Pediatric Nephrology
Pediatric Nephrology Fellowship Program

This post-graduate training program consists of two years of training with 4-week rotations within and outside the base hospital. These trainees are generally in the 4th or 5th year of medical specialization and have completed at least 3-years of core training in general pediatrics (a.k.a. a Pediatric Residency).

The trainee will be exposed to common Pediatric Nephrology problems that may present to the clinician upon completion of the rotation. The trainee will have acquired an appreciation of the clinical and bioethical issues intrinsic to pediatric nephrology and will have developed skills in working with patients, families and all members of the allied health care team.

The first year consists mostly of mandatory rotations. Each rotation is 4-weeks in duration. Specialized areas such as hemodialysis, peritoneal dialysis and transplantation are integrated into comprehensive inpatient (6-1/2 periods) and outpatient (6-1/2 periods) rotations.

The inpatient rotation includes:
- Consultative Nephrology
- Peri-operative transplant care
- Acute dialysis
- Continuous renal replacement therapy

The outpatient rotation comprises attendance at outpatient clinics including:
- 6 half-day General Nephrology clinics
- Weekly Transplant and Peritoneal Dialysis clinics
- Daily urgent Transplant clinics as needed
- Periodic attendance at Pediatric Urology Clinic (optional)
- Interdisciplinary Transplant and Peritoneal Dialysis rounds
- Chronic hemodialysis unit coverage and interdisciplinary rounds

Four additional mandatory rotations, usually in the first year, include:
- Adult Hemodialysis and Consultative Nephrology at the Health Sciences Center,
- Adult Inpatient and Ambulatory Peritoneal Dialysis at St. Boniface Hospital,
- Nephropathology
- Transplant Immunology

**First Year**
The first year will emphasize the development of clinical skills, and initially, all clinical problems will be discussed in detail with the appropriate staff member. Over time, the Trainee will be expected to assume more responsibility for the comprehensive evaluation and care of these patients.

During the Adult Nephrology rotations, the Trainee will attend the hemodialysis and peritoneal dialysis
units at the respective hospitals, and as well will work on the general consultation service. During this time, the trainee will gain expertise in the various dialysis modalities, and will become familiar with the spectrum of renal disease seen in adult life, including problems of renal disease in pregnancy.

During the Transplant Immunology rotation, the trainee will spend time in the tissue-typing lab and will receive detailed instruction in HLA typing, conventional and flow cytometry, and decision-making processes involved with renal transplant recipient waiting lists. Additional clinical time will include continued attendance at Pediatric and Adult Transplant clinics.

There are also two rotations dedicated to the initiation of a research project which will be completed in the second year of training.

Second Year
The Fellow will continue to complete the mandatory core rotations as described above.

During the second year of training, the trainee may decide to do research for up to 28 weeks. Another option is to have an augmented clinical experience with additional rotations as above, or with elective rotations in Pediatric or Neonatal Intensive Care, Clinical Genetics, or approved external rotations.

In addition, the Trainee is required to engage in research with a view to producing results of publishable merit over the course of their Training. Planning for this begins early in the first year so that planning and preparatory stages can progress and funding can be identified locally or externally in a timely fashion.

General Nephrology Continuity Clinic
One half-day each week will be spent in a fellow’s General Nephrology clinic as part of a continuity experience. The Fellow will attend clinic for all rotations with the exception of rotations away from the base hospital (Adult HD and Adult PD). The clinic patient will consist of new referrals and follow-ups that were initially seen by the fellow.

Academic Half Day
These sessions are held jointly with Adult Nephrology Trainees and consist of one two-hour seminar per week. They are moderated by attending staff and are attended by all of the trainees. The sessions are usually held on Thursday afternoons. A two-year curriculum of case topics in all areas of nephrology has been developed - these topics are discussed at this academic half-day.

Western Pediatric Nephrology Journal Club
This is a videoconference that is held the second Wednesday of every month and is similar in format to our Journal Club. The Fellow will be expected to present every 4-6 months.

Columbia Pathology Course
Fellows are encouraged to attend this once in the 2-year Fellowship program.
TIPs Workshop
Fellows attend this once in the 2-year Fellowship program.

Conferences
Each year, the Trainees are afforded the opportunity to attend one Canadian or American conference in Nephrology as deemed appropriate by the PGME Committee.

Application Requirements

All applicants must submit an application package consisting of:

1. Letter of application
2. CV
3. Three letters of reference
4. Documentation of prerequisite training including University transcripts
5. Evidence of a passing grade on the Medical Council of Canada’s Evaluating Examination

References and previous program directors will be contacted prior to accepting an applicant.

On-Site interviews with the Residency Program Committee are required.