



Research Report

2018 - 2020

*Renal Department
St George & Sutherland Hospitals*

2020 Report

Head of Department

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RECENT AND ONGOING RESEARCH PROJECTS

Chronic Kidney Disease (CKD)

1. Resistant Hypertension in CKD (PRECISION)
2. Oral iron (Daprodustat) compared to darbepoetin alfa in dialysis and non-dialysis CKD patients (ASCEND-D & ASCEND-ND)
3. Polycystic kidney disease and water intake.
4. Glomerular Disease Registry
5. A phase 1b/IIa, open label, multicentre clinical trial to assess safety and efficacy of the human Ant-CD-38 Antibody MOR202 ub Anti-PLA2R antibody positive membranous nephropathy (aMN) – M-PLACE
6. Treatment of Cardiovascular disease with low dose Rivaroxaban in Advanced Chronic Kidney Disease (TRACK)

Hypertension in pregnancy

1. Body composition in post-partum women.
2. Post-partum physiology, psychology and paediatric outcomes for women with pre-eclampsia (the 'P4' study).

Peritoneal and Haemodialysis

1. Failure to mature, reduced survival and morbidity with the Fistula First Initiative for HDx access
2. DAMPER- Dietary Approach to Manage Progressive and End stage Renal disease.
3. Pragmatic randomised trial of High or Standard Phosphate targets in end stage kidney disease.

Transplant

1. Screening kidney transplant recipients for coronary artery disease (CARSK)

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

1. **Brennan F.** Taste changes and Chronic Kidney Disease. Renal Dieticians Education Day, Sydney. August 6th 2020.
2. **Brennan F.** Palliative Care and COVID-19. Grand Rounds presentation, St George Hospital, Sydney. Co-presented with Dr Jan Maree Davis. September 3rd 2020.
3. **Brown MA** Homelessness, Hope and 2020 Medicine. The Malcolm Schonell Memorial Lecture. St George Hospital February 6th 2020.
4. **Brown MA.** The Classification & diagnosis of hypertensive disorders in pregnancy. ANSC Hypertension Webinar update, Central and Eastern Sydney PHN Oct 2020.
5. **Cuesta, AC.** Claria & Sharesource in St George – Remote Patient Management and Monitoring Technology in PD. Invited speaker, SGH Patient Safety and Clinical Quality Meeting, Sydney, 16th June 2020
6. **Katz I.** Discharge Summaries and Transfer of Care – Improving communication and Relationships between Tertiary institutions and General Practice. Sutherland Hospital Jan 2020
7. **Martinez-Smith Y.** Vascath care. In-service 4S, St George Hospital. Sydney. Jan 2020.
8. **Martinez-Smith Y.** Haemodialysis CVAD. CVAD Workshop. St George Hospital. Sydney. Feb 2020.
9. **Martinez-Smith Y.** Vascular Access Workshop. 4S, St George Hospital. Sydney. Mar 2020.
10. **Martinez-Smith Y.** Decannulation. ICU, St George Hospital. June 2020.
11. **Martinez-Smith Y.** Vascular Access. RMO education 4S, St George Hospital. Sydney. Jun 2020.
12. **Martinez-Smith Y.** Introduction into Fistula. 4S. Sydney. Jul 2020.
13. **Martinez-Smith Y.** Vascath Care. Calvary Hospital. Sydney. Jul 2020.
14. **Martinez-Smith Y.** Advanced Vascath Care workshop. 4S. Sydney. Aug 2020.
15. **Martinez-Smith Y.** Advanced Vascath Care workshop. 4S. Sydney. Aug 2020.
16. **Martinez-Smith Y.** Vascath Access physical assessment. 4W. Sydney. Aug 2020.
17. **Martinez-Smith Y.** Vascular Access. RMO education 4S, St George Hospital. Sydney. Aug 2020.
18. **Martinez-Smith Y.** 2019 VA outcomes. Vascular Access Meeting, St George Hospital. Sydney. Aug 2020
19. **Turner K.** A case to improve integration - Discharge summaries/ Transfer of Care – St George Hospital Grand Rounds Feb 2020.

Invited Lectures – National

1. **Brennan F.** Human Horizons. Colloquium 'On Human Horizons' – Hobart, University of Tasmania. January 11th 2021.
2. **Cuesta, AC.** Remote Patient Management and Monitoring Technology in PD. Invited guest speaker, Bicentennial ANZ Home Dialysis Conference, Canberra ACT, 27th February 2020

Invited Lectures – International

1. **Brennan F.** Renal Supportive Care – An overview. Indian Palliative Care Conference, Gauwahti, India. February 15th 2021.
2. **Brennan F.** Multiple tutorials on all aspects of Palliative Care including Renal Supportive Care – Cancer Hospital, Silchar, Assam, India. February 17-21, 2020.
3. **Brennan F.** Renal Supportive Care – An overview. Department of Renal Medicine. Mumbai University Hospital, Mumbai, India. February 24th 2020.
4. **Brennan F.** Respiratory Diseases and End of Life Care. Virtual presentation at Respiratory Supportive Care Master Class, Khon Kaen, Thailand. August 19th 2020.
5. **Brennan F.** Motor Neurone Disease and Palliative Care. Virtual presentation to Palliative Care Education Series, Cape Town, South Africa. August 25th 2020.

PUBLICATIONS

General Nephrology

1. Ashley J, McArthur E, Bota S, Harel Z, Battistella M, Molnar AO, Jun M, **Badve SV**, Garg AX, Manuel D, Tanuseputro P, Wells P, Mavrakanas T, Rhodes E, Sood MM. Risk of Cardiovascular Events and Mortality Among Elderly Patients With Reduced GFR Receiving Direct Oral Anticoagulants. *Am J Kidney Dis.* 2020 Sep;76(3):311-320. doi: 10.1053/j.ajkd.2020.02.446. Epub 2020 Apr 22. PMID: 32333946.
2. **Badve SV**, Pascoe EM, Tiku A, Boudville N, Brown FG, Cass A, Clarke P, Dalbeth N, Day RO, de Zoysa JR, Douglas B, Faull R, Harris DC, Hawley CM, Jones GRD, Kanellis J, Palmer SC, Perkovic V, Rangan GK, Reidlinger D, Robison L, Walker RJ, Walters G, Johnson DW; CKD-FIX Study Investigators. Effects of Allopurinol on the Progression of Chronic Kidney Disease. *N Engl J Med.* 2020 Jun 25;382(26):2504-2513. doi: 10.1056/NEJMoa1915833. PMID: 32579811.
3. Chen Q, Wang Z, Zhou J, Chen Z, Li Y, Li S, Zhao H, **Badve SV**, Lv J. Effect of Urate-Lowering Therapy on Cardiovascular and Kidney Outcomes: A Systematic Review and Meta-Analysis. *Clin J Am Soc Nephrol.* 2020 Nov 6;15(11):1576-1586. doi: 10.2215/CJN.05190420. Epub 2020 Oct 14. PMID: 33055192
4. Chou A, Long C, Vonthehoff L, Ho SJ, **Pettit F**, **Badve SV**. Crystalglobulinemia in Multiple Myeloma: A Rare Case Report of Survival and Renal Recovery. *Can J Kidney Health Dis.* 2020 May 18;7:2054358120922629. doi: 10.1177/2054358120922629. eCollection 2020. PMID: 32523708

