

WESTERN UNIVERSITY
NEPHROLOGY ROTATION OBJECTIVES
RESEARCH ELECTIVE - VICTORIA & UNIVERSITY HOSPITAL

Created: December 5, 2024

Reviewed by Residency Program Committee: December 17, 2024

Next review date: September 2026

PREAMBLE:

- Trainees in their second year (PGY5), have the option to choose this elective to further enhance their research skills.
- The Trainee will be responsible for identifying a research supervisor and developing their own personal learning objectives for the block.
- Prior to the block being scheduled, the Trainee must develop a research plan, which includes their research project, personal learning objectives, and expected outputs. This must be co-signed by their research supervisor.
- At the end of the Research elective, the Trainee must provide a 0.5-1-page summary of the research block that summarizes their accomplishments, if they met their research goals, and any expected future work. This must also be co-signed by their research supervisor.

EVALUATION:

- 1) Rotation ITER

EDUCATIONAL RESOURCES AVAILABLE:

- 1) Library facility.
- 2) Online educational material.

Achievable Entrustable Professional Activities

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

Transition to Discipline

N/A

Foundations

N/A

Core

- EPA 20 Advancing the discipline through scholarly activities
- EPA 22 Identifying and analyzing patient- and/or system-level healthcare delivery for the purposes of quality assurance or improvement.

Transition to Practice

N/A

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:

- 1) Recognizes the complexity and uncertainty inherent in Nephrology and develops a research question based on gaps in scientific knowledge
- 2) Demonstrates the ability to conduct comprehensive literature searches using reputable sources
- 3) Demonstrates an understanding of different methodologic designs that can be employed to answer a research question
- 4) Demonstrates the ability to perform data analysis using various statistical programs

COMMUNICATOR:

- 1) Demonstrates the ability to communicate research findings in both oral and written forms

COLLABORATOR:

- 1) Establishes and maintains positive relationships with other members of the research team
- 2) Interacts effectively with other members of the research team to effectively resolve conflicts or competing interests

LEADER:

- 1) Establishes goals and expectations of the research team
- 2) Demonstrates ability to motivate research team to meet deadlines for grant submissions, ethics approval applications, and manuscript submissions

HEALTH ADVOCATE:

- 1) Respond to the needs of patient participants in a research study by clearly explaining the research project/goals and minimizing harm or discomfort.
- 2) Improves clinical practice by identifying a scientific gap in knowledge that addresses disease prevention, health promotion, and health surveillance activities.

SCHOLAR:

- 1) Engages in the continuous enhancement of their professional activities by developing, implementing, and engaging in a personal learning plan to improve their research skills.
- 2) Recognizes knowledge gaps in Nephrology and generates focused questions that can address them
- 3) Demonstrates the ability to critically evaluate medical literature
- 4) Contributes to the dissemination of knowledge by developing a research program
- 5) Identifies ethical principles in research and incorporates them into the research program

PROFESSIONAL:

- 1) Exhibits professional behaviours such as compassion, integrity, respect, patient safety, and confidentiality
- 2) Recognizes and manages conflicts of interest
- 3) Adheres to ethical codes of conduct and standards of practice in clinical research
- 4) Demonstrates an understanding of the legal and professional obligations of a Research Investigator