



RACP Foundation Research Awards

FINAL REPORT

Project / Program Title		2 year Clinical Fellowship in Toronto
Name		Dr Sally Kellett
Award Received		2015 Margorie Hooper Scholarship
Report Date		2 November 2018
Funding Period	Start Date:	1 July 2015
	Finish Date:	1 June 2017

PROJECT SUMMARY

I completed a two-year Paediatric Nephrology Fellowship at the Hospital for Sick Children in Toronto, Canada. This is a world famous paediatric hospital, which is highly regarded for excellence in training and research. There is a strong focus on teaching, clinical skills and integration with research.

The Nephrology Department is the largest paediatric division of Nephrology in Canada. Children with acute, chronic and end stage renal disease are cared for. Renal replacement therapy includes children on home haemodialysis (which is unique) and the number of kidney transplants is 20-25 per year (significantly greater than most centres in Australia).

Outpatient clinics are disease specific such as in glomerular diseases and there are multidisciplinary clinics such as for lupus and vasculitis with rheumatology, and a strong allied health input.

The fellowship program is very structured. The first year of the program provided broad clinical exposure to nephrology. The following two monthly rotations were completed: ward, consults, dialysis, transplant, ambulatory clinics and quality improvement. There were weekly academic sessions including: Tuesday morning rounds, Wednesday academic half day and Thursday morning research rounds. There was also an on-call requirement.

In the second year of the program I was able to continue primarily the clinical program, but also participate in other opportunities such as in research projects and a Teaching Scholars Certificate. I was able to take on a more managerial role in the department as Co-Chief Fellow.

The Margorie Hooper Scholarship assisted in travel and re-location costs to allow me to undertake this fantastic opportunity of fellowship training overseas.

PROJECT AIMS / OBJECTIVES

My aim was to complete two years of Advanced Training in Paediatric Nephrology at the Hospital for Sick Children in Toronto, Canada and to return to Australia and practice as a Consultant Paediatric Nephrologist practising state-of-the-art care.

I completed the two-year fellowship between July 2015 and June 2017. I then returned to South Australia and completed the last six months of my paediatric nephrology training and am now practising as a Paediatric Nephrologist at the Women's and Children's Hospital, South Australia.

SIGNIFICANCE AND OUTCOMES

As stated, the Hospital for Sick Children is a leading centre in Paediatric Nephrology. During my two-year fellowship I was exposed to a large and diverse caseload, including in transplant and dialysis but also high acuity patients on the nephrology ward and consults to the three ICUs (neonatal, paediatric and cardiac). The exposure to large numbers of patients has provided me with new knowledge, skills and confidence to practice as a nephrologist.

I also participated in research projects resulting in both publications and poster presentations (listed below), and importantly, learnt skills transferable to research projects back home.

I also participated in a Quality Improvement Program and project and have developed an interest in the area, going on to pursue a Masters in Health Services Management with a focus on Quality Improvement.

I also completed a 1-year certificate in a Teaching Scholars Program, along with a Simulation Instructor Course, and am now instituting a simulation program into our unit in Adelaide.

PUBLICATIONS / PRESENTATIONS

Publications:

- Kellett S, Lemaire M, Miller SP, Licht C, Yoon G, Dlamini N, et al. Neonatal stroke and haematuria: Questions. *Pediatr Nephrol.* 2018 May;33(5):805-6.
- Kellett S, Lemaire M, Miller SP, Licht C, Yoon G, Dlamini N, et al. Neonatal stroke and haematuria: Answers. *Pediatr Nephrol.* 2018 May;33(5):807-11.
- Kellett, S., Jawa, N. & Noone, D. Renal Vasculitis in Childhood *Curr Pediatr Rep* (2017) 5: pp87-99.

Quality Improvement Project:

- Vascular preservation in childhood renal disease, Nephrology Fellows Group Project
- Posters:
 - Kellett, S., Thorner, P., Chami, R., Jawa, N., Parekh., Noone, D. The Oxford IgA MEST score is associated with worse kidney outcomes in childhood onset Henoch Schonlein Purpura nephritis American Society of Nephrology Kidney Week, New Orleans, USA. 2017
 - Gaudreault-Tremblay, MM., Kellett, S., Carter, S., Mulder, J., Almaiman, W., Downie, M., Hebert, D., Noone, D.
 - Vein preservation in children with chronic kidney disease: we can do better Quality Improvement and Patient Safety Forum, Toronto, Canada. 2017
 - Kellett, S., Jawa, N., Zak, M., Noone, D., Licht, C., McCoy, B., Lemaire., M. Impact of mTORi on renal AMLs of pediatric patients with Tuberous Sclerosis Complex Paediatric Academic Societies Meeting, San Francisco, and University of Toronto Department of Paediatrics Research Day, Toronto, Canada. 2017
 - Carter, S., Kellett, S., Mulder, J., Almaiman, W., Downie, M., Gaudreault-Tremblay, M., Aldhafiry, R., Hebert, D., Noone, D. Improving vascular preservation in children with chronic kidney disease Paeds Co-Learning Curriculum QI Final Presentation Day, Toronto, Canada 2017.
 - Kellett, S., Jawa, N., Parekh, R., Gallibois, C., Noone, D. Henoch Schonlein Purpura Nephritis in children, a cohort study Paediatric Academic Societies Meeting, San Francisco, USA. 2017

- Kellett, S., Carter, S., Reynolds, B., Mulder, J., Bhagavatula, M., Faqeehi, H., Teoh, C. Vein Preservation in Children with Chronic Kidney Disease Paeds Co-Learning Curriculum QI Final Presentation Day, Toronto, Canada. 2016