

## Nephrology

The residency training program in nephrology is a university and faculty-based program with rotations through the three participating hospitals of McGill University Health Centre, i.e. the Montreal Children's, Montreal General and Royal Victoria Hospitals, as well as the Jewish General Hospital.

Applicants to the program should have completed three years of training in internal medicine or pediatrics. The program consists of two years of training in nephrology but in all instances, the first appointment is only for a twelve-month period.

Every resident will be exposed to intensive teaching in classical clinical nephrology, basic renal physiology and pathophysiology, hypertension, urolithiasis, urinary tract infection, renal/transplant immunology, renal pathology and electrolyte and acid-base problems. Residents participate in a nephrology consultative service, general nephrology outpatient clinics, peritoneal dialysis clinics, hemodialysis (in-patient and outpatient services), transplantation (in-patient and outpatient services) and specialty clinics, including predialysis clinic, kidney stone clinic, and others. Rotations will also be arranged through a pediatric nephrology service. Comprehensive training is given in all forms of peritoneal dialysis, hemodialysis and hemoperfusion, ultrafiltration procedures, access catheter placement, closed renal biopsies and microscopic urinalysis. There is also exposure to renal radiology, ultrasound and renal nuclear medicine. Throughout the training period, the emphasis is on an academic and physiological approach to nephrology. In addition, there is focus on clinical epidemiology as applied to the practice of Nephrology. There are also opportunities for elective rotations.

During the first year, each resident is encouraged to embark on a clinical research project with a chosen supervisor as part of their training. If this is not possible, trainees are encouraged to prepare a comprehensive review on an important topic within the broad range of nephrology. In the second or subsequent years, a research project can be arranged under the supervision of one of the faculty members. Current areas of research include studies into epithelial cell signaling and the pathogenesis of glomerulonephritis (Drs. A. Cybulsky, T. Takano, and S. Lemay), renal development (Dr. P. Goodyer and I. Gupta), epidemiology of chronic renal failure (Dr. S. Iqbal), various aspects of pre-dialysis, hemodialysis and peritoneal dialysis (Dr. P. Barré), renal disease during pregnancy (Dr. T. Podymow) and renal transplantation (Drs. M. Lipman and D. Keith). Please also see: [www.nephrology.mcgill.ca](http://www.nephrology.mcgill.ca)

Postgraduate courses and seminars, as well as a schedule of regular visiting lecturers in addition to regular hospital teaching rounds are given in cooperation with the Departments of Physiology, and Experimental Medicine throughout the training period. Attendance at weekly clinical conferences, journal club presentations and research seminars is mandatory. Once monthly, a comprehensive tri-hospital renal pathology teaching session using recent biopsy material is held at the Montreal Children's Hospital.

For further information and application forms, please contact:

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