

Phase I Elective Bulletin, 2006-2007

January 2, 2007– March 2, 2007

ANAT 5085 – Essentials of Education

Department: Cell Biology and Anatomy
Course Director(s): Carol A. Nichols, PhD
Day Offered: Friday
Enrollment: Minimum: 4 - Maximum: 8
Time: 1:00 pm to 3:00 pm.
Location: CB-1847

Course Description: Essentials of Education is designed for students interested in teaching and assisting in summer courses or those interested in academic medicine. Students will learn from workshop style practical activities and interactions with each other. Topics include how to organize handouts and lectures, recognize and respond to various learning styles, produce coherent lectures for presentation, how to give feedback, and prepare quality exam questions.

Course Goals: Provide students with the basic fundamentals of adult education and teaching elements to prepare them for summer teaching assistant positions and potential careers in academia.

Course Objectives: Assess learning styles, demonstrate effective teaching strategies, give constructive feedback, recognize and construct multiple choice questions, demonstrate proficiency with PowerPoint, understand fair use copyright laws, and organize handouts

Assessment: Pass/ Fail based on participation, assignments, and end of course presentation.

(For additional information, contact Dr. Carol Nichols at ext.2569)

ANES 5085 - Introduction to Anesthesia

Department: Anesthesiology and Perioperative Medicine
Course Director(s): Audrey Alleyne, MD
Co-Director: L. Ashley Mullinax, MD
Day Offered: Monday
Enrollment: Minimum: 2 Maximum: 14
Time: 1:00 pm to 3:00 pm.
Location: Anesthesia Department-BIW-2144

Course Goals: Students will learn about the complex field of Anesthesiology which encompasses fields of medicine and surgery using applied physiology, pharmacology, anatomy and pathophysiology.

Course Objectives: Lectures in a number of subspecialty areas of Anesthesiology including obstetrical anesthesia, neuroanesthesia, cardiac anesthesia, pediatric anesthesia, pain medicine and general anesthesia. Followed by exposure to the clinical application of this information.

Course Activities: 30 Minute lecture each week
1.5 hour clinical rotation each week
Students will have the opportunity to observe the adult OR, CMC, OR, Preop, Pain Management Clinic, OB-GYN, & SICU

Assessment: Students will discuss and critique the course with attending and resident on the last rotation day.

(Lecture: 0.5 Hr, Clinic: 1.5)

(For additional information, call Gale Wilhelm at ext 4468)

***EMED 5085 – Freshmen Emergency Medicine Experience**

Department: Emergency Medicine
Course Director(s): Hartmut Gross, MD
Day Offered: Monday and Friday
Enrollment: Monday – Maximum: 4 per 2 hour block
Friday – Maximum: 4 per 2 hour block
Time: 1- 3 pm, 3- 5 pm, 5-7 pm, 7-9 pm
Location: MCG Emergency Room

Course Description: Students will shadow faculty in the Emergency Medicine Department

Course Goals: Students will learn firsthand what goes on in the Emergency Medicine Department

Course Objectives: Students will learn firsthand what goes on in the Emergency Medicine Department

Assessment: Pass/Fail

* Dr. Gross is willing to make this available on other days as well and will work with the class president to accommodate everyone that has an interest in this elective.

(For additional information, call Susan Baxley at ext 4412)

EMED 5086 – Introduction to Wilderness Medicine

Department: Emergency Medicine
Course Director(s): Hartmut Gross, MD
Day Offered: Friday
Enrollment: Minimum: 5 Maximum: Unlimited
Time: 1-3
Location: AF 1002

Course Description: Lecture series covering the diversity of medical problems encountered in the wilderness.

Course Goals: Students will gain an overview of the vast subspecialty of wilderness medicine

Course Objectives: The student will be able to discuss aspects of water purification, envenomation, wild animal bites, orthopaedic injuries, marine problems, cold and heat injuries and much more.

Assessment: Pass/Fail

(For additional information, call Susan Baxley at ext 4412)

EMED 5087 – Basic Emergency Response

Department: Emergency Medicine
Course Director(s): Hartmut Gross, MD
Day Offered: Monday
Enrollment: Minimum: 5 Maximum: 20
Time: 1-3
Location: TBA

Course Goals: Students will develop knowledge and skills required for emergency response in pre-clinical settings.

