

Name of rotation: Nephrology Consultation Service **Division:** Nephrology

Course Director: Daniel Salzberg, M.D. **Site(s):** UMMC & VA

Duration of rotation: one month only
 2 weeks possible

General description of the rotation including educational purpose, rationale or value:

The Consultation Service in Nephrology serves two hospitals; the University of Maryland and the Baltimore VA Medical Center. During the rotation, the residents get a broad exposure in nephrology including pathogenesis and natural history of renal diseases, management of congenital and acquired diseases of the kidney and the urinary tract, renal diseases associated with systemic diseases and in depth understanding of acid base problems. In addition, the residents familiarize themselves with evaluation and management of patients with kidney disorders including hypertension, tubular interstitial diseases, glomerular and vascular diseases, mineral metabolism including nephrolithiasis and renal osteodystrophy. The resident also follows patients with acute and chronic renal failure and learns the technique of acute hemo and peritoneal dialysis. An optional rotation on the transplantation service is offered. Residents will also spend one half day per week in the multi-organ transplantation clinic and/or renal clinic.

Resident responsibilities, including interns and residents:

The residents works in close association with the renal fellows. The resident performs the initial consultation, then presents the case to the renal fellow, and on the same day to the renal attending. The resident is responsible for seeing the patients daily during the weekdays and maintaining an up-to-date flow sheet on patient chemistries, weight, and vital signs. Also the resident performs a urinalysis on each patient seen and reviews it with the renal fellow. The resident is expected to attend the weekly clinical renal conferences and to present a review of a renal topic to the consultation team.

Educational Objectives: An expanded version of the competencies is listed under Core Competencies in Internal Medicine. Those listed here are specific to this rotation. Since residents may choose this elective during any year of training, PGY-1 goals and objectives are distinct for those for upper level residents, and PGY-2 and 3 goals and objectives are similar.

During this rotation, the PGY-1 resident will:

Patient Care – See Core Competencies

Medical Knowledge

1. Discuss the differential diagnosis and treatment of acute and chronic renal failure and common electrolyte disorders.
2. List the major indications and risks of hemodialysis, peritoneal dialysis and transplantation.
3. Enumerate and discuss the major causes, complications and management of acute and chronic renal failure.
4. Perform and interpret a urinalysis.

Practice-Based Learning - See Core Competencies

Interpersonal and Communication Skills – See Core Competencies

Professionalism – See Core Competencies

System-Based Practice – See Core Competencies

During this rotation, the PGY-2 or 3 resident will:

Patient Care – See Core Competencies

Medical Knowledge

1. Discuss expansive differential diagnosis and treatment of acute and chronic renal failure and common electrolyte disorders.
2. List the major indications and risks of hemodialysis, peritoneal dialysis and transplantation.
3. Discuss the major causes, complications and management of acute and chronic renal failure.
4. Perform and interpret a urinalysis.

Practice-Based Learning - See Core Competencies

Interpersonal and Communication Skills – See Core Competencies

Professionalism – See Core Competencies

System-Based Practice – See Core Competencies

Check all principle teaching methods used during this rotation:

- | | | | |
|-------------------------------------|--------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Attending teaching rounds | <input type="checkbox"/> | Interdisciplinary rounds |
| <input checked="" type="checkbox"/> | Patient management discussions | <input checked="" type="checkbox"/> | Small group discussions |
| <input checked="" type="checkbox"/> | Conferences specific to rotation | <input checked="" type="checkbox"/> | Bedside clinical rounds |
| <input checked="" type="checkbox"/> | Individual instruction of procedures | <input checked="" type="checkbox"/> | Review of diagnostic studies, including radiology |
| <input type="checkbox"/> | Other: _____ | | |

Describe the most important educational content, including the mix of diseases, patient characteristics, types of clinical encounters, procedures and services:

The residents see a wide variety of renal pathology in the two major hospitals. We also have a large population of hemodialysis, peritoneal dialysis, and transplant patients. Renal social and dietary services add to the practical aspect of daily nephrology.

Check the principal ancillary education materials used:

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|-------------------------------------|-----------------------------|-------------------------------------|------------------------------|
| <input checked="" type="checkbox"/> | Reading lists | <input checked="" type="checkbox"/> | Pathologic material |
| <input checked="" type="checkbox"/> | Radiologic studies | <input checked="" type="checkbox"/> | Other noninvasive studies |
| <input checked="" type="checkbox"/> | Handouts on relevant topics | <input checked="" type="checkbox"/> | Articles from the literature |
| <input type="checkbox"/> | Other: _____ | <input checked="" type="checkbox"/> | Case studies |

Methods used to evaluate the resident and the rotation:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Evaluation of residency performance and professionalism |
| <input checked="" type="checkbox"/> | Evaluation of attending teaching skills and other attributes |
| <input checked="" type="checkbox"/> | Rotation assessment by resident |
| <input checked="" type="checkbox"/> | Observation of resident's clinical competency |
| <input checked="" type="checkbox"/> | Observation of resident's leadership and teaching skills |
| <input checked="" type="checkbox"/> | Review of the resident's history/physical exam, progress notes and documentation of procedures in the chart |
| <input checked="" type="checkbox"/> | Resident's attendance of rounds and conferences monitored |
| <input type="checkbox"/> | Other: _____ |

Identify strengths and limitations specific to the resources of the sponsoring institution:

No major limitations of the sponsoring institutions have been noted.

Conferences or Attending/Patient Care Rounds: (Journal club, division rounds, etc.)

<u>Name</u>	<u>Location</u>	<u>Day</u>	<u>Time</u>
Nephrology Conference	UMMC	Tuesday	1:00 pm
Nephrology Fellows Conference	UMMC	Wednesday	4:00 pm

Clinics:

<u>Name</u>	<u>Location</u>	<u>Day</u>	<u>Time</u>
Renal	VA	Wednesday	8:30 am
Renal	UMPB	Thursday	1:30 pm
Transplantation	Frenkil Building	Mon-Thurs	8:30 am

The resident and faculty members of the Postgraduate Education Committee reviewed and edited the content of this curriculum at its meeting on 7/18/07.