5. Chung EY, Risi D, Holt JL, Lonergan M, Kotwal S, Yong K, **Smyth B**, Chen JH, Wen C. A retrospective study on the epidemiology of ANCA-associated vasculitis in two Australian health districts. *Intern Med J*. 2020 Oct 11. doi: 10.1111/imj.15098.
6. Davies SJ, Zhao J, Morgenstern H, Zee J, Bieber B, Fuller DS, Sloand JA, Vychytil A, Kawanishi H, Johnson DW, Wang AY, Kanjanabuch T, Boongird S, Moraes TP, **Badve SV**, Pisoni RL, Perl J. Low Serum Potassium Levels and Clinical Outcomes in Peritoneal Dialysis-International Results from PDOPPS. *Kidney Int Rep*. 2020 Nov 22;6(2):313-324. doi: 10.1016/j.ekir.2020.11.021. eCollection 2021 Feb. PMID: 33615056.
7. Evans RDR, **Smyth B**, Levin A, Jha V, Wheeler D, Jardine M, Perkovic V, Damster S, Malik C, de Zeeuw D, Hiemstra T. The International Society of Nephrology Advancing Clinical Trials (ISN-ACT) Network: current activities and future goals. *Kidney Int*. 2020 Dec 10:S0085-2538(20)31422-8. doi: 10.1016/j.kint.2020.10.048. Epub ahead of print. PMID: 33309956.
8. Harris DCH, Davies SJ, Finkelstein FO, Jha V, Bello A, **Brown MA** et al. Strategic plan for integrated care of patients with kidney failure. *Kidney International* 2020; 98(5):S117-S134
9. Htay H, Cho Y, Pascoe EM, Hawley C, Clayton PA, Borlace M, **Badve SV**, Sud K, Boudville N, Chen JH, Sypek M, Johnson DW. Multicentre registry data analysis comparing outcomes of culture-negative peritonitis and different subtypes of culture-positive peritonitis in peritoneal dialysis patients. *Perit Dial Int*. 2020 Jan;40(1):47-56. doi: 10.1177/0896860819879891. PMID: 32063153
10. **Hultin S**, Fisher C, Thebridge L, Pollock C. Orthostatic Renal Transplant Compression Following Weight Gain Leading to Acute Kidney Injury. *Transplant Proc*. 2020 Jan-Feb;52(1):153-156. doi: 10.1016/j.transproceed.2019.11.006. Epub 2020 Jan 7. PMID: 31924406.
11. **Hultin S**, Nahar K, Menzies AM, Long GV, Fernando SL, Atkinson V, Cebon J, Wong MG. Histological diagnosis of immune checkpoint inhibitor induced acute renal injury in patients with metastatic melanoma: a retrospective case series report. *BMC Nephrol*. 2020 Sep 7;21(1):391. doi: 10.1186/s12882-020-02044-9. PMID: 32894101.
12. **Hultin S**, Hood C, Campbell KL, Toussaint ND, Johnson DW, **Badve SV**. A Systematic Review and Meta-Analysis on Effects of Bicarbonate Therapy on Kidney Outcomes. *Kidney Int Rep*. 2020 Dec 31;6(3):695-705. doi: 10.1016/j.ekir.2020.12.019. eCollection 2021 Mar. PMID: 33732984
13. **Hultin S**, Johnson DW, **Badve SV**. Recent evidence on the effect of treatment of metabolic acid on the progression of kidney disease. *Curr Opin Nephrol Hypertens*. 2021 May 19. doi: 10.1097/MNH.0000000000000728. Online ahead of print. PMID: 34009141.
14. Kwan E, Draper B, Endre ZH, Harvey SB, **Brown MA**. Prevalence, Types and Recognition of Cognitive Impairment in Dialysis Patients in South Eastern Sydney. *Internal Medicine Journal*. 2020; published July 16th. 10.1111/imj.14976
15. Lam S, **Hultin S**, Preston J, Campbell S. Temporal Change in Blood Group after Bone Marrow Transplant: A Case of Successful ABO-Incompatible Deceased Donor Transplant. *Case Rep Transplant*. 2020 Jul 24;2020:7461052. doi: 10.1155/2020/7461052. eCollection 2020. PMID: 32774979.
16. Li K, **Brown MA** Consenting for dialysis or its alternative: systematic process is needed. *CJASN*. 2020; 15 (4) 560-562.

17. Lioufas NM, Pedagogos E, Hawley CM, Pascoe EM, Elder GJ, **Badve SV**, Valks A, Toussaint ND; on behalf of the IMPROVE-CKD Investigators. Aortic Calcification and Arterial Stiffness Burden in a Chronic Kidney Disease Cohort with High Cardiovascular Risk: Baseline Characteristics of the Impact of Phosphate Reduction On Vascular End-Points in Chronic Kidney Disease Trial. *Am J Nephrol*. 2020;51(3):201-215. doi: 10.1159/000505717. Epub 2020 Feb 5. PMID: 32023606
18. Lunney, M; Bello, A; Levin, A; Tam-Tham, H; Thomas, C; Osman, M; Ye, F; Bellorin-Font, E; Benghanem Gharbi, M; Ghnaimat, M; Htay, H; Cho, Y; Jha, V; Ossareh, S; Rondeau, E; Sola, L; Tchokhanelidze, I; Tesaø, V; Tungsanga, K; Kazancioglu, RT; Wang, A; Yang, C-W; Zemchenkov, A ; Zhao, M-H; Jager, K; Jindal, K K; Okpechi, I; Brown, E; **Brown, M**; Tonelli, M; Harris, D; Johnson, D; Caskey, F; Davison, S. Availability, accessibility, and quality of conservative kidney management worldwide: a substudy of the Global Kidney Health Atlas. *Clin J Am Soc Nephrol*. 2020; 16(1):79-87
19. Luyckx VA, **Smyth B**, Harris DCH, Pecoits-Filho R. Dialysis funding, eligibility, procurement, and protocols in low- and middle-income settings: results from the International Society of Nephrology collection survey. *Kidney Int Suppl*. 2020;10(1):e10-e18.
20. O'Connell PJ, **Brown M**, Chan TM, Claire-Del Granado R, Davies SJ, Eiam-Ong S, et al. The role of kidney transplantation as a component of integrated care for Chronic Kidney Disease *Kidney International Supplements*. 2020; 10 (1):e78-e85.
21. Ng JK, **Smyth B**, Marshall MR, Kang A, Pinter J, Bassi A, Krishnasamy R, Rossignol P, Rocco MV, Li Z, Jha V, Hawley CM, Kerr PG, DI Tanna GL, Woodward M, Jardine AM. Relationship between measured and prescribed dialysate sodium in haemodialysis: a systematic review and meta-analysis. *Nephrol Dial Transplant*. 2020 Dec 26:gfaa287. doi: 10.1093/ndt/gfaa287.
22. Shaman AM, **Smyth B**, Arnott C, Palmer SC, Mihailidou AS, Jardine MJ, Gallagher MP, Perkovic P, Jun M. Comparative Efficacy and Safety of BP-Lowering Pharmacotherapy in Patients Undergoing Maintenance Dialysis: A Network Meta-Analysis of Randomized, Controlled Trials *Clin J Am Soc Nephrol*. 2020 Aug 7;15(8):1129-1138.
23. **Smyth B**, Chan CT, Grieve SM, Puranik R, Zuo L, Hong D, Gray NA, de Zoysa JR, Scaria A, Gallagher M, Perkovic V, Jardine M. Response to: Loutradis et al. Longer Dialysis Sessions Improve Cardiac Systolic Function by Reducing Myocardial Stunning. *J Card Fail*. 2020 Sep 3:S1071-9164(20)30946-5. doi: 10.1016/j.cardfail.2020.09.001.
24. **Smyth B**, Zuo L, Gray NA, Chan CT, de Zoysa JR, Hong D, Rogers K, Wang J, Cass A, Gallagher M, Perkovic V, Jardine M. No evidence of a legacy effect on survival following randomization to extended hours dialysis in the ACTIVE Dialysis trial. *Nephrology*. 2020 Jun 5. doi.org/10.1111/nep.13737.
25. **Smyth B**, Chan CT, Grieve SM, Puranik R, Zuo L, Hong D, Gray NA, de Zoysa JR, Scaria A, Gallagher M, Perkovic V, Jardine M. Predictors of change in left-ventricular structure and function in a trial of extended hours hemodialysis. *J Card Fail*. 2020 Apr 14. pii: S1071-9164(19)31786-5.
26. Toussaint ND, Pedagogos E, Lioufas NM, Elder GJ, Pascoe EM, **Badve SV**, Valks A, Block GA, Boudville N, Cameron JD, Campbell KL, Chen SSM, Faull RJ, Holt SG, Jackson D, Jardine MJ, Johnson DW, Kerr PG, Lau KK, Hooi LS, Narayan O, Perkovic V, Polkinghorne KR, Pollock CA, Reidlinger D, Robison L, Smith ER, Walker RJ, Wang AYM, Hawley CM; IMPROVE-CKD Trial

