

**WESTERN UNIVERSITY  
NEPHROLOGY ROTATION OBJECTIVES  
HOME DIALYSIS- MULTI CARE KIDNEY CENTRE, WESTMOUNT MALL**

**Revised:** December 5, 2024

**Reviewed by Residency Program Committee:** December 17, 2024

**Next review date:** June 2026

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**PREAMBLE:** This rotation is designed to ensure that the Nephrology Trainee develops expertise in the management of home dialysis modalities (both Peritoneal Dialysis and Home Hemodialysis).

- On the Home Dialysis rotation, the Trainee is expected to attend ALL Peritoneal Dialysis and Home Hemodialysis clinics and rounds under the supervision of a Consultant Nephrologist and Home Dialysis Fellow.
  - Peritoneal Dialysis clinic: Tuesday morning from 0830 - 1200
  - Peritoneal Dialysis rounds: Thursday morning from 0830 – 1200
  - Home Hemodialysis rounds: Monday afternoon from 1400 – 1600
  - Home Hemodialysis clinic: Thursday afternoon from 1300 – 1700
- The Trainee is also expected to manage any Peritoneal Dialysis issues and Home Hemodialysis issues that arise Monday to Friday 0800 to 1700. Additionally, they may be required to assess any Peritoneal Dialysis or Home Hemodialysis patients who are admitted to either Victoria Hospital or University Hospital during these times.
- The Trainee is expected to dictate notes on all patients seen in the clinic within 24-hours of seeing the patients, and to follow-up on any laboratory or imaging tests ordered.
- The Trainee is expected to attend the noon hour Journal Club Rounds held on the first Monday of the month from 1200 - 1300 hours, and will be assigned to present at least once during his/her two-month rotation.
- The Nephrology Trainee will participate in the Nephrology Resident Call schedule (home call), as per PARO guidelines.
- As the Nephrology Trainee progresses in their stages of training, it is expected that they will be more independent as well as provide supervision of procedures to junior trainees. They will have more clinical and administrative autonomy that is deemed appropriate by the supervising Consultant.

**ROTATION FREQUENCY:**

- 1) Trainees will complete 4 consult rotations, 2 at University Hospital and 2 at Victoria Hospital, within a 2-year period.

**EVALUATION:**

- 1) ITER completion through One45.
- 2) EPA completion through Elentra.
- 3) Multi sourced feedback evaluations from allied health team.

**EDUCATIONAL RESOURCES AVAILABLE:**

- 1) Library facility.
- 2) Textbooks - Renal Physiology 6<sup>th</sup> Edition and Handbook of Dialysis 5<sup>th</sup> Edition.
- 3) Online educational material.

**Achievable Entrustable Professional Activities**

The following EPAs have been identified as being achievable during this training experience:

**Transition to Discipline**

- EPA 1 Assessing patients with known kidney disease, identifying the unique concerns seen in Nephrology patients:
- EPA 2 Recognizing Nephrology-specific emergencies/urgencies, demonstrating insight as to own limits and knowing when to seek appropriate help

**Foundations**

- EPA 4 Ordering and adjusting dialysis prescriptions for uncomplicated patients with ESRD
- EPA 7 Assessing and providing initial management for patients with common complications of HD

**Core**

- EPA 3 Assessing and treating patients with difficult to control or suspected secondary hypertension
- EPA 4 Assessing and providing an initial investigation and management plan for patients with complex fluid and electrolyte abnormalities
- EPA 11 Providing comprehensive care for patients with progressive kidney dysfunction
- EPA 12 Facilitating patients' transition to an ESRD treatment modality, or to end of life care
- EPA 13 Providing longitudinal management for patients receiving chronic dialysis
- EPA 14 Assessing and managing the care of patients with complex complications of dialysis access
- EPA 15 Assessing and managing patients with acute complications of the dialysis procedure
- EPA 16 Supporting vulnerable patients to improve their health literacy and engage them to become partners in their care
- EPA 17 Integrating knowledge of the effects of pregnancy, pregnancy outcomes, renal disease, and its treatments in the care of women with renal disease
- EPA 19 Working with the interprofessional team to coordinate the care of patients with renal disease
- EPA 20 Advancing the discipline through scholarly activities
- EPA 21 Delivering scholarly teaching to a variety of audiences, including peers, junior trainees and/or other health professionals

- EPA 22 Identifying and analyzing patient- and/or system-level healthcare delivery for the purposes of quality assurance or improvement

**Transition to Practice**

- EPA 1 Managing the multidimensional aspects of nephrology practice

Over the course of the Adult Nephrology Training Program at Western University, trainees will cover the competencies and objectives outlined in the Royal College Nephrology Competencies found [here](#). In this rotation, the following competencies will be emphasized:

**MEDICAL EXPERT (the integrating role):**

- 1) Possesses the basic scientific knowledge relevant to peritoneal and home hemodialysis.
- 2) Possesses the clinical knowledge relevant to peritoneal and home hemodialysis.
- 3) Gathers and uses all of the pertinent information to arrive at complete and accurate clinical decisions.
- 4) Recognizes and manages emergency conditions.
- 5) Demonstrates knowledge of the indications for and risks of creation of vascular and peritoneal access.
- 6) Demonstrates proficiency in the management of a patient with ESRD including anemia, blood pressure, calcium and phosphate homeostasis
- 7) Writes peritoneal and home hemodialysis prescriptions that deliver adequate dialysis with consideration for individual patient's volume electrolyte and anticoagulation status.
- 8) Overall is proficient in clinical and procedures skills. Minimizes risks and discomforts to the patient.

**COMMUNICATOR:**

- 1) Establishes a therapeutic relationship with patients and communicates well with family. Provides clear and thorough explanations of diagnosis, investigation, and management.
- 2) Establishes good relationships with peers and other health professionals. Effectively provides and receives information.
- 3) Prepares documentation that is accurate and timely.
- 4) Discusses problems related to the initiation and withdrawal of dialysis and the management of death from renal failure in an effective and ethical fashion.

**COLLABORATOR:**

- 1) Interacts effectively with other health professionals by recognizing and acknowledging their roles and expertise.
- 2) Consults and delegates effectively and appropriately.
- 3) Collaborates effectively and constructively with other members of the health care team.

**LEADER:**

- 1) Understands and makes effective use of information technology, such as methods for searching medical databases.
- 2) Makes cost effective use of health care resources based on sound judgement.
- 3) Sets realistic priorities and uses time effectively in order to optimize professional performance.
- 4) Understands the role of the Nephrologist as a manager of a multi-disciplinary program caring for patients with kidney disease.

**HEALTH ADVOCATE:**

- 1) Identifies the social, economic, and biologic factors that may impact on an individual patient's health.
- 2) Identifies the social, economic, and biologic factors that may impact on the health care of groups of patients with renal disease.
- 3) Responds appropriately in advocacy situations.

**SCHOLAR:**

- 1) Demonstrates an understanding and a commitment to the need for continuous learning. Develops and implements an ongoing and effective personal learning strategy.
- 2) Critically appraises medical information. Successfully integrates information from a variety of sources.
- 3) Helps others learn by providing guidance, teaching and by giving constructive feedback.
- 4) Demonstrates the skill of contributing to the development of new knowledge by the performance of case reports, original scientific research, or participation in the performance of CQI (continuous quality improvement).

**PROFESSIONAL:**

- 1) Demonstrates integrity, honesty, compassion, and respect for diversity.
- 2) Understands the medical, legal, and professional obligations of the specialist.
- 3) Meets deadlines, is punctual, monitors patients and provides follow up.
- 4) Understands the principles of ethics and applies these in clinical situations.
- 5) Demonstrates an awareness of own limitations, seeking advice when necessary. Accepts advice graciously.

**ADDITIONAL INFORMATION:**

This rotation is designed to ensure the nephrology trainee develops expertise in all aspects of home dialysis and management of patients on dialysis in the satellite clinics.

- 1) The trainee assigned to the Home Dialysis Unit will be based at Westmount Kidney Care Clinic (Westmount Shopping Centre) and is expected to attend the Peritoneal Dialysis Clinic on Tuesday mornings and the Peritoneal Dialysis Meetings on Thursday mornings.
- 2) The trainee attends the Quotidian Dialysis Clinic on Thursdays at 1300 hours and Meeting/Rounds are held on Mondays at 1400 hours.

- 3) The trainee is expected to be available to review all drop-in Peritoneal Dialysis patients and to review their blood work with the nursing staff.
- 4) The trainee is expected to round on the 5 - 7 patients in the In-Centre Daily Hemodialysis Program at the Kidney Care Centre – Home Hemodialysis Unit (Westmount Shopping Centre) once a week and be available for medical emergencies for patients on hemodialysis at the Kidney Care Centre – Home Hemodialysis Unit (Westmount Shopping Centre).
- 5) The trainee is also expected to attend the noon hour Journal Club Rounds held on Mondays from 1200 - 1300 hours and is assigned to present at least once during their two-month rotation.
- 6) The nephrology trainee will participate in the Nephrology Resident Call schedule (home call), as per PARO guidelines.