brennan F.** The nature of Palliative Care. Department of Geriatrics, Nepean Hospital, Penrith. August 26th
32. **Brennan F.** Management of pruritus. Department of Dermatology, St George Hospital. September 14th 2016.
33. **Brennan F.** Motor Neurone Disease. Calvary Hospital Community Health staff. September 26th 2016.
34. **Brennan F.** Palliative Care in Residential Aged Care Facilities. General Practitioner, St George Hospital. October 6th 2016.
36. **Brennan F.** Difficult symptoms in Palliative Care – pruritus and hiccups. NSW Palliative Care Conference, Broken Hill. October 14th 2016.
37. **Brennan F.** Cardiology and Palliative Care. General Practitioner Education Session, Port Macquarie. October 26th 2016.
42. **Brown M.** NSW Renal Supportive Care Program. ACI Renal Network Annual Forum. Sydney. NSW. March 16th 2016.
43. **Brown M.** Decision making: when is dialysis the right pathway? Orange Hospital. Orange. NSW. April 15th 2016.
51. Chan M. 7 point scale Subjective Global Assessment (SGA), Renal Nutrition Education day. NSW Renal dietitians group, St. George Hospital, Sydney. 2016
Invited Lectures – National

2. Brennan F. *Symptom management in ESKD*. Kidney Supportive Care Master Class, Royal Brisbane and Womens’ Hospital, Brisbane. August 6\(^\text{th}\) 2016.
7. Brennan F. *Pain management in End Stage Kidney Disease (ESKD)*. Department of Nephrology, Gold Coast University Hospital. December 1\(^\text{st}\) 2016.
8. Brennan F. *Advance Care Planning in End Stage Kidney Disease (ESKD)*. Department of Nephrology, Gold Coast University Hospital. December 1\(^\text{st}\) 2016.

Invited Lectures – International

5. Chan M. Nutrition screening in managing kidney diseases, 18th International Congress
Presentations of Research at Scientific Meetings

**Local**


**National**


2. **Chan M.** The 1, 2, 3 of counting fluids (poster presentation), 52nd ANZSN annual scientific meeting, Perth 2016.


International


PUBLICATIONS

General Nephrology


Renal Supportive & Palliative Care


Renal Obstetric Medicine


**Other**