Investigators. A Randomized Trial on the Effect of Phosphate Reduction on Vascular End Points in CKD (IMPROVE-CKD). *J Am Soc Nephrol*. 2020 Nov;31(11):2653-2666. doi: 10.1681/ASN.2020040411. Epub 2020 Sep 11. PMID: 32917784

27. Wong ATY, Munt A, Allman-Farinelli M, **Badve SV**, Boudville N, Coolican H, Chandra AN, Coulshed S, Fernando M, Grantham J, Haloob I, Harris DCH, Hawley CM, Holt J, Johnson DW, Kumar K, Lee VW, Lonergan M, Mai J, Rangan A, Roger SD, Saravanabavan S, Sud K, Torres VE, Vilayur E, Zhang JQJ, Rangan GK. Assessment of Dietary Sodium Intake Using the Scored Salt Questionnaire in Autosomal Dominant Polycystic Kidney Disease. *Nutrients*. 2020 Nov 2;12(11):3376. doi: 10.3390/nu12113376. PMID: 33147804

Renal Supportive Care

1. **Brennan F, Stevenson J, Brown MA**. The Pathophysiology and Management of Taste Changes in Chronic Kidney Disease: A Review. *J Ren Nutrition* 2020; 30(5):368-379.
2. **Brennan F**, Davison SN, **Brown MA**. Difelikefalin and the management of uremic pruritus. *New Engl J Med* 2020; 382(2):2064.
3. **Brennan F**. Author reply. *Internal Med J* 2020; 50(4):506. [In relation to a letter written in response to: Brennan F. The Victorian *Voluntary Assisted Dying Act* comes into operation. *Internal Medicine Journal* 2019; 49: 689-693.]
4. **Brennan F**. Poetry and Palliative Care. *Progress in Palliative Care* 2019; 28(1): 1-3. Reprinted in Australian and New Zealand Society of Palliative Medicine (ANZSPM) Newsletter 2020; 32(1): 1, 12-13
5. **Brennan F**. Contemporary Loss. *Griffith Review* No 68. April 2020
6. Chowdhury R, **Brennan F**, Gardiner M. Cancer Rehabilitation and Palliative Care - exploring the synergies. *J Pain Symptom Management* 2020; 60 (6): 1239-1252.
7. **Dawson J, Hoffman A, Josland E, Smyth A, Brennan F, Brown MA**. Evaluation of health literacy in end-stage kidney disease using a multi-dimensional tool. *Renal Society of Australasia Journal* 2020; 16(2):36-43
8. Ducharlet K, Philip J, Gock H, Brown M, Gelfand SL, Josland EA, **Brennan F**. Moral Distress in Nephrology: Perceived Barriers to Ethical Clinical Care. *Am J Kid Diseases* 2020;76(2):248-254.
9. Hole B, Hemmelgarn B, Brown E, **Brown MA**, McCulloch M, Zuniga C, et al. Supportive care for end-stage kidney disease: An integral part of kidney services across a range of income settings around the world *Kidney International Supplements*. 2020; 10: e86-e94.
10. Li K, Brown MA. Prescribing in Renal Supportive Care. *Australian Prescriber*. 2020. 43 (2): 57-60.
11. Lohman D, **Brennan F**, Brown B et al. The COVID-19 Pandemic, Palliative Care and Human Rights. Briefing Note. The International Association of Hospice and Palliative Care (IAHPC) Website, April 2020.
12. Sheahan L, **Brennan F**. What Matters ? Palliative Care, Ethics, and the COVID-19 Pandemic. *J Bioethical Inquiry* 2020;17(4), 9 November 2020.

13. Siriwardana AN, **Hoffman AT**, **Brennan FP**, Li K, **Brown MA**. Impact of Renal Supportive Care on Symptom burden in dialysis patients: A prospective observational cohort study. *J Pain Symptom Manage* 2020;60(4):725-736.
14. Wearne N, Krause R, Davidson B, **Brennan F** et al. Renal palliative and supportive care in South Africa – a consensus statement. *African J Nephrology* 2020; 23(1):85-106.

Renal Obstetric Medicine

1. **Brown MA**, Roberts LM, **Hoffman A**, Henry A, **Mangos G**, O’Sullivan AJ, **Pettit F**, Youssef G, Xu L, Davis GK. Recognizing Cardiovascular Risk after Preeclampsia: The P4 Study. *Journal of the American Heart Association* 2020; 9(22):18604. 10.1161/JAHA.120.018604.
2. Duffy, JMN, Cairns, AE, Richards-Doran, D, van 't Hooft, J, Gale, C, **Brown, M**, Chappell, LC, Grobman, WA, Fitzpatrick, R, Karumanchi, SA, Khalil, A, Lucas, DN, Magee, LA, Mol, BW, Stark, M, Thangaratinam, S, Wilson, MJ, von Dadelszen, P, Williamson, PR, Ziebland, S, McManus, RJ; the International Collaboration to Harmonise Outcomes for Pre-eclampsia (iHOPE). A core outcome set for pre-eclampsia research: an international consensus development study. *BJOG: An International Journal of Obstetrics & Gynaecology*.2020; 127 (12): 1516-1526.
3. Duffy JMN, Cairns AE, Magee LA, von Dadelszen P, van 't Hooft J, Gale C, **Brown M** et al. Standardising definitions for the pre-eclampsia core outcome set: A consensus development study. *Pregnancy Hypertension*. 2020; 21: 208-217.
4. Henry A, Arnott C, Makris A, Davis G, Hennessy A, Beech A, **Pettit F**, Homer CSE, Craig M, Roberts L, Hyett J, Chambers G, Fitzgerald O, Gow M, Mann L, Challis D, Gale M, Ruhotas A, Kirwin E, Denney-Wilson E, **Brown MA**. Blood Pressure Postpartum (BP2) RCT Protocol: follow-up and lifestyle behaviour change strategies in the first 12 months after hypertensive pregnancy. *Pregnancy Hypertension*. 2020; 22: 1-6
5. Roth H, Homer C , Arnott C , Roberts L, **Brown MA** , Henry A. Assessing Knowledge of Healthcare Providers Concerning Cardiovascular Risk After Hypertensive Disorders of Pregnancy: an Australian national survey. *BMC Pregnancy Childbirth* 2020; 20, 717. <https://doi.org/10.1186/s12884-020-03418-5>.
6. Susic D, Davis G, O' Sullivan AJ, McGovern E, Harris K, Roberts LM, Craig ME, **Mangos G**, Hold GL, El-Omar EM, Henry A.Susic D, et al. Among authors: mangos g. *BMJ Open*. 2020 Sep 15;10(9):e040189. doi: 10.1136/bmjopen-2020-040189. Microbiome Understanding in Maternity Study (MUMS), an Australian prospective longitudinal cohort study of maternal and infant microbiota: study protocol. *BMJ Open*. 2020 Sep 15;10(9):e040189. doi: 10.1136/bmjopen-2020-040189