Course Objectives: Students will develop knowledge and skills required for emergency response in pre-clinical settings. Upon completion students will understand their role in basic emergency response, be able to assess emergency situations and victims, and perform basic skills to help stabilize a trauma or medical patient in the field.
(For additional information, call Susan Baxley at ext 4412)

GMED 5085 – Introduction to Women’s Health for All Physicians

Department: Medicine
Course Director(s): Jill Miller, MD
Day Offered: Monday
Enrollment: Minimum: 5 Maximum: 15
Time: 1-3
Location: TBA

Course Description: This elective is an opportunity to explore issues that directly impact women and their health (both the medical aspects as well as the psychological impact). Examples of topics include contraceptives, abortion, women’s rights, midwifery, cancer, AIDS, rape, and autoimmune disorders. For additional information, contact Carter Owens at 706/394-5713.

Goals: The goal of this elective is to enrich your knowledge of women’s health issues.

Objectives: At the end of the elective, students will have acquired an increased knowledge of: 1) Issues directly impacting women’s health and 2) Addressing the needs of women as future practitioners.

Assessment: Students are required to attend all but one session to receive a satisfactory evaluation for this elective.

GMED 5086 – Cancer Biology/Cancer Treatment

Department: Medicine/IMMAG
Course Director(s): Nurul H. Sarkar, PhD
Day Offered: Monday
Enrollment: Minimum: 5 Maximum: 25
Time: 1:15 – 3:15 pm
Location: CB-2403

Course Description: This will be the 8th year of this course that discusses our current understanding of the molecular mechanisms involved in the development of a variety of cancers, such as cancer of the breast, colon, lung, ovary, and prostate. Topics include cancer risk factors, the molecular basis of cancer treatment, treatment options, possible improvements of patient outcomes, as well as cancer prevention. Some very talented oncologists will be telling you their experiences in this field: Drs. Motamed (Metastasis); Voloschin (brain cancer); Sridhar (colon cancer); Dr. Landolfo (lung cancer); Rory Dalton (Breast cancer); and 4 other physicians. This course has provided strong incentive to a number of students to do some research work on-campus in the summer, as well as to work towards becoming oncologists and/or cancer research scientists. For additional information, call Dr. Nurul H. Sarkar at 7657

Course Goals: Cancer is a serious disease. All students should know about the various diseases and what preventative measures should be taken.

Course Objectives: The objective of this course is to gain the interest of students in the field of oncology

MEDI 5085 – Global Health Awareness

Department: Curriculum Office
Course Director(s): T. Andrew Albritton, MD
Day Offered: Monday
Enrollment: Minimum: 5 Maximum: Unlimited
Time: 1 – 3 pm
Location: TBA

Course Goals.:

In today’s world of increasing globalization, diseases have the potential to transcend national boundaries. This course aims to emphasize the importance of global health awareness, promoting understanding health care and the influence of social, political, and economic factors. The course will demonstrate why and how the study of international health and experiences abroad are important to health care in the US. Emphasis will be placed on the importance of the ability to work in a cross-cultural setting both internationally and domestically.

Course Objectives:

Upon completion of the course students will have gained familiarity with topics influencing global health including: geographic, cultural, political and environmental factors, shortage of global health workers, access to essential medicines, maternal and infant health, nutrition, technology transfer/intellectual property and neglected disease research. Through guest speakers, students will have established contacts with community leaders in the field. Students will also be offered the opportunity to participate in student lead international opportunities to create their own global health experiences.

Course Activities:

The format of the course will be lecture/ seminar style where the first fifteen minutes to the first half hour will be dedicated to a special topic or issue in global health. For instance, we will discuss AIDS in Africa or the Central American Free Trade Agreement in context of the current state of healthcare and how it is being affected, and then discuss what is being done about the situation. This will be in the form of a presentation, and then the student or faculty member will be leading the talk and the discussion at the end of the class. After the presenter has finished we will have a guest speaker, whose experiences correlate with the selected topic: a physician at MCG who has worked in an AIDS clinic in an African country, or in Central America and can talk about their first hand encounter with the situation and the patients. The talk will be followed by a question and answer session as well as a discussion where students will put forth ideas amongst their classmates and MCG faculty. Before each lecture we will encourage the students to read material selected by the student, faculty member, or guest speaker.

