

NEPHROLOGY

The Nephrology Residency Training Program at McGill is a dynamic and innovative training program which provides the trainee with advanced knowledge in core and specialty areas of Nephrology, expertise in several clinical procedures including catheter placement and dialysis treatments, and the opportunity to participate in research and acquire skills in research methodology.

We have productive clinician-scientists and basic science researchers with expertise in Glomerulonephritis, Transplantation, Acute Kidney Injury, Proteinuria and Podocyte pathophysiology. Our clinicians are expert physicians in their field and committed to excellence in academics and teaching.

There exists a close link with the McGill Pediatric Nephrology Program with a shared Academic Half Day, as well as combined academic sessions with other McGill medicine sub-specialties and Adult Nephrology Programs in Quebec.

The McGill Nephrology curriculum is based on a strong tradition of combining extensive and diverse clinical exposure with rigorous pathophysiological reasoning and evidence-based practice. All residents are required to complete a research project in an area of interest and present their research at Nephrology Grand Rounds at the completion of their fellowship. The residents will rotate at three hospitals during their fellowship. namely the Royal Victoria Hospital at the Glen site, the Montreal General Hospital and the Jewish General Hospital.

The RVH-Glen is the site for training in Transplantation, Renal Pathology, and Consultative Nephrology with an emphasis on the care of patients with acute kidney injury.

The Montreal General Hospital is the site for training in Chronic Hemodialysis, Vascular Access, Peritoneal dialysis, Home Dialysis and Consultative Nephrology.

The Jewish General Hospital is the site for training in Chronic Hemodialysis, Vascular Access, Peritoneal dialysis and Consultative Nephrology.

The curriculum begins with a quick succession of rotations in Hemodialysis, Peritoneal Dialysis and Transplantation in order to familiarize trainees to these core Nephrology disciplines.

The first year usually consists of:

- • 3 periods of Hemodialysis
 - • 4 periods of Consultation
 - • 3 periods of Transplantation
 - • 2 periods of Home Dialysis/Peritoneal Dialysis
 - • 1 period of elective rotation
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The second year usually consists of:

- • 2 periods of Hemodialysis
- • 2 periods of Consultation
- • 1 period of Transplantation
- • 1 period of Nephro-pathology
- • 1 period of Home Dialysis/Peritoneal Dialysis
- • 6 periods of elective rotation

The elective rotations can be tailored to the needs of the trainee, either to complete a research project and/or a quality assurance project, to start a Master's Program in clinical epidemiology or to pursue other areas of interest. The clinical rotations that can be performed as elective periods include Community Nephrology, out-patient clinics (a combination of pre-dialysis, hypertension, vasculitis, GN, stone and PCKD clinics), pediatric nephrology and others.

Throughout the two year curriculum, trainees maintain a longitudinal general Nephrology clinic once per week at the RVH or Glen site. Other clinics are embedded in the respective rotations (i.e. PD, home dialysis and transplantation clinics).

Academic activities of the trainees include:

- • Nephrology Academic Half-day on Wednesday 3-5pm (weekly)
- • Nephrology Journal Club on Tuesday (1-2pm, MGH) or Friday (11-12pm, Glen)

(weekly)

- • Nephrology Rounds (including Nephropathology Rounds) on Fridays 12-1pm (weekly)
- • Vascular Access Rounds and clinic on Mondays 8-12pm, MGH (monthly)
- • Research Conferences on Tuesdays 4:30 to 5:30pm (monthly)
- • Trainees are also welcome to attend MUHC Medicine Grand Rounds on Tuesdays, from

Noon to 1:00pm.

There are several formative evaluations of the residents during the academic year:

- • SIM center hemodialysis line insertion session (yearly)
- • 2. ASN in-training exam (yearly)
- • 3. OSCE exam at SIM center (4-5 scenarios covering core topics in Nephrology where

resident has to take a focused history, perform appropriate physical exam and communicate their impression and plan to a standardized patient with Staff Nephrologist observing)

In addition, there are collaborative sessions and meetings with the Nephrology Training Programs at U de M, Sherbrooke and Laval throughout the academic year.

The everyday working language at McGill is English, however a working knowledge of English and French is an asset.

The McGill training program prepares you for a successful career in Nephrology should you choose a career in Community Nephrology and also provides excellent mentorship and flexibility should this Training program be the first step in your Academic Career in Quebec, Canada or beyond.

For further information please contact:

Dr. Catherine Weber
Program Director, Adult Nephrology Montreal General Hospital
E-mail: catherine.weber@mcgill.ca

Emma Paddock

Program Coordinator, Adult Nephrology

Tel.: (514) 934-1934 ext. 37475

Email: residencynephrology.med@mcgill.ca