

TO: PA Students

FROM: T. James Gallagher, M.D., FCCM
Professor of Anesthesiology and Surgery

SUBJECT: Goals and Objectives for CCM Rotation – NeuroICU

For your Neuro Intensive Care Unit rotation, please note the following:

1. Please report to the North Tower Neuro ICU at 6:30 am on the first day of your rotation. Mrs. Jennifer Barghout will inform you who you should report to on your first day.
2. Thereafter, you will come to work each morning at 0630 and be dismissed by about 1830, unless the Neuro ICU Attending and senior PA think it is better to let you go earlier.
3. Please click on the link below for the most up to date lecture schedule. You are **expected to attend** the CCM Lecture Series every Tuesday at 12pm (unless noted otherwise on google calendar) and Grand Rounds at 12 pm every Thursday in M624 (starting September 8, 2016 for the 2016-2017 academic year). These lectures will encompass components of both anesthesiology and critical care.

https://calendar.google.com/calendar/embed?src=9ro5hkoiom83ek8qhk32ler1eo@group.calendar.google.com&ctz=America/New_York&title=CCM/Surgery/Pulmonary+Combined+Calendar

4. You will be expected to work one side of the Neuro ICU hall with either the senior PA or the Attending. You will take call every 4th day, picking up new patients with the on-call resident.
5. You will be allowed to assist in Neuro ICU procedures with the senior PA, Attending and/or Fellow.
6. **You will work one weekend on-call; otherwise, you have weekends free for reading.**

If there are any problems or questions, please contact one of the following individuals:

Dr. Gallagher
Vera Barnes

352-494-5336 cell
273-8630 office

Neurointensive Care Unit Rotation for Physician Assistant Students
The Department of Anesthesiology
University of Florida College of Medicine

Participants:

Critical Care Medicine Attending Physician
Physician Assistants
Critical Care Medicine Fellows [Evenings]
Senior Physician Assistant Students [1 to 2 per 4-week month]

Place:

North Tower 82 Neuro ICU and Burn ICU

Objectives:

By the end of the Neuro ICU preceptorship, students will demonstrate on a written examination the ability to:

- A. Understand the pathophysiology / epidemiology of the illness
- B. Describe the clinical presentation (signs and symptoms)
- C. Select appropriate diagnostic examinations (lab, radiology, special studies)
- D. Formulate a comprehensive differential diagnosis
- E. Develop a management plan
- F. Describe appropriate patient education/follow-up instructions

for patients presenting with the below-listed clinical problems. The student will also note any special considerations for elderly patients.

HEENT/Ophthalmology/Otolaryngology

Sinusitis
URI's

Neurologic/Psychiatric/Behavioral

Alzheimer's disease
Altered Mental Status
Stroke
AV Malformation
Intracerebral Aneurysm
Syncope
Craniotomy for tumor

Cardiovascular/Respiratory

Atherosclerotic coronary artery disease
Cardiac arrhythmias
Cardiomyopathy
Congestive heart failure
COPD
Hypertension
Myocardial infarction
Peripheral vascular disease
Valvular heart disease
Pleural effusion
Pneumothorax

Dermatology

Dermatomycoses
Dermatologic manifestations of internal disease
Thermal Injury

Endocrine/Metabolic

Adrenal disease
Diabetes Mellitus
Diabetes Insipidus
Obesity
SIADH
Pituitary disorders
Thyroid disorders

Infectious Disease

Pneumonia
Sepsis
Tracheobronchitis

Hematology/Oncology

Disorders of RBC's (sickle cell disease, thalassemia, polycythemia vera, anemias)
Disorders of hemostasis - thrombocytopenia, DIC

Musculoskeletal/Rheumatologic

Fractures
Joint Replacement Surgery

Gastrointestinal/Genitourinary/Renal

Acute renal insufficiency and failure
Chronic renal failure
Cirrhosis
Disorders of Absorption
Hepatitis and hepatic coma
Nephrolithiasis
Pancreatitis
Appendicitis
Biliary tract disease
Breast cancer
Cholecystitis
Crohn's Disease
Diverticulosis
GI bleeding
GI cancers
Prostate cancer
PUD
Paralytic ileus
Mechanical bowel obstruction

Skill Objectives

While it is recognized that students will be exposed to a variety of clinical skills in this preceptorship, by its end students should be familiar with:

1. Perform a complete/focused history and physical examination of a patient presenting with any of the above problems.
2. Write daily, legible progress notes on all patients being followed.
3. Interpret EKG features of the common cardiac arrhythmias.
4. Correctly evaluate laboratory data as to significant findings for any of the above conditions.
5. Give an organized and concise verbal presentation.
6. Implement ACLS protocols during code situations.
7. Perform simple procedures (phlebotomy, arterial blood gases, cultures, etc.)
8. Discuss the preoperative assessment of patients. Specifically note which types of surgery, and what pre-existing conditions are associated with an increased incidence of postoperative complications. Also note which conditions would cause an elective surgical procedure to be postponed.
9. Outline the monitoring and evaluation of the postoperative patient, noting the diagnosis and management of common post-op complications.
10. Describe special considerations that must be given to surgical patients with respect to fluid and electrolyte management.
11. List the indications and use of preoperative medications for general surgery procedures.
12. List the potential complications associated with general anesthesia.
13. Describe how to determine and differentiate between the severity of burns. Discuss the possible complications and prognosis associated with various types of burns.
14. Discuss medications to be discontinued prior to elective surgical procedures.
15. Discuss preoperative testing for surgical procedures.

Attitude Objectives

1. Be cognizant of the importance of periodic evaluations in the management of chronic diseases.
2. Appreciate the importance of continuity of care in the management of chronic illness.
3. Be cognizant of a patient's right to refuse treatment and their views on death and dying.
4. Evaluate elevated intracranial pressure and treatment.
5. Perform detailed neurologic exam.
6. Understand treatment and complications of subarachnoid hemorrhage.
7. Understand principles of mechanical ventilation.



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DR. GALLAGHER'S READING LIST

The Neuro ICU Reading List from Dropbox:

[https://www.dropbox.com/sh/gwmzhakvz28q1ln/AACH3hMkzRy78HhaXT3xJlsTa?
dl=0](https://www.dropbox.com/sh/gwmzhakvz28q1ln/AACH3hMkzRy78HhaXT3xJlsTa?dl=0)

The articles are required reading for the Neuro ICU Rotation.