Furthermore, we will encourage students to participate in a number activities outside of the classroom whether it be fundraising for the first year summer trips or actually participating themselves, participating in the Migrant Clinic, or representing the Medical College of Georgia at the regional and national level by attending conferences that focus on Global Health issues.

A list of possible topics covered includes, however, will not be limited to the following:

- HIV/ AIDS: Africa and Southeast Asia
- The Current Global Healthcare Crisis: Emerging Diseases, Lack of Access to Essential Medicines, Lack of Trained Healthcare Workers in Developing Countries
- Disaster Relief : Tsunami, the civil war in Uganda, and Hurricane Stan in Guatemala
- Human Rights and Women's Health
- Healthcare Implications of the Central American Free Trade Agreement: why Costa Rica is not signing
- The Unheard Voices : The Life of a Migrant Worker in the United States
- Neglected Disease Research and the Funding Gap
- Global Health Workers on the Ground: Doctors Without Borders, Oxfam, MCG faculty

Assessment:

The students will be given a satisfactory grade based on their attendance. We encourage strong participation, but feel that objectives of the course emphasize the importance of awareness and education, and the level of participation should be decided by the student.

NEUR 5086 – Sleep Medicine

Department: Neurology
Course Director(s): Yong D. Park, MD
Day Offered: Friday
Enrollment: Minimum: 3 Maximum: 10
Time: 1 pm – 2 pm
Location: BG 2000H – Dugas Building

Course Goals: Review the normal physiology of human sleep; -overview sleep disorders; - understand the diagnosis and treatment of sleep disorders

Course Activities: Lecture, discussion and seminar

Assessment: Attendance

(For additional information, call Yong Park at ext 3371)

OBN 5085 – Real Life Gynecology

Department: Obstetrics/Gynecology
Course Director(s): Michele Manting-Brewer
Day Offered: Monday
Enrollment: Maximum: 8
Time: 1 pm – 4 pm
Location: TBA

Course Goals: Introduce first year students to clinical women's health practices.

Course Objectives: Provide clinical opportunity to interview and examine female patients. If the opportunity presents itself, pelvic examinations will be taught and practiced.

Course Activities: History and physical examination of women. A "hands on" introduction to the practice of women's health, obstetrics and gynecology and its subspecialties.

Assessment: Participation in all sessions meets expectations.

OBN 5086 – Mind-Body Medicine Group Experience

Department: Obstetrics/Gynecology
Course Director(s): Michele Manting-Brewer
Day Offered: Friday
Enrollment: Minimum: 4 Maximum: 10
Time: 1-3:30 pm
Location: BP 5270

Course Goals: Meet to provide training in Mind-Body Medicine, stress reduction and relaxation. Using the techniques developed by James Gordon and the Center for Mind-Body Medicine.

Course Objectives: Training and experiential activities in stress reduction and relaxation

Course Activities: Meditation, breathing exercises, guided imagery and a whole range of mind-body-spirit techniques designed to enhance well being.

Assessment: Attendance at all session is required because this is a group process that requires active, continuous participation as a responsibility to the group.

OPTH 5085 – Ophthalmology Research Elective

Department: Ophthalmology
Course Director(s): Dr. Balamurali Ambati
Day Offered: Monday
Enrollment: Minimum: 1 Maximum: 4
Time: 1pm – 5pm
Location: CB 141

Goals: Develop an understanding of how to develop and answer key questions in ophthalmology research

Objectives: Learn experimental formulation, design, and implementation. Become familiar with standard molecular biology assays. Conduct relevant and worthwhile research in the field of ophthalmology

Activities: May include recombinant DNA, cell culture, cadaver eye, or animal research at discretion of student. Writing for publication is encouraged.

Assessment: Based on dedication, ability and willingness to learn, and contributions to research project.

PEDS 5087 - Neonatology

Department: Pediatrics
Course Director(s): Dr. Jatinder Bhatia
Day Offered: Friday
Enrollment: Maximum: 15
Time: 1-2 pm
Location: 5 NICU

Course Description: This elective is an observership in which students will be learning about common Neonatal problems. feeding techniques and their rationale, and treatment modalities used in common problems observed. For additional information call Dr. Jatinder Bhatia at 721-2286.

Course Goals: Expose the new medical student to technological, medical , and ethical issues associated with the care of the fragile newborn, especially the premature infant.

Course Objectives: 1) Define prematurity and how it is determined; discuss morbidity and mortality associated with varying degrees of maturity; 2) Discuss common medical problems faced by premature infants, treatments and cost of health care; 3) Discuss ethical issues surrounding the dying neonate and the limits of viability; 4) Discuss common congenital anomalies; 5) Outline health issues in the mother that affect the newborn including legal and illegal drugs.

Course Activities: The course will be taught at bedside or in the NICU conference room depending upon the subject matter. A relevant case would be selected as a lead off for discussion around the objectives listed.

Assessment: The student evaluations will be used to assess the course.

PEDS 5088 - Developmental Pediatrics: What is a Special Child?

Department: Pediatrics
Course Director(s): Dr. Karen Carter
Day Offered: Monday or Friday
Enrollment: Monday: 2
Friday: 2
Time: 1-4 pm
Location: Ambulatory Care Center 3340

Course Description: In this elective, students will see children in the special child clinic. They will be a part of the evaluations with the team decision making process. We see children with autism, cerebral palsy, behavior problems, development delay and school problems. For further information, call Dr. Karen Carter at 1-2456.

Course Goals: Improve skills in obtaining history; Improve understanding of children and adults with developmental disabilities; Increase clinical skills in taking history; Begin to assess children for developmental needs; Identify developmental milestones; Demonstrate courtesy when treating patients and their parents; Identify the diagnosis and management of common neurodevelopmental disorders.

Course Objectives: Appreciate that development occurs in a predictable pattern; List the streams of development; Assess milestones through direct observation of children; The doctor will address the patient directly; The doctor will demonstrate respect with all people regardless of disability; Obtain history from patients and parents; Assess milestones through history taking;

Assessment: Direct observation of skills.

PEDS 5090 - Learning in Family Environments

Department: Pediatrics
Course Director(s): Dr. Karen Carter
Day Offered: Monday
Enrollment: Maximum: 20
Time: 1-3
Location: BT-1964
Faculty Member(s): Karen Carter, MD, Chris White, MD, Kymberly E. Allen, CCLS (Adjunct Professor)

Description: Student will step out of their student role and into a true-to-life "hands-on" approach to family-centered care in a patient's home/community environment; students will interact with families/children with chronic medical challenges and/or children with disabilities/special needs. Students will be encouraged to see beyond the child's diagnosis as they see how families accommodate for their child's illness/disability in daily life. The concept of family-centered care will be the basis of this course. For further information, call Dr. Karen Carter at 1-2456.

Course Goals: Identify how parents cope with the multiple issues surrounding a child with special health care needs.

Course Objectives: Attend lectures about children with special health care needs.
Meet with one family in their home to explore the child's health care needs.
Identify how the children's health care needs influence the family's quality of life.

Assessment: Observation, log of activities

PEDS 5091 – Introduction to Integrative Medicine

Department: Pediatrics
Course Director(s): Robert Pendergrast, MD, MPH
Day Offered: Monday
Enrollment: Minimum: 6 Maximum: 30
Time: 1-3 pm
Location: BT-1809
Faculty Member(s): Robert Pendergrast, MD and invited lecturers

Course Goals: Students will become familiar with the general scope of alternative medicine practices commonly sought by patients and should know how to evaluate the possible benefits and risks to patients, as well as exploring how to maintain a personal wellness practice as a student and doctor.

Course Objectives: Create and maintain at least one new personal wellness practice as a student that could be applicable to a wide variety of patients seeking better health and wellness.

Course Activities: This course will provide students with an overview of Integrative Medicine, defined as healing-oriented medicine that takes into account the whole person (Mind-Body-Spirit), including all aspects of lifestyle, emphasizing a therapeutic relationship and making available all therapies, conventional and alternative. Topic areas will include some of the more commonly practiced "alternative" healing traditions pursued by patients outside of the conventional medical model, such as Traditional Chinese Medicine, therapeutic yoga, herbal medicine, nutritional supplements, manipulative medicine such as chiropractic and osteopathy, energy medicine, and mind-body medicine.

Critical examination of the scientific literature supporting these approaches will be included. Classes will include opportunity to experience some of these modalities and reports from “consumers” (patients) about their experiences. For additional information, contact Dr. Pendergrast at ext 2457.

Assessment: Written self-evaluation and course evaluation at end of course.

PEDS 5093 – The Physician –Healer in the Judeo-Christian Tradition

Department: Pediatrics
Course Director(s): William K. Dolen, MD
Day Offered: Friday
Enrollment: Min: 1 Max:10
Time: 1 - 2:30 pm
Location: BG-1015

Course Goals:

1. To become familiar with the ancient and modern concepts of the physician's role in healing of body, mind, and soul.
2. On completion of the elective, the student should be able to articulate a personal understanding of the role of the physician in faith-based healing.

Course Objectives:

1. Discuss the concept of the physician in the ancient Egyptian religion, and its relation to the Asklepiian tradition in Greece.
2. Understand the Jewish concept of God as physician, and the healing tradition as described in the Hebrew Scripture and tradition.
3. Discuss the literal and allegorical meaning of the healing miracles of Jesus and the apostles, as described in Christian Scripture and tradition.
4. Discuss the Jewish ideas of illness as punishment for sin or a test from God.
5. Understand the development of the Christian healing tradition from the post-Apostolic era to modern times.
6. Understand the importance of the interactions between physicians and member of the clergy (including pastoral care teams) in total care of the ill patient.

Course Activities:

Weekly lecture-discussion seminars. An independent study option will be considered.

Assessment:

Grade of satisfactory/unsatisfactory based on attendance and participation.

PSRY 5086 – Eating Disorders

Department: Psychiatry & Health Behavior
Course Director(s): Christian R. Lemmon, Ph.D..
Day Offered: Monday
Enrollment: Minimum: 1 Maximum: 4
Time: 3:30 pm – 6:00 pm
Location: FG 2225

Course Goals: Students will act as both participants and observers within the MCG Eating Disorders Program. Experiences may include various aspects of the evaluation and treatment of patients with Anorexia Nervosa, Bulimia Nervosa, Binge Eating Disorder and other feeding disturbances, as well as patients being considered for bariatric surgery. The course will also include participation in treatment team meetings and discussions of the eating disorders and related forms of psychopathology. Patients may include inpatients (9-North), outpatients and consultations from MCG Hospital and the Childrens' Medical Center. Students will also be expected to read and discuss relevant literature and help with the generation of assessment reports. For additional information, call Dr. Lemmon at ext 6716

Course Goals: Students will be trained to recognize, understand and appreciate the many facets of eating disordered behaviors with respect to the contribution that cultural, racial, individual, familial, relational and system influences have on the development and maintenance of these disorders. Students will learn how to assess patients suspected of eating disorders through clinical interview, psychological testing and behavioral observation. Students will develop knowledge of basic medical assessment and treatment and pharmacological intervention for patients suspected of eating disorders.

Course Objectives: Students will demonstrate increased understanding of the multiple influences that contribute to the development and maintenance of the eating disorders. They will also demonstrate increased understanding of relevant psychiatric treatment recommendations.

Assessment: Students will be assessed according to their participation in treatment team meetings and general discussions about the patients.

PSRY 5087 - Topical Issues in Psychiatry

Department: Psychiatry and Health Behavior
Course Director(s): Stewart Shevitz, M.D., M.S.H.A.
Day Offered: Friday
Enrollment: Minimum: 3 Maximum: Open
Time: 1:30 pm - 3:00 pm
Location: FG - 2201 - Psychiatry Outpatient Clinic Building

Course Description: This is an introductory course designed to give students a "Prozactive" perspective on the modern practice and science of psychiatry. The elective will be taught by a variety of psychiatry faculty sharing their expertise and insights in an informal seminar format. Topics will include "What is a Shrink?", "Neuroimaging and Psychiatry" (what does schizophrenia really look like?), "The Electric World of Electroconvulsive Therapy" (shock treatments), "Research Today" highlighting current research efforts in the Department, and related topics over the course of the elective. Opportunities to tour clinical facilities and participate in clinical rounds on psychiatric patients will be included.

Course Goals: To give students a contemporary perspective and overview of key issues and characteristics of modern psychiatry.

Course Objectives:

- 1) To provide an overview of select areas of psychiatric practice.
- 2) To dispel common myths and misconceptions about psychiatry and psychiatric practice
- 3) To introduce students to the neuroscientific basis of 21st century psychiatry
- 4) To provide an introduction to specific research opportunities at MCG in the Department of Psychiatry and Health Behavior

Assessment: Attendance and participation will be key factors in assessing student performance.

(For additional information, call Dr. Shevitz at ext 3141)

PSRY 5088 - Freshman Child and Adolescent Psychiatry Outpatient Experience

Department: Psychiatry and Health Behavior
Course Director: Eric Lewkowiez, M.D.
Day Offered: Friday
Enrollment: Minimum: 1 Max: 2
Time: 1 - 4 pm
Location: FG-1185

Course Goals: The goals will be to become comfortable in eliciting pertinent information from children, adolescents and their families to facilitate diagnosis and treatment.

- Course Objectives:**
1. The student will be able to interview a patient and their caregivers to determine a chief complaint and pertinent problems.
 2. The student will become familiar with the biopsychosocial model

- as it applies to the particular cases.
3. The student will gain an appreciation for common issues in Child and Adolescent Psychiatry.

Course Activities: Observation of and participation in the evaluation and treatment of common behavioral and emotional problems in child and adolescent psychiatry

Assessment: Direct observation and feedback from the course director. Emphasis will be placed on the ability to establish rapport, collect meaningful information, and present it in a meaningful organized manner.

PSRY 5089 - Psychiatry: From Clinical Practice to Research

Department: Psychiatry and Health Behavior
Course Director(s): Drs. Donna Londino and Adriana Foster
Day Offered: Friday
Enrollment: Minimum: 1 Max: 2
Time: 1 – 5 pm
Location: TBA

Course Description: Students will shadow both course directors in an outpatient setting during the elective time to gain a more in-depth understanding of adult and childhood mental illnesses. The student will be exposed to both the clinical care of individuals with mental illness and will have opportunity to further their knowledge about the importance of research including observation of research visits and reviewing research opportunities for those with psychiatric disorders.

Course Goals: To introduce interested freshman students to a more thorough experience with mental health issues including aspects of clinical care and research involvement. Participating students will have opportunity to continue their involvement in departmental research projects and publications if interested.

Course Objectives:

Adriana Foster, MD:

1. Expose the student to pharmacologic management of psychiatric disorders
2. Educate the student on patient selection and education prior to starting a psychotropic agent.
3. Teach the student about the safe monitoring of psychotropic medication efficacy and side effect.
4. Introduce the student to patient selection for clinical research in psychiatry; appropriate consent and structured assessment of the benefits and side effects of psychotropic agents.

Donna Londino, MD

1. Expose the participating student to mental health disorders that affect children and adolescents
2. Introduce the student to the biopsychosocial considerations of treating childhood disorders
3. Review differences between research in adults and research in children and adolescents.
4. Introduce the student to patient selection for clinical research in the pediatric population; appropriate consent and assent, and structured assessment of benefits and side effect of psychotropic agents in children and adolescents.

Course Activities:

Shadow attending in clinical care and research activities in MCG psychiatry clinic
Reading assignments and literature searches as agreed upon

Assessment: Students will be assessed according to their attendance and participation in the elective activities.

RADM 5085 - Introduction to Radiology

Department: Radiology
Course Director(s): Clarence Joe, MD
Day Offered: Monday
Enrollment: Minimum: 2 Maximum: 8
Time: 1:30 pm - 4:30 pm

Location: Various Radiology Clinical Sites (Body Imaging/Ultrasound, Musculoskeletal, Neuroradiology, Nuclear Medicine, Radiation Oncology, VAMC Radiology, Pediatric Radiology, Lecture Classroom at VA.

Course Description: This course is a nine-week elective for Phase I medical students. The time is divided into a series of rotations through most of the major areas of the radiology department at MCGHI, Georgia Radiation Therapy Center, and VA Medical Center Radiology. It is expected that students be on site and prepared to participate in the rotation by 1:30 PM each Monday during the nine weeks and remain until 4:30 p.m. unless otherwise indicated or dismissed by the attending radiologist or the radiology resident on the service. For additional information, call Jim Corley or Fran Wolff at ext 2076 or e-mail jcorley@mail.mcg.edu or franw@mail.mcg.edu

Course Goals: The primary goal of the elective is for the participating medical student to develop a better understanding of the functions of radiology as a contributor to primary care of the patient.

Course Objectives: Specific objectives have been written in the Course Outline for the clinical rotations as a guide to student learning in that clinical area.

Assessment: A RAD 5085 elective journal will be required to document and describe the activities and type of studies that are observed in each clinical rotation site.

SURG 5081 – Urologic Surgery Elective

Department: Surgery/Urology
Course Director: Martha K. Terris, MD
Day Offered: Friday
Enrollment: Minimum: 1 Max: 6
Time: 3-4:30 pm
Location: Augusta VA Hospital Urology Conference Room, Second Floor, Wing 2A, Rm 2A-119

Course Goals. By the time a third year medical student finds his or her dream profession while rotating on one of the highly sought-after, extremely competitive “early match” surgical subspecialties, it is often too late to make the dream come true. This elective is designed to familiarize first year students with one of these surprisingly attractive career tracks soon enough in their education that they do not inadvertently close the door on such opportunities before giving the option adequate consideration. While the course is focused primarily on urologic surgery, gaining an understanding of the factors involved when residency programs assess a student’s the relative competitiveness and exploring avenues that can improve a student’s status will benefit any residency application. Students will also acquire clinical knowledge and technical experience that will be useful regardless of their ultimate choice of residency and will provide a pleasant diversion from classroom education that can seem a vast distance from their long-term goals.

Course Objectives: 1. Understand the “early match” concept and which specialties participate; 2. Realize the competitive nature of most surgical fields and the hazards of waiting until the end of third year to choose a specialty; 3. Learn strategies that students should employ now to enhance their not-to-distant-future residency applications; 4. Obtain exposure to the specialty of urology and connect with clinical faculty who are potential research mentors, match advisors, and authors of letters of recommendation.

Course Activities:

1/5/07 Urologic Surgery: What You Should Do Now to Successfully Match in an Exclusive Surgical Subspecialty 3 Years from Now. Part 1: Lecture and Question/Answer session providing an overview of the specialty of urology including scope of diseases, surgical and medical practice opportunities, qualifications of students successfully matching, the “early match” phenomenon, typical residency training, and lifestyle after residency. Part 2: Discussion of how research productivity can catapult your residency application and a review of potential summer research projects with urologic surgery faculty members (perfect timing for individuals interested in applying for the Dean’s Summer Student Research Fellowship).

1/12/07 Research Project Development (optional). Students interested in applying for the Dean’s Summer Student Research Fellowship may meet with faculty to discuss the chosen research project finalize the application.

1/26/07 Penile Prosthesis. Part 1. An introduction to the pathophysiology of erectile dysfunction and overview of non-invasive treatments will be followed by a discussion of the indications and surgical technique for penile prosthesis implantation. The potential complications and pitfalls that all physicians should know when caring for patients who have received a penile implant will be reviewed. Part 2. Various types of inflatable and semi-rigid penile implants will be available for students to inspect and learn to operate. Implant designs that have become obsolete will be compared to contemporary models.

2/2/07 Urinalysis. Part 1. A didactic lecture on the indications, instrumentation, and technique of performing urinalysis in the clinic setting will be presented. Students will be treated to a gallery of normal and pathologic microscopic urine sediment findings and their associated clinical implications. Part 2 Hands-on training in performance and interpretation of semiquantitative colorimetric chemical reagent testing, centrifugation, slide preparation, and microscopy in the urology clinic laboratory. Students will have the opportunity to process/examine patient specimen(s) and/or their own if they so desire.

2/9/07 Kidney Stone Treatment. Part 1. The initial lecture will provide an introduction to nephrolithiasis the various minimally invasive surgical techniques for kidney stone management. Part 2 A tour of the Extracorporeal Shock Wave Lithotripsy suite and hands-on demonstration of several types of endoscopic equipment employed to fragment and extract stones from the urinary tract.

2/16/07 Georgia Urology Resident Research Expo (optional). This annual weekend-long event held at the Ritz Carlton at Reynolds Plantation (