Other

1. Li K, **Brown MA**. Active medical management without dialysis for patients with advanced chronic kidney disease. In: Moss AH, Lupu DE, Armistead NC, Diamond LH (eds). *Palliative Care in Nephrology*. Chapter 14 : 136-147. Oxford University Press 2020. New York. USA

2019 Report

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RECENT AND ONGOING RESEARCH PROJECTS

Chronic Kidney Disease (CKD)

1. Resistant Hypertension in CKD (PRECISION)
2. Oral iron (Daprodustat) compared to darbepoetin alfa in dialysis and non-dialysis CKD patients (ASCEND-D & ASCEND-ND)
3. Polycystic kidney disease and water intake.

Hypertension in pregnancy

1. Body composition in post-partum women.
2. Post-partum physiology, psychology and paediatric outcomes for women with pre-eclampsia (the 'P4' study).

Peritoneal and Haemodialysis

1. Failure to mature, reduced survival and morbidity with the Fistula First Initiative for HDx access
2. DAMPER- Dietary Approach to Manage Progressive and End stage Renal disease.

Transplant

1. Screening kidney transplant recipients for coronary artery disease (CARSK)

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

1. **Brennan F.** Pruritus – mechanism and management. Sydney Palliative Care Registrars March 5th 2019.
2. **Brennan F.** Dyspnea – Mechanism and Management. Pall Care Education Breakfast for General Practitioners, Port Macquarie. April 17th 2019
3. **Brennan F.** Pruritus – an Overview. Department of Dermatology, St George Hospital. May 1st 2019.
4. **Brennan F.** Total Pain – Palliative Care Training Day, St George Hospital. May 7th 2019.
5. **Brennan F.** What Matters Most? – Baptist Care Conference, Mary Mackillop Centre, Baulkham Hills, Sydney. May 23rd 2019.
6. **Brennan F.** Symptom management in ESKD – Broken Hill, NSW. May 30th 2019.
7. **Brennan F.** The Past, Present and Future of Narrative in Palliative Care – Western Sydney Palliative Care Conference, Penrith. May 31st 2019.
8. **Brennan F.** Religion and end of life. IONA Church, Sutton’s Forrest, NSW. June 30th 2019
9. **Brennan F.** Palliative Care – An Overview. Volunteers, Calvary Hospital. July 3rd 2019.
10. **Brennan F.** Palliative Care in non-malignant settings. Palliative Care Planning Day, Doll’s Point, Sydney. July 9th 2019.
11. **Brennan F.** Informed Consent. Interns, St George Hospital. July 10th 2019.
12. **Brennan F.** Symptom management in ESKD - RSC Symposium, St George Hospital. August 1st 2019.
13. **Brennan F.** Taste changes in Chronic Kidney Disease - Pathophysiology and management. RSC Symposium, St George Hospital. August 2nd 2019.
14. **Brennan F.** The role of a mentor – Sydney Institute of Palliative Medicine (SIPM) Annual Symposium, Concord Hospital, Sydney. Sep 2nd 2019.
15. **Brennan F.** Symptom management in ESKD. Calvary Research Forum. Calvary Hospital. Sep 5th 2019.
16. **Brennan F.** Time. Renal Memorial Service. St George Hospital. Sep 5th 2019.
17. **Brennan F.** Renal Supportive Care (RSC) – An Overview – Palliative Care Trainees (with Dr Michael Noel). Oct 1st 2019.
18. **Brennan F.** Motor Neurone Disease. An Overview. NSW MND Association Education Day, Ryde. Oct 22nd 2019.

19. **Brennan F.** Introduction to Palliative Care – UNSW Medical Students Year 1 and 2. Oct 28th 2019.
20. **Brennan F.** Practical Cancer Pain Management - UNSW Medical Students Year 1 and 2. Oct 28th 2019.
21. **Brennan F.** The law and Nurse Practitioners in Palliative Care. Sydney. Palliative Care Nurse Practitioners Education Day, Sydney. Nov 9th 2019.
22. **Brennan F.** End of Life Care. Pre- Intern training course, St George Hospital. Nov 12th 2019.
23. **Brennan F.** Itch for Beginners. 10th World Congress on Itch, Sydney. Nov 17th 2019.
24. **Brennan F.** Opening Address as Congress President. 10th World Congress on Itch, Sydney. Nov 17th 2019.
25. **Brown MA.** Diagnosis & classification of hypertension in pregnancy. Hypertension in Pregnancy midwives Study Day. St. George hospital. March 27th 2019.
26. **Brown MA.** Diagnosis & classification of hypertension in pregnancy. World Pre-eclampsia Day. Central & Eastern Sydney PHN. St George Private hospital. May 22nd 2019
27. **Brown MA.** Diagnosis & Classification of Hypertension in Pregnancy. Hypertension in Pregnancy midwives study day. St Gorge Hospital, Sydney. June 20th 2018.
28. **Brown MA.** *Setting the scene – what’s new in Renal Supportive Care?* 10th St. George Renal Supportive Care Symposium St. George Hospital. August 1st 2019.
29. **Brown MA.** *Homeless Health – The Mission Australia Clinic.* RPA Grand Rounds (Homelessness week). RPA Sydney. August 9th 2019.
30. **Cuesta AC.** Claria and Sharesource in St George Hospital. Invited guest speaker, Sharesource Masterclass, Sydney, 21st March 2019
31. **Martinez-Smith Y.** Vascath care. In-service FMC, Sydney. March 2019.
32. **Martinez-Smith Y.** Introduction into Vascaths. Central Venous Access Workshop. St George Hospital. Sydney. April 2019.
33. **Martinez-Smith Y.** Fistula Care. In service FMC, Sydney. April 2019.
34. **Martinez-Smith Y.** Scrub the Hub. In-service Satellite unit, Sutherland Hospital. Sydney. April 2019.
35. **Martinez-Smith Y.** Scrub the Hub. In-service 4w, St George Hospital. Sydney. May 2019.
36. **Martinez-Smith Y.** 2018 VA outcomes. Vascular Access Meeting, St George Hospital. Sydney. May 2019

37. **Martinez-Smith Y.** Ultrasound use. Vascular Access Workshop Satellite unit, Sutherland Hospital. Sydney. July 2019.
38. **Martinez-Smith Y.** Vascular Access. RMO education 4S, St George Hospital. Sydney. July 2019.

Invited Lectures – National

1. **Brennan F.** When dialysis is not the best option. World Congress of Nephrology (WCN) Melbourne. Apr 12th 2019.
2. **Brennan F.** Voluntary assisted Dying (VAD) - Implications for Hospital Practice, Mater Hospital Brisbane. July 18th 2019.
3. **Brennan F.** Voluntary assisted Dying (VAD) and vulnerable populations. Royal Brisbane Hospital, Brisbane. July 19th 2019.
4. **Brennan F.** Renal Supportive Care (RSC) - an overview. Palliative Care Trainee Education Day. Perth. Sep 10th 2019.
5. **Brennan F.** Palliative Care as a Human Right- PCA Conference, Perth. Sep 11th 2019.
6. **Brennan F.** Medical Humanities - PCA Conference, Perth. Sep 11th 2019.
7. **Brennan F.** Palliative care in the non-malignant setting. Palliative Care Planning day. South Australia. Sep 23rd 2019.
8. **Brennan F.** Advanced symptom management in end stage kidney disease (ESKD) Part II (Upper gastrointestinal symptoms) and Care of the dying patient with ESKD. Renal Supportive Care (RSC) Master Class, St Vincent's Hospital, Melbourne. Nov 29th 2019.
9. **Brown MA.** Renal Supportive Care and people with advanced renal disease. Renal Supportive Care Masterclass 2019. St Vincent's Hospital. Melbourne. Nov 29th 2019.
10. **Brown MA.** Renal Supportive Care: What is it and does it work? ISN World Congress of Nephrology. Melbourne. Australia. April 12-15th 2019.

Invited Lectures – International

1. **Brennan F.** Renal Supportive Care (RSC) – An Overview. Indian Renal Supportive Care Master Class, Manipal, India. Feb 16th 2020.
2. **Brennan F.** Dialysis decision making in End Stage Kidney Disease (ESKD). Indian Renal Supportive Care Master Class, Manipal, India. Feb 16th 2019.
3. **Brennan F.** Symptom management in End Stage Kidney Disease (ESKD). Indian Renal Supportive Care Master Class, Manipal, India. Feb 16th 2019.
4. **Brennan F.** Renal Supportive Care (RSC) - A Review – Post Graduate students, Cape Town, South Africa. June 7th 2019.

5. **Brennan F.** Renal Supportive Care (RSC) Master Class, Cape Town, South Africa. June 11th 2019.
6. **Brennan F.** Renal Supportive Care (RSC) – A Review. Klipfontein, Mitchell’s Plain, Cape Town, South Africa. June 13th 2019.
7. **Brennan F.** The interface of Nephrology and Palliative Care. Khon Kaen University Hospital, Thailand. Aug 19th 2019.
8. **Brennan F.** Decision making around dialysis. Khon Kaen University Hospital, Thailand. Aug 19th 2019.
9. **Brennan F.** Symptom management in ESKD. Khon Kaen University Hospital, Thailand. Aug 19th 2019.
10. **Brennan F.** Advance Care Planning in ESKD. Khon Kaen University Hospital, Thailand. Aug 19th 2019.
11. **Brennan F.** The care of the dying patient with ESKD. Khon Kaen University Hospital, Thailand. Aug 19th 2019.
12. **Brennan F.** The conservative management of ESKD. Khon Kaen University Hospital, Thailand. Aug 19th 2019.
13. **Brennan F.** Renal Supportive Care – towards national guidelines for South Africa. Renal Society of South Africa. Johannesburg, South Africa. Oct 13th 2019.
14. **Brennan F.** Narratives from Palliative Care. Sobell House, Churchill Hospital. Oxford. Oct 31st 2019.
15. **Brennan F.** The interface of Nephrology and Palliative Care. Renal Supportive Care (RSC) Master Class, Oxford. Nov 1st 2019.
16. **Brennan F.** Pain management in ESKD. Renal Supportive Care (RSC) Master Class, Oxford. Nov 1st 2019.
17. **Brennan F.** The care of the dying patient with ESKD. Renal Supportive Care (RSC) Master Class, Oxford. Nov 1st 2019.
18. **Brown MA.** Indication for Renal Palliative Care. 35th Annual Congress Malaysian Society of Nephrology. Kuala Lumpur, Malaysia. 13th July 2019
19. **Brown MA.** How to approach a dying patient. 35th Annual Congress Malaysian Society of Nephrology. Kuala Lumpur, Malaysia. 13th July 2019
20. **Brown MA.** *ISSHP 2020 Guidelines. Euro ISSHP Scientific Meeting. Lund, Sweden. October 2-4th, 2019*

Presentations of Research at Scientific Meetings

Local

1. **Cuesta AC.** The benefits of digital and telehealth technology for PD patients through Sharesource remote patient management and monitoring. Oral presentation, Medical Technology Summit, Canberra ACT, 16th October 2019

International

1. **Catiwa J.** Improving vascular access outcomes through a nurse-led clinic in a single renal unit. Renal Society of Australasia annual conference; Auckland, New Zealand 2019.
2. **Catiwa J.** The comparative effectiveness between antimicrobial agents and heparin alone as central venous catheter lock solutions to reduce the incidence of catheter-related infections in haemodialysis patients: a narrative review and synthesis of the literature. Renal Society of Australasia annual conference; Auckland New Zealand 2019.
3. **Cuesta AC.** A peritoneal dialysis unit's experience in converting to Share source remote patient management and monitoring technology. 47th Annual Renal Society of Australasia Conference, Auckland NZ, 27th June 2019

PUBLICATIONS

General Nephrology

1. Boudville N, Ullah S, Clayton P, Sud K, Borlace M, **Badve SV**, Chakera A, Johnson DW. Differences in peritoneal dialysis technique survival between patients treated with peritoneal dialysis systems from different companies. *Nephrol Dial Transplant.* 2019 Jun 1;34(6):1035-1044. doi: 10.1093/ndt/gfy340.
2. **Burns T, Turner K, Brown M.** Maximising access to kidney transplantation: A single-centre audit of people receiving dialysis. *Journal of Renal Care.* 2019; 45(4):248-56.
3. **Burns, T.,** Pippard, H., Turner, K., Pedroche, J. R., Matisan, A., Gurung, M., & Fernandez, T. L. (2019). The nurses' experience of caring for a renal transplant recipient when admitted to hospital. *Renal Society of Australasia Journal*, 15(3), 105.
4. **Burns, T.,** McGovern, A., van Hardeveld, E., Haynes, J., Reynolds, J., Dole, K., Pickering, K., Robertson, P., & Isard, T. (2019) I'm a renal transplant coordinator. *Transplant Journal of Australasia*, 28(1), 20-26
5. **Ha JT,** Neuen BL, Cheng LP, Jun M, Toyama T, Gallagher MP, Jardine MJ, Sood MM, Garg AX, Palmer SC, Mark PB, Wheeler DC, Jha V, Freedman B, Johnson DW, Perkovic V, **Badve SV.** Benefits and Harms of Oral Anticoagulant Therapy in Chronic Kidney Disease: A Systematic Review and Meta-analysis. *Ann Intern Med.* 2019 Aug 6;171(3):181-189. doi: 10.7326/M19-0087. Epub 2019 Jul 16.
6. **Ha JT, Badve SV,** Jun M. Recent evidence for direct oral anticoagulants in chronic kidney disease. *Curr Opin Nephrol Hypertens.* 2019 May;28(3):251-261. doi: 10.1097/MNH.0000000000000493.

7. Harris DCH, Davies SJ, Finkelstein FO, Jha V, Donner J-A, Abraham G, **Brown M** et al. Increasing access to integrated ESKD care as part of universal health coverage. *Kidney international*. 2019; 95(4):S1-S33.
8. Kwan E, Draper B, Harvey SB, Endre ZH, **Brown MA**. Prevalence, detection and associations of depression in Australian dialysis patients. *Australasian Psychiatry*. 2019; 27(5):444-9.
9. Li J, **Badve SV**, Zhou Z, et al. The effects of canagliflozin on gout in type 2 diabetes: a post-hoc analysis of the CANVAS Program. *The Lancet Rheumatology*. 2019;1(4): e220-e228.
10. Lioufas N, Toussaint ND, Pedagogos E, Elder G, **Badve SV**, Pascoe E, Valks A, Hawley C. Can we IMPROVE cardiovascular outcomes through phosphate lowering in CKD? Rationale and protocol for the IMpact of Phosphate Reduction On Vascular End-points in Chronic Kidney Disease (IMPROVE-CKD) study. IMPROVE-CKD Writing Committee..*BMJ Open*. 2019 Feb 21;9(2):e024382. doi: 10.1136/bmjopen-2018-024382.
11. Philip J O'Connell, **Mark Brown**, Tak Mao Chan⁴, et al. The role of kidney transplantation as a component of integrated care for Chronic Kidney Disease. *Kidney International Supplements* (in press)
12. **Stevenson J**, Campbell KL, **Brown M**, Craig J, Howard K, Howell M, et al. Targeted, structured text messaging to improve dietary and lifestyle behaviours for people on maintenance haemodialysis (KIDNEYTEXT): study protocol for a randomised controlled trial. *BMJ Open*. 2019; 9 (5):e023545.
13. Viecelli AK, Polkinghorne KR, Pascoe EM, Paul-Brent PA, Hawley CM, **Badve SV**, Cass A, Hooi LS, Kerr PG, Mori TA, Ong LM, Voss D, Johnson DW, Irish AB; Fish oil and aspirin effects on arteriovenous fistula function: Secondary outcomes of the randomised omega-3 fatty acids (Fish oils) and Aspirin in Vascular access OUTcomes in RENal Disease (FAVOURED) trial. Omega-3 Fatty Acids (Fish Oils) and Aspirin in Vascular Access Outcomes in Renal Disease (FAVOURED) Study Collaborative Group.*PLoS One*. 2019 Mar 26;14(3):e0213274. doi: 10.1371/journal.pone.0213274. eCollection 2019.
14. Yeung WG, Toussaint ND, **Badve SV**. Dual Inhibition of Gastrointestinal Phosphate Absorption: More Questions Than Answers. *J Am Soc Nephrol*. 2019 Jun;30(6):909-910. doi: 10.1681/ASN.2019040333. Epub 2019 May 13.

Renal Supportive Care

1. Bridge DT, Donnelly SM, **Brennan FP**. Medical assistance in dying: a disruption of therapeutic relationships. *Med J Aust* 2019;(4):189.
2. Urban K, Foote C, **Brennan F**, **Brown MA**, Lee B. Quality of death of renal patients dying in an acute hospital setting - does Renal Supportive Care lead to better deaths? *Nephrology* 2019; 24: 511-517
3. **Brennan F**, Lohman D, Gwyther L. Access to Pain Management as a Human Right. *American Journal of Public Health* 2019; 109 (1): 61-65.
4. **Brennan F**. The Victorian Voluntary Assisted Dying Act comes into operation. *Internal Medicine*

Journal 2019;49: 689-693.

5. **Brennan F.** A response to “Fragile objects; a visual essay.” *Bioethical Enquiry* 2019; 16(2):191-192.
6. **Brennan F.** Poetry and Palliative Care. *Progress in Palliative Care* [published online 18 November 2019]
7. Ducharlet K, Philip J, Gock H, **Brown M**, Gelfand SL, Josland EA, et al. Moral Distress in Nephrology: Perceived Barriers to Ethical Clinical Care. *American Journal of Kidney Diseases*. 2019
8. Hole B, Hemmelgarn B, Brown E, **Brown MA**, McCulloch M, Zuniga C, et al. Supportive care for end-stage kidney disease: An integral part of kidney services across a range of income settings around the world. *Kidney International Supplements* (in press)
9. Lam DY, Scherer JS, **Brown M**, Grubbs V, Schell JO. A Conceptual Framework of Palliative Care across the Continuum of Advanced Kidney Disease. *CJASN*. 2019;14(4):635-41.

Renal Obstetric Medicine

1. Safi N, Sullivan E, Li Z, **Brown M**, Hague W, McDonald S, et al. Serious kidney disease in pregnancy: an Australian national cohort study protocol. *BMC Nephrology*. 2019;20(1):230.

Other

1. Aggarwal S, **Brown MA**. Renal Complications in Normal Pregnancy. In *Comprehensive Clinical Nephrology* 6th edition. Chapter 42. RJ Johnson, J Feehally, J Floege (eds) Elsevier. Philadelphia. USA. 2019: 502-521
2. Bramham K, **Brown MA**. Pregnancy with *Pre-existing Renal disease*. In *Comprehensive Clinical Nephrology* 6th edition. Chapter 43. RJ Johnson, J Feehally, J Floege (eds). Elsevier. Philadelphia. USA. 2019. 522-531
3. **Brown MA**, Gellatley W, **Hoffman A**, Dowdell L, Camac A, Francois R, et al. Medical complications of homelessness: a neglected side of men’s health. *Internal Medicine Journal*. 2019; 49(4):455-60.
4. Video education: Australia's Pioneering Renal Supportive Care Program: A Pathways Interview with **Mark Brown**, MD
<https://youtu.be/dXQ6jpOCFok>

Grants:

2018-2020 NSW Health Translational Research Grant (CI). *Adverse Cardiovascular outcome after hypertensive disorders of pregnancy: altering the trajectory.* **\$632,843.00.**

2018-2021 NHMRC Project Grant (1138533): Randomised controlled trial to determine the efficacy and safety of prescribed water intake to PREVENT the progress of Autosomal Dominant Polycystic Kidney Disease (PREVENT-APKD), University of Sydney. **\$746,751.00** (Chief Investigator-H)

2018 Report

Head of Department

Associate Professor George Mangos MBBS, MD, FRACP

Senior Consultant Staff

Professor Mark Brown MBBS, MD, FRACP

Associate Professor John Kelly 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 Pharm. B.Med FRACP, Grad Cert ULT, PhD (Conjoint Lecturer, UNSW)

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

Dr Frank Brennan MBBS, FRACP, FACHPM, LLB- Consultant Palliative Care Medicine

Dr Chenlei-Kelly Li MBBS, FRACP

Dr Brendan Smyth BMedSci, MBBS, FRACP



Research Staff

Research Fellows & students

Dr Jeffrey Ha BSc (Adv), MBBS

Dr Lap Cheng BMed, MD

Research Officers

Saiyini Pirabhahar (BNurs, MHIthSci, PGrad Dip Med Lab Sci)

Paula Williamson (RN, RM, Grad.Dip.Counselling)

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)

Jessica Stevenson (APD, Bach HSc (nutrition) MND. PhD candidate)

Kylie Turner (RN, Bnurs, Grad Cert Renal Nursing)

Maria Chan (BSc(Hons), M NutrDiet, GradDipExSpSc, PhD, AdvAPD)

Su Bahceci (BSc, MPubHlth, MSc (Nutr&Diet) APD)

Tania Burns (RN, Grad Cert. Acute Care Nursing (Renal), MPhil)

Yanella Martinez-Smith (BNurs, MNursAP)

RECENT AND ONGOING RESEARCH PROJECTS

Chronic Kidney Disease (CKD)

1. CKD-FIX study
2. Resistant Hypertension in CKD (PRECISION)
3. Oral iron (Daprodustat) compared to darbepoetin alfa in dialysis and non-dialysis CKD patients (ASCEND-D & ASCEND-ND)
4. Polycystic kidney disease and water intake.

Hypertension in pregnancy

1. Body composition in post-partum women.
2. Post-partum physiology, psychology and paediatric outcomes for women with pre-eclampsia (the 'P4' study).

Peritoneal and Haemodialysis

1. Failure to mature, reduced survival and morbidity with the Fistula First Initiative for HDx access
2. DAMPER- Dietary Approach to Manage Progressive and End stage Renal disease.

Transplant

1. Screening kidney transplant recipients for coronary artery disease (CARSK)

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

1. **Brennan F.** Motor Neuron Disease. GP Education Lecture, Port Macquarie. Jan 28th 2018.
2. **Brennan F.** Palliative Care – An Introduction. GP Education Session, Kogarah. March 7th 2018.
3. **Brennan F.** End of Life Discussions – Dee Why RSL. April 12th 2018.
4. **Brennan F.** Renal Supportive Care - GP Education Lecture, Port Macquarie. April 18th 2018.
5. **Brennan F.** NSW Medical Students Leadership Conference, Sydney. April 21st 2018.
6. **Brennan F.** Ethics – an overview. Palliative Care Registrars, Concord Hospital. May 1st 2018.
7. **Brennan F.** “Miracle” Palliative Care Week. Calvary Hospital, Sydney. May 23rd 2017.
8. **Brennan F.** Renal Supportive Care – An Overview. Geriatric Trainee Education Day, Concord Hospital. May 2nd 2018.
9. **Brennan F.** Palliative Care – an introduction. GP Education, Hurstville. May 3rd 2018.
10. **Brennan F.** Challenging Conversations (with A/Professor Matthew Links). College of Physicians Conference. Sydney. May 14th 2018.
11. **Brennan F.** Spirituality and Bereavement. Baptist Care Aged Care Conference. Sydney. May 24th 2018.
12. **Brennan F.** Difficult Conversations. Calvary Hospital. Sydney. May 24th 2018.
13. **Brennan F.** End of Life – the law and human elements. Endocrine and Vascular Masterclass. Sydney. June 16th 2018.
14. **Brennan F.** Advance Care Planning in patients with ESKD being managed conservatively. Renal Supportive Care Symposium, St George Hospital. Sydney. July 5th 2018.
15. **Brennan F.** Symptom management in patients with ESKD being managed conservatively. Renal Supportive Care Symposium, St George Hospital. Sydney. July 6th 2018.
16. **Brennan F.** Case based discussion on patients with ESKD being managed conservatively. Presented and facilitated with an expert panel. Renal Supportive Care Symposium, St George Hospital. Sydney. July 6th 2018.
17. **Brennan F.** Informed Consent. Interns, St George Hospital. Sydney. July 11th 2018.
18. **Brennan F.** The pathophysiology of pruritus. Department of Dermatology, St George Hospital. Sydney. September 26th 2018.

19. **Brennan F.** On gratitude. Gratitude Day, Sydney. October 19th 2018.
20. **Brown MA.** ISSHP Guidelines and Guidance: What's the latest? Australia Pre-eclampsia Network Meeting. University of Sydney. Sydney May 25th 2018.
21. **Brown MA.** Diagnosis & Classification of Hypertension in Pregnancy. Hypertension in Pregnancy midwives study day. St Gorge Hospital, Sydney. June 20th 2018.
22. **Brown MA.** The Modern era of conservative care. 9th St George Hospital Supportive Care Symposium. St George Hospital, Sydney, July 5th 2018.
23. **Cuesta AC.** Sharesource in St George. Sharesource Masterclass in Sydney, August 2018.
24. **Martinez- Smith Y.** Haemodialysis CVAD. CVAD Workshop. St George Hospital. Sydney March 2018.
25. **Martinez-Smith Y.** Vascular Access Outcomes. Vascular Access Meeting. St George Hospital. Sydney. March 2018.
26. **Martinez-Smith Y.** Physical assessment and Ultrasound use. Vascular Access Workshop. St George Hospital. Sydney. August 2018.
27. **Martinez-Smith Y.** Vascular Anatomy and Physiology. Renal Society Australia Vascular Access Workshop. Liverpool, Sydney. October 2018.

Invited Lectures – National

1. **Brown MA.** Integrated Care: NSW Hub and Spoke model. Kidney Supportive Care Symposium. Royal Brisbane Hospital. February 2nd 2018.
2. **Brown MA.** HOPE: Helping Older Patients with ESKD. Renal Society of Australasia Annual Conference. Adelaide. June 22nd 2018.

Invited Lectures – International

1. **Brennan F.** Renal Supportive Care. Indian Palliative Care Conference, New Delhi. India. January 23rd 2018.
2. **Brennan F.** Symptom management in End Stage Kidney Disease. Symptom management conference, Limerick, Ireland. April 27th 2018.
3. **Brennan F.** Introduction to Renal Supportive Care. Indian Renal Supportive Care Lecture Series (via internet). July 13th 2018.
4. **Brennan F.** Decision making around commencing dialysis and pre-RRT counselling. (With Jenny Burman). Renal Supportive Care Workshop, Khon Kaen Hospital, Khon Kaen, Thailand. July 16th 2018.
5. **Brennan F.** Hypertension in early pregnancy: What do we need to consider? New Zealand Maternal Fetal Medicine Network Update. Auckland, New Zealand. May 17th 2018.

6. **Brennan F.** Best practices for managing symptoms in CKD/ESRD. Renal Supportive Care Workshop, Khon Kaen Hospital, Khon Kaen, Thailand. July 16th 2018.
7. **Brennan F.** Advance Care Planning in patients with ESKD. Renal Supportive Care Workshop, Khon Kaen Hospital, Khon Kaen, Thailand. July 16th 2018.
8. **Brennan F.** *Care of the dying patient with ESKD. Renal Supportive Care Workshop, Khon Kaen Hospital, Khon Kaen, Thailand. July 16th 2018.*
9. **Brennan F.** Withholding/withdrawing from dialysis. Renal Supportive Care Workshop, Khon Kaen Hospital, Khon Kaen, Thailand. July 17th 2018.
10. **Brennan F.** Palliative Care and Human Rights: "Palliative Care is everyone's right'. Malaysian Palliative Care Conference, Alor Setar, Malaysia. July 28th 2018.
11. **Brennan F.** When dialysis is not an option. Malaysian Palliative Care Conference Alor Setar, Malaysia. July 28th 2018.
12. **Brennan F.** "Dialysis should not be recommended in the elderly." Malaysian Society of Nephrology Conference, Penang, Malaysia. July 29th 2018.
13. **Brennan F.** "There is no therapy in Palliative Nephrology". Malaysian Society of Nephrology Conference, Penang, Malaysia. July 29th 2018.
14. **Brennan F.** Overview of Renal Supportive Care. Seberang Jaya Hospital, Penang, Malaysia. July 30th 2018.
15. **Brennan F.** Deciding withdrawing and withholding dialysis. Seberang Jaya Hospital, Penang, Malaysia. July 30th 2018.
16. **Brennan F.** Setting up Renal Supportive Care Models. Seberang Jaya Hospital, Penang, Malaysia. July 30th 2018.
17. **Brennan F.** Managing Renal Failure in the community. Seberang Jaya Hospital, Penang, Malaysia. July 30th 2018.
18. **Brennan F.** Decision-making around dialysis. Indian Renal Supportive Care Lecture Series (via internet). August 10th 2018.
19. **Brennan F.** Symptom management in ESKD Part 1. Indian Renal Supportive Care Lecture Series (via internet). August 17th 2018.
20. **Brennan F.** Symptom management in ESKD Part 2. Indian Renal Supportive Care Lecture Series (via internet). August 31st 2018.
21. **Brennan F.** Advance Care Planning ESKD. Indian Renal Supportive Care Lecture Series (via internet). September 7th 2018.
22. **Brennan F.** Care of the dying patient with ESKD. Indian Renal Supportive Care Lecture Series (via internet). September 14th 2018.
23. **Brennan F.** Overview of Renal Supportive Care. South African Renal Congress, Johannesburg,

South Africa. October 11th 2018.

24. **Brennan F.** Symptom management in ESKD. South African Renal Congress, Johannesburg, South Africa. October 11th 2018.
25. **Brennan F.** Overview of Renal Supportive Care. Grand Rounds, Cape Town, South Africa. October 12th 2018.
26. **Brennan F.** Symptom management in ESKD. South African Renal Dialysis Technologists Society, Johannesburg, South Africa. October 14th 2018.
27. **Brown MA.** Preeclampsia: A life-long disorder. 65th Annual Scientific Meeting: Society for Reproductive Investigation. San Diego, USA. March 6-10th 2018.
28. **Brown MA.** Invited discussion: Increasing Access to integrated ESKD care. ISN 2nd Global Kidney Health Summit. Sharjah. UAE. March 18-20th 2018.
29. **Brown MA.** ISSHP Management Guidelines 2018. ISSHP World Congress. Amsterdam. October 7-9th 2018.
30. **Chan M.** What should be on the plate? Foods for Advanced Chronic Kidney Disease. 19th International Congress of Nutrition and Metabolism in Renal Disease, ICNMRD (Genoa, Italy) June, 2018.
31. **Chan M.** Nutrition assessment for dialysis patients. CME course for nephrologists, Blood purification symposium, (Guiyang, China), September, 2018
32. **Chan M.** Renal Nutrition Seminar, National Kidney Foundation, Malaysia (Kuala Lumpur, Malaysia), December, 2018
33. **Katz I.** Vascular Access and Haemodialysis: All the Issues and Data. National Renal Care Workshop. Johannesburg South Africa. October 9-10th 2018.
34. **Katz I.** Chronic Kidney Disease and Current Interventions to delay the progression of kidney disease and predicting progression for the reasons of... South African Renal Society Congress Update, Emperors Palace, Johannesburg South Africa October 2018.
35. **Katz I.** The 'Unphysiology' of Dialysis and Reverse Epidemiology and some esoteric aspects of End Stage Kidney Disease. South African Renal Society and Renal Care Society of South Africa Plenary, Emperors Palace, Johannesburg South Africa October 2018
36. **Martinez-Smith Y.** Improving Vascular Access Outcomes – a nursing model. South African Renal Congress. South Africa. Oct 2018.
37. **Martinez-Smith Y.** Improving Vascular Access Outcomes – a nursing model. National Renal Care Workshop. South Africa. Oct 2018.

Presentations of Research at Scientific Meetings

Local

1. **Badve SV.** KHA Workshop: Polycystic Kidney Disease, Sydney GPCE, Sydney, May 2018.
2. **Bahceci S.** Prevalence of Malnutrition, Nutritional profile and length of stay in renal inpatients. ANZSN Annual Scientific Meeting, Sydney. September 2018.
3. **Bahceci S.** Intra-dialytic Parenteral Nutrition Case Series at St George Hospital. Dietitian Day. ANZSN Sydney. September 2018.
4. **Bahceci S.** Nutritional outcomes of end-stage renal failure patients receiving intra-dialytic parenteral nutrition; a case series. ANZSN Sydney. September 2018.
5. **Bahceci S.** Nutritional outcomes of end-stage renal failure patients receiving intra-dialytic parenteral nutrition; a case series. St George Hospital Medical Research Symposium. Sydney. October 2018.
6. **Bahceci S.** Nutritional outcomes of end-stage renal failure patients receiving intra-dialytic parenteral nutrition; a case series. AuSPEN ASM Sydney. November 2018.
7. **Burns T.** Barriers to Transplantation: a Single Centre Audit of Dialysis Patients. Transplant Nurses Association annual conference. Sydney, October 2018.
8. **Chan M.** Prevalence of malnutrition as clinical target in maintenance haemodialysis, is it a good indicator? ANZSN Sydney. September 2018.
9. **Ha J,** Neuen B, Cheng L, Jardine M, Gallagher M, Garg A, Jun M, Perkovic V, **Badve SV.** Benefits and risks of oral anticoagulant therapy in chronic kidney disease: A systematic review and meta-analysis of randomised controlled trials. St George Hospital Medical Research Symposium. Sydney October 2018. Young Investigator Award (Clinical).
10. **Ha J,** Neuen B, Cheng L, Jardine M, Gallagher M, Garg A, Jun M, Perkovic V, **Badve SV.** Benefits and risks of oral anticoagulant therapy in chronic kidney disease: A systematic review and meta-analysis of randomised controlled trials. Australia New Zealand Society of Nephrology (ANZSN) Meeting Sydney Australia. September 2018
11. Hepburn K, Millar E, **Kelly J, Katz I.** Antibody Negative Anti-Glomerular Basement Membrane Disease. Australia New Zealand Society of Nephrology (ANZSN) Meeting Sydney Australia. September 2018
12. Shah N, Goswell A, **Cuesta C, Katz I.** Surgeon versus Nephrologist-Inserted Peritoneal Dialysis catheters: Experiences from a Metropolitan Centre in Sydney. Australia New Zealand Society of Nephrology (ANZSN) and ANZSIN (Australia New Zealand Interventional Nephrology) Meeting Sydney Australia. September 2018.
13. Shah N, Goswell A, Cuesta C, Katz I. Surgeon versus Nephrologist-Inserted Peritoneal Dialysis catheters: Experiences from a Metropolitan Centre in Sydney. St George Hospital Medical Research Symposium, Sydney. October 2018.

National

1. **Cuesta AC.** Peritoneal Dialysis Risk Assessment and Management (RAM) Pathway. Oral presentation, 46th Annual Renal Society of Australasia Conference in Adelaide, June 2018

International

1. **Cheng LP, Ha J,** Neuen B, Cheng L, Jardine M, Gallagher M, Garg A, Jun M, Perkovic V, **Badve SV.** Benefits and harms of dual antiplatelet therapy in chronic kidney disease: A systematic review and meta-analysis of randomised controlled trials. ASN Kidney Week, San Diego, October 2018. (Oral presentation)
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3. **Ha J,** Neuen B, **Cheng L,** Jardine M, Gallagher M, Garg A, Jun M, Perkovic V, **Badve SV.** Benefits and risks of oral anticoagulant therapy in chronic kidney disease: A systematic review and meta-analysis of randomised controlled trials. ASN Kidney Week, San Diego, October 2018. (Oral presentation, ASN Kidney STARS award recipient)
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