

**January 2019**

### **Goals and Objectives for the Nephrology Rotation**

Training will be primarily based out of the Health Sciences Centre, under the supervision of Adult Nephrologists. Nephrology and kidney transplant clinic attendance at the Kidney Care Centre is also expected.

Residents will work closely with the staff Nephrologist, and the Nephrology fellow if available, in seeing all Nephrology consultations and assist in managing all hemodialysis, peritoneal dialysis, and renal transplant in-patients. Trainees are expected to develop an approach to the work-up and management of common Nephrology presentations and renal syndromes. Throughout the rotation residents are expected to continue to develop and demonstrate communication, collaborative and professional skills that are not only relevant to Nephrology, but will aide them in the Internal Medicine training going forward.

Review of rotation objectives will be done in conjunction with creation of a learning contract at the beginning of the rotation. Trainees completing the program should expect to achieve the key competencies described. This will be documented using an in-training evaluation report (ITER) at the end of the rotation. Throughout the rotation residents will be assessed via direct observation and review of consultations, case presentations and pertinent procedures, which may include supervised ultrasound guided temporary dialysis line insertion. In accordance with CBD principles, all residents are required to submit EPA assessments with documented narrative coaching via the MUNCAT app per week to evaluate and guide their progress. This will also be documented using an end of rotation in-training evaluation report (ITER) or longitudinal rotational assessment, depending on the applicable resident curriculum.

In addition to the rotational objectives and key competencies described below, the following EPAs may be covered during the Nephrology rotation. These will depend on the learner's stage of training, progress and individual learning needs. The learning contract and rotational goals created at the beginning of the rotation can help specify which EPAs the learner may want to focus on throughout their rotation.

#### **Transition to Discipline:**

TD1: Performing histories and physical exams, documenting and presenting findings, across clinical settings for initial and subsequent care

TD3: Performing the basic procedures of internal medicine

#### **Foundations:**

F1: Assessing, diagnosing, and providing initial management for patients with common acute medical presentations in acute care settings

F6: Discussing and establishing patients' goals of care

F7: Identifying personal learning needs while caring for patients, and addressing those needs

## **Core:**

C1: Assessing, diagnosing, and managing patients with complex or atypical acute medical presentations

C2: Assessing and managing patients with complex chronic conditions

C3: Providing internal medicine consultation to other clinical services

C5: Performing the procedures of Internal Medicine

C7: Discussing serious and/or complex aspects of care with patients, families, and caregivers

C10: Implementing health promotion strategies in patients with or at risk for disease

## **Medical Expert**

1. Elicit a history and focused physical examination that is relevant, concise, and accurate in patients with common renal syndromes.
2. Develop a differential diagnosis and appropriately investigate and manage patients with common renal syndromes, including AKI, CKD, hematuria, proteinuria, and nephrolithiasis
3. Demonstrate an approach to the work-up and treatment of acid-base disturbances and fluid and electrolyte abnormalities
4. Interpret common urine tests, including urinalysis, microscopy and urine electrolytes.
5. Know the indications, contraindications, and risks of renal biopsy.
6. Recognize when renal replacement therapy is necessary, in both acute and chronic renal failure situations.
7. Have an understanding of the differences between, and risks of, different modes of renal replacement therapy, including transplantation
8. Understands the role of the kidney in systemic diseases, including diabetes, hypertension, lupus and vasculitis

## **Communicator**

1. Demonstrate effective shared decision-making with patients and families regarding dialysis modality, initiation or withdrawal and goals of care
2. Works effectively with all members of the allied health-care team in the dialysis unit and in-patient ward
3. Demonstrates effective verbal and written communication with the multidisciplinary health care team and consultants, including handover, clinical documentation and formal consultations

## **Collaborator**

1. Understands the role of the nephrology consultant in the health care team
2. Work with an interdisciplinary team to develop appropriate diagnostic and therapeutic strategies for patient care.

## **Leader**

1. Understands the need to prioritize and allocate renal replacement resources, including transplantation, appropriately and in cost-effective manner.
2. Effectively manages time and competing interests

## **Health Advocate**

1. Counsels and educates patients on the importance of compliance, chronic disease management and life-style modification, including diet, exercise, smoking cessation, in CKD

## **Scholar**

1. Participation in Nephrology journal club and critical appraisal.
2. Critically appraise Nephrology related literature as it relates to individual patients.
3. Lead educational rounds on a Nephrology-related topic

## **Professional**

The Internal Medicine Resident will demonstrate a commitment to their patients, profession and society through ethical practice.

1. Behave in a respectful manner toward patients, families, and other health professionals.
2. Consider ethical issues and patients' wishes in making treatment decisions.
3. Ensure adequate transition of care of patients including assuring proper handover of patients.
4. Recognize the limits of one's expertise by knowing when to call for help
5. Demonstrate a commitment to improving one's performance by seeking and responding to feedback
6. Answer pages promptly and display punctuality