TO: PA Students

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

SUBJECT: Your SICU Rotation

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

1. Since we run on a 13-month year and you don’t, please call Ms. Deb Kahakua prior to your first day so she can tell you where and when to show up.

2. Thereafter, you will come to work each morning at 0630 and be dismissed by about 1830, unless the SICU Attending and senior PA think it is better to let you go earlier.

3. You will receive a lecture schedule, and are expected to attend Tuesday 7am and noon conferences as well as CCM M&M conferences. The lecture series will encompass components of both the anesthesiology and the SICU lecture series, which occur at 1200 each day in 2512.

4. You will be expected to work one side of the SICU 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 SICU procedures with the senior PA, Attending and/or Fellow.

6. **You will work one weekend on-call; otherwise, you have weekends free for reading.**

7. Ms. Deb Kahakua, assistant to Dr. Gallagher (room M-508 in the North Tower) will provide you with the required materials for the SICU rotation, usually by e-mail. These include rotation objectives, progress note format and the current lecture and call schedules.

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

- Dr. Gallagher 352-494-5336 cell
- Deb Kahakua 273-8298 office or 352-256-9008 cell
Surgical Intensive 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 SICU 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
- Craniotherapy 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
- Dermatophytoses
- 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.
5. Perform detailed neurologic exam.
6. Understand treatment and complications of subarachnoid hemorrhage.
7. Understand principles of mechanical ventilation.
SICU READING LIST

The SICU Reading List from the CCM web site:

http://www.anest.ufl.edu/articles/sicu

The articles are required reading for the SICU Rotation.

DR. GALLAGHER’S VIDEO LECTURES

http://www.anest.ufl.edu/ccm/movies.html

The video lectures can be viewed from the CCM web site:

1. Cardiac Output
2. CV Monitoring
3. Hyperalimentation
4. Mechanical Ventilation
5. Acid-Base Issues

View the lectures and be familiar with the content of each.

There is also a copy of a student guide at:

http://www.anest.ufl.edu/ccm/medstudentguide.pdf

If you’d like a hard copy of this, see Deb.