




RESEARCH REPORT 2014



**Renal Department
St George & Sutherland Hospitals**

Head of Department

Professor Mark Brown

MBBS, MD, FRACP

Senior Consultant Staff

Dr Sharon Ong BSc (Med), MBBS, PhD, FRACP (Conjoint Senior Lecturer, UNSW),

Head of Research, Dept. Renal Medicine.

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Shelley Tranter
Tania Burns
Jennifer Beddoe
Yanella Martinez-Smith
Coralie Meek
Kylie Turner
Claire Cuesta
Maria Chan



RECENT AND ONGOING RESEARCH PROJECTS

Hypertension in chronic kidney disease (CKD)

Dr Sharon Ong and A/Prof John Kelly

1. Hypertension in CKD.
2. Endocrine regulation of hypertension and cardiovascular disease in CKD.

CKD health systems research

A/Prof Ivor Katz

1. Achievement of target BP & other risk factors in CKD patients.
2. Patterns of referral for CKD Management.
3. CKD to kidney failure - predictive model.
4. Web based CKD outreach program. (Link: <http://www.iconnect-care.com.au/>)

Hypertension in pregnancy

**Prof Mark Brown and A/Prof George Mangos
(with A/Prof Greg Davis and A/Prof Tony O'Sullivan)**

1. The 'new' R-A-A system in pre-eclampsia.
2. Body composition in normal pregnancy.
3. Outcomes of hypertensive pregnancies.
4. Post-partum physiology, psychology and pediatric outcomes for women with pre-eclampsia (the 'P4' study).

PRESENTATIONS

Invited Lectures – Local

2014

1. **Brennan F.** Renal Supportive Care - An Overview - General Practice Education Session. Port Macquarie. March 27th 2014.
2. **Brennan F.** Renal Supportive Care. Part 1. Palliative Care India, Kerala, India. [Lecture by Skype] May 2nd 2014.
3. **Brennan F.** Palliative Care in Chronic Disease. Aboriginal Health and Medical Research Council, Sydney. May 7th 2014.
4. **Brennan F.** Renal Palliative Care – An Overview. South Eastern Sydney Medicare Local. Kogarah. May 8th 2014
5. **Brennan F.** Renal Supportive Care Part 2. Palliative Care India, Kerala, India. [Lecture by Skype] May 16th 2014.
6. **Brennan F.** The management of pruritus. Palliative Care Education Day. NSW Palliative Care Association. Royal Prince Alfred Hospital. May 23rd 2014
7. **Brennan F.** Renal Palliative Care – Sri Lanka. Project Shanti Meeting, Sydney. May 25th 2014
8. **Brennan F.** Symptom management in End Stage Renal Disease. NSW Hospital Pharmacists Symposium, Sydney University. June 14th 2014
9. **Brennan F.** Renal Supportive Care. Part 3. Palliative Care India, Kerala, India. [Lecture by Skype] June 20th 2014
10. **Brennan F.** The general role of Palliative Care (with reference to non-malignant diseases including Renal Supportive Care)- Facilitated hypothetical. Medicare Local, Tamworth, NSW. June 25th 2014.
11. **Brennan F,** Burgess H and Josland L. Renal Supportive Care. NSW Palliative Care Social Workers Conference, Mercure Hotel, Railway Square, Sydney. June 27th 2014
12. **Brennan F.** What is new in Renal Supportive Care? Renal Supportive Care Symposium, St George Hospital, Sydney. August 1st 2014.
13. **Brennan F.** Case studies in symptom management in Renal Supportive Care. Renal Supportive Care Symposium, St George Hospital, Sydney. August 1st 2014.
14. **Brennan F.** Brown MA and Stallworthy E . Case Study – Panel Discussion. Renal Supportive Care Symposium, St George Hospital, Sydney. Aug 2014

15. **Brennan F.** Palliative Care, Ethics and End of Life Care – with an emphasis on non-malignant diseases including Chronic Kidney Diseases. Health, Law, Ethics and Equity : what is the connection? 2014 Hunter New England Quality and Scientific Program, Newcastle. August 21st 2014.
16. **Brennan F.** Renal Supportive Care – An Overview. Forum on End of Life Care, Health Advisory Committee to the NSW Minister of Health, Sydney. Sep 9th 2014.
17. **Brennan F.** Renal Supportive Care – An Overview. Grand Rounds, Taree Hospital, Taree, NSW. Sep 25th 2014.
18. **Brennan F.** Renal Supportive Care – An Overview. NSW Palliative Care Trainees. Greenwich Hospital, Sydney. Oct 3rd 2014.
19. **Brennan F.** HOPE Project - Renal Supportive Care at St George and Sutherland Hospitals. St George Hospital Board Room. Nov 18th 2014.
20. **Brown MA.** Medical Management of Pre-eclampsia. ANZCA Obstetric Anaesthesia Special Interest Group. Sydney. March 22nd 2014.
21. **Brown MA.** Renal transplantation, diabetes and pregnancy – a good mix? Servier NSW Endocrine and Renal Medicine meeting Sydney. May 3rd 2014.
22. **Brown MA.** The Dialysis long case. BPT Master Class for Sydney BPT trainees. St George Hospital. Sydney May 6th 2014.
23. **Brown MA.** HOPE : Helping Older Patients with End-stage Kidney Disease UNSW Rural Medical School Update Series. Wagga Wagga. NSW. October 1st 2014.
24. **Josland E.** Supportive Care in ESKD. Advanced Palliative Care Course. Sydney. 2014
25. **Josland E.** Panel Discussion: Chronic Disease Management Renal Palliative Care. PCNA Conference, Sofitel Sydney Wentworth. April 6th 2014.
26. **Josland E.** Nursing Management in Renal Supportive Care, The St George experience. Renal Supportive Care Symposium, St George Hospital, Sydney. Aug 1st 2014.
27. **Josland E.** Panel Discussion: Chronic Disease Management-Renal Palliative Care. University of Notre Dame, Darlinghurst, Sydney. Aug 20th 2014
28. **Josland E.** Workshop: Up close and personal; Palliative Care and inter-professional practice. "Renal and Renal Supportive Care" Palliative Care NSW Conference, Menzies Hotel, Sydney Oct 10th 2014.
29. **Katz I.** CKD what to do next and why it matters. Kidney Check Australia Taskforce (KCAT) workshop, May 2014.

30. **Katz I.** Managing challenging cases. General Practitioner Conference & Exhibition (GPCE) May 2014.
31. **Katz I.** iConnect CKD-Chronic Kidney Disease Outreach Program. Virtual Consulting are we ready or able? NSW Renal Group. Aug 2014
32. **Katz I.** Decision making and symptom control in end stage kidney disease. South Eastern Sydney Medicare Local. Sydney Aug 2014
33. **Katz I.** Management of Stage 4 & 5 Chronic Kidney Disease. Eastern Sydney Medicare Local. Sep 2014.
34. **Mangos G.** Hypertension and 24 hour Blood Pressure Control. South Eastern Sydney Medicare Local. Sydney Oct 2014

Invited Lectures – National

1. **Brennan F.** Difficult conversations with patients and families regarding withdrawing from dialysis. End Stage Renal Care Symposium. Kidney Health Australia and South Australian Renal Clinical Network, University of Adelaide, Adelaide. April 30th 2014.
2. **Brennan F.** Renal Supportive Care – An Overview. Parliamentary Friends of Palliative Care. Parliament House, Canberra. Organised by Palliative Care Australia. August 26th 2014.
3. **Brennan F.** Symptom management in End Stage Kidney Disease. Combined Conference of Pain Australia and Palliative Care Queensland (PCQ), Brisbane. Dec 5th 2014.
4. **Brown MA.** Hypertension Pathophysiology and Management. Nephrology 101 course, ANZSN Melbourne. Feb 15th 2014.
5. **Brown MA.** Hyponatremia, hypokalemia, metabolic alkalosis. Nephrology 101 course, ANZSN, Melbourne. Feb 15th 2014.
6. **Brown MA.** Renal Supportive Care for Home dialysis patient. Biennial Australian & New Zealand Home Dialysis Conference, Melbourne. March 5-7th 2014.
7. **Brown MA.** Pre-eclampsia research. Pre-eclampsia Consortium. Mercy Hospital. Melbourne. Vic. Oct 3rd 2014
8. **Josland E.** End Stage Kidney Disease: Improving patient choices towards end of life. Health Roundtable, Rydges Hotel, Melbourne. Nov 13th 2014

9. **Mangos J.** Treatment of Hypertension. Cardiovascular Catalyst Meeting. High Blood Pressure Research Council of Australia Annual Scientific Meeting, Adelaide, 2014

Invited Lectures – International

1. **Brennan F.** Renal Palliative Care – An Overview - Half Day Seminar - Nephrologists, Palliative Care Physicians. Colombo, Sri Lanka. March 31st 2014.
2. **Brennan F.** Renal Palliative Care – An Overview - Half Day Seminar - Nephrologists, Palliative Care Physicians. Anuradhapara Hospital, Anuradhapara, Sri Lanka. April 1st 2014.
3. **Brennan F.** Renal Palliative Care – An Overview - Half Day Seminar - Nephrologists, Palliative Care Physicians. Trivandrum Medical College, Trivandrum, India. April 2nd 2014.
4. **Brennan F.** Renal Palliative Care – An Overview - Half Day Seminar - Nephrologists, Palliative Care Physicians. Pallium India, Trivandrum, Kerala, India. April 3rd 2014.
5. **Brennan F.** Renal Palliative Care – An Overview. Nephro Club, Trivandrum, Kerala, India. April 3rd 2014.
6. **Brennan F.** Cognitive impairment and medical decision-making. Palliative Care Ethics Symposium. Hospice Malaysia, Kuala Lumpur, Malaysia. April 26th 2014.
7. **Brennan F.** Withdrawing and withholding life –sustaining treatment. Palliative Care Ethics Symposium. Hospice Malaysia, Kuala Lumpur, Malaysia. April 27th 2014.
8. **Brennan F.** Ethical issues in non-cancer patients. Palliative Care Ethics Symposium. Hospice Malaysia, Kuala Lumpur, Malaysia. April 27th 2014.
9. **Brennan F.** Care of the dying patient with Chronic kidney disease and the pathogenesis and management of uraemic pruritus. British Columbia Association of Nephrology Conference, Vancouver, British Columbia, Canada.
10. **Brown MA.** ISSHP classification and diagnosis of hypertensive pregnancies : proteinuria in perspective. Japanese Society for the Study of Hypertension in Pregnancy. Tokyo. Japan. 18th Sept 2014.
11. **Chan M.** Nutritional Care for the Conservatively Managed CKD patients, including end of life care, Dietitians' Perspectives, 17th International Congress of Nutrition and Metabolism in Renal Disease (ICNMRD), Wurzburg, Germany. May 2014.
12. **Chan M.** Renal Nutrition Seminar for doctors, dietitians and nurses, National Kidney Foundation, Kuala Lumpur, Malaysia. Aug 2014.

13. **Chan M.** Renal Nutrition Forum for doctors, dietitians and nurses, National Kidney Foundation, Hong Kong, China. Aug 2014

Presentations of Research at Scientific Meetings

Local

1. **Bency R, Ho FM, Williamson PM, Pirabhahar S, Beddoe J, Kelly JJ, Ong SLH.** Ambulatory Blood Pressure Monitoring (ABPM) parameters and the effect of night time blood pressure medications on nocturnal dipping and morning blood pressure surge in patients with chronic kidney disease. St George and Sutherland Research Symposium. Sydney, Oct 2014.
2. **Cuesta C, Tranter S, De Rueda M & Vella E.** Transition from Peritoneal Dialysis. St George & Sutherland Research Symposium, Sydney Oct 2014
3. **Katz IJ, Pirabhahar S, Kelly J, O'Sullivan A, Youssef G, Lane C, Ong S, Brennan F, Josland E, Mangos G, Shanmugasundaram P, Tranter S & Brown MA.** Web-Based Chronic Kidney Disease outreach and connecting care program. St George & Sutherland Research Symposium, Sydney, Oct 2014
4. **Pettit F, Mangos GJ, Davis G, Henry A & Brown MA.** Is superimposed pre-eclampsia different from de-novo pre-eclampsia? St George and Sutherland Research Symposium, Sydney, Oct 2014
5. **Pettit F, Spaan J, Mangos GJ, Davis G, Henry A & Brown MA.** The role of the vasodilator R-A-A system in hypertensive pregnancy. St George and Sutherland Research Symposium, Sydney, Oct 2014

National

1. **Bency R, Ho FM, Williamson PM, Pirabhahar S, Beddoe J, Kelly JJ, Ong SLH.** Ambulatory Blood Pressure Monitoring (ABPM) parameters and the effect of night time blood pressure medications on nocturnal dipping and morning blood pressure surge in patients with chronic kidney disease. High Blood Pressure Research Council of Australia Annual Scientific Meeting, Adelaide, 2014
2. **Burns T.** The experience of people who are living on dialysis with end stage renal disease and waiting for a kidney transplant from a deceased donor. Transplant Nurses Association National conference. Perth 2014
3. **Cuesta C, Tranter S, De Rueda M & Vella E.** Transition from Peritoneal Dialysis. Annual Renal Society of Australia Conference. Melbourne Aug 2014
4. Hoy WE, Healy HG, Waugh D, Jose M, Cooke D, Kulkarni H, Rosman J, **Katz I,** Nelson C, Panaretto K & Walker R. Toward a National Surveillance Network for Chronic Kidney Disease (CKD.NET). ANZSN. Aug 2014.

5. **Josland E**, Collett G, **Brennan F**, Foot C & **Brown M**. Palliative care and symptom control on a non dialysis pathway. Annual Renal Society of Australia Conference. Melbourne Aug 2014.
6. **Josland E**. Palliative Care and Symptom Control on a non dialysis pathway. Annual Scientific Meeting of the ANZSN & Renal Society of Australasia Conference, Melbourne Aug 2014
7. **Katz IJ, Pirabhahar S, Kelly J, O'Sullivan A, Youssef G, Lane C, Ong S, Brennan F, Josland E, Mangos G, Shanmugasundaram P, Tranter S & Brown MA**. Web-Based Chronic Kidney Disease outreach and connecting care program. ANZSN Aug 2014
8. **Martinez-Smith Y**. Identifying fistula stenosis using ultrasound. Vascular Access Workshop, Renal Society of Australia. Melbourne, Aug 2014
9. **Pettit F, Spaan J, Mangos GJ, Davis G, Henry A & Brown MA**. The role of the vasodialator R-A-A system in hypertensive pregnancy. ANZSN, Melbourne, Aug 2014.
10. Preece R, **Cuesta C, Mangos G and Ong S**. Improvements in peritoneal dialysis practice and outcomes in a metropolitan renal unit. ANZSN, Melbourne. 2014.
11. Redzepagic S, Ho FM, Williamson PM, **Pirabhahar S, Beddoe J, Kelly JJ & Ong SLH**. Performance of the BpTRU automatic blood pressure monitor in the assessment of blood pressure control in patients with chronic kidney disease. High Blood Pressure Research Council of Australia Annual Scientific Meeting, Adelaide, 2014
12. **Tranter S & Cuesta C**. Evaluation of a pre peritoneal dialysis assessment and education program. Home Therapies Conference. Melbourne 2014
13. **Tranter S, Josland E & Smyth A**. Ethnicity status is associated with the future treatment choice – home dialysis therapy vs. assisted haemodialysis in end stage kidney disease patients attending the pre-dialysis clinic. Annual Renal Society of Australia Conference. Melbourne Aug 2014
14. **Tranter S, Josland E & Smyth A**. Are people enrolled in a predialysis program more likely to start on a home therapy than those who are not? Annual Renal Society of Australia Conference. Melbourne Aug 2014
15. **Tranter S**. Enter the Productive Ward. Productive Series Conference. Melbourne 2014.

International

1. **Chan M, Kelly J**, Batterham M and Tapsell L.. Change of Clinical and Nutrition Profiles of Patients at Enrolment to the to the Multi-Disciplinary, Pre-dialysis Assessment Clinic, 4/2002 to 3/2007 vs. 4/2007 to 3/2012. 17th International Congress of Nutrition and Metabolism in Renal Disease ICNMRD, May 2014 Wurzburg, Germany.
2. **Cuesta A & Tranter S, De Rueda M and Vella E**. Transition from peritoneal dialysis. International Society of Peritoneal Dialysis. Madrid, Spain 2014
3. **Pettit F, Mangos GJ**, Davis G, Henry A & **Brown MA**. Is superimposed pre-eclampsia different from de-novo pre-eclampsia? International Society for the Study of Hypertension (ISSHP), New Orleans, Nov 2014
4. **Pettit F**, Spaan J, **Mangos GJ**, Davis G, Henry A & **Brown MA**. The role of the vasodilator R-A-A system in hypertensive pregnancy. International Society for the Study of Hypertension (ISSHP), New Orleans, Nov 2014
5. **Pettit F, Mangos GJ**, Davis G, Henry A & **Brown MA**. Is early onset of pre-eclampsia worse for mother or baby? International Society for the Study of Hypertension (ISSHP), New Orleans, Nov 2014
6. Preece R, **Cuesta C, Mangos G and Ong S**. Improvements in peritoneal dialysis practice and outcomes in a metropolitan renal unit. International Society of Peritoneal Dialysis. Madrid, Spain. 2014

Publications

1. Bautovich A, **Katz I**, Smith M, Loo CK & Harvey SB. Depression and chronic kidney disease: A review for clinicians. ANZJP 2014; 48(6) 530-541.
2. **Brennan FP**, Murrell DF. Report from the Inaugural Australian Pruritus Symposium, Sydney, Australia, August 10 2013. *Acta Derm Venereol* 2014;94(1): 123
3. **Brennan FP**. Dignity: a Unifying Concept for Palliative Care and Human Rights. *Progress in Palliative Care* 2014; 22(2) : 88-96.
4. **Brennan FP**. Kenneth Slessor's Five Bells – the eternal in the instant. *Journal of Palliative Care* 2014; 30(1): 62-63.
5. **Brennan FP**. Book review of Dykstra L (ed) Bury the dead – Stories of death and dying, resistance and discipleship. *Journal of Palliative Care* 2014; 30(3): 193.
6. **Brennan FP**. The Right to Palliative Care. *War Cry*, November 2014; 6604 ; 12-13. Originally published on the website of *The Nathaniel Centre of Bioethics*
7. **Brown MA** Pre-eclampsia in 2014: seven ways to make a difference. *Pregnancy Hypertens*. 2014; 4: 249-52.

8. **Burns T** & Fernandez R. Experiences of adults on dialysis and waiting for a renal transplant from a deceased donor: a systematic review protocol. *JBI Database of Systematic Reviews & Implementation Reports*. 2014;12(7) 173-191.
9. **Chan M, Kelly J**, Batterham M and Tapsell L. A High Prevalence of Abnormal Nutrition Parameters Found in Pre-Dialysis End Stage Kidney Disease: Is it a Result of Uraemia or Poor Eating Habits? *J Ren Nutr*. 24 (5), 292-302, 2014
10. Ekici AB, Hackenbeck T, Morinière V, Pannes A, Buettner M, Uebe S, Janka R, Wiesener A, Hermann I, Grupp S, Hornberger M, Huber TB, Isbel N, **Mangos G**, McGinn S, Soreth-Rieke D, Beck BB, Uder M, Amann K, Antignac C, Reis A, Eckardt K-U, Wiesener MS. Renal fibrosis is the common feature of autosomal dominant tubulointerstitial kidney diseases caused by mutations in mucin 1 or uromodulin. *Kidney Int* Vol 84 (9) 589-599.
11. Foote C, Morton RL, Jardine M, Gallagher M, **Brown M**, Howard K, Cass A. CONSIDER – Considerations of Nephrologists when Suggesting Dialysis in Elderly patients with Renal failure: A discrete choice experiment. *Nephrol Dial Transplant* (2014) 29: 2302–2309
12. Hassan CHI, **Brennan FP, Collett G, Josland EA, Brown MA**. Efficacy and safety of Gabapentin for Uremic Pruritus and restless Legs Syndrome in Conservatively Managed Patients with Chronic Kidney Disease. *J Pain Symp Manage* 2014 Sept 8 [Epub ahead of print]
13. Livingstone JR, Payne B, **Brown M**, Roberts JM, Côté AM, Magee LA, P von Dadelsen for the PIERS Study Group. Uric acid as a predictor of adverse maternal and perinatal outcomes in women hospitalized with pre-eclampsia. *J Obstet Gynaecol Can* 2014;36(10):870–877.
14. Luckett T, Sellars M, Tieman J, Pollock CA, Silvester W, Butow P, Detering K, **Brennan FP**, Clayton J. Advance Care Planning for Adults with CKD : A Systematic Review. *Am J Kid Dis* 2014 ; 63(5): 761-770.
15. Sebaratnam DF, Martin LK, Venugopal SS, **Mangos G**, Freiman J, de Souza P, Farnsworth A, Cheung K, Scolyer RA, Murrell DF. Diffuse melanosis cutis in the setting of BRAF(V600E) metastatic melanoma. *Int J Dermatol*. 2014(11) 1409-1411.
16. Tranquilli AL, Dekker G, Magee L, Roberts J, Sibai BM, Steyn W, Zeeman GG & **Brown MA**. The classification, diagnosis and management of the hypertensive disorders of pregnancy: a revised statement from the ISSHP. *Pregnancy Hypertens* 2014; 4: 97-104
17. **Tranter S, Cuesta AC & Ong S**. Evaluation of a pre-peritoneal dialysis assessment and education programme. *Renal Soc of Aust J*, 2014;10(3), 112-115.
18. **Turner K & Burns T**. The role of a renal transplant recipient coordinator in a non-transplanting unit. *Transplant J Aust*. 2014;23(3), 7-9.

BOOK CHAPTERS

1. Katz I. Case 1: Renal Problems: Jeff is worried as his mother died on dialysis. RACGP CHECK – Independent learning program for GPs publication; Unit 507 July 2014.
2. Katz I. Living with Kidney Failure: Your extensive guide. Kidney Health Australia. 8th Edition.

AWARDS

Renal Society of Australia - **Author Award** was awarded to **Ms Elizabeth Josland** for the best published journal article in the Renal Society of Australasia Journal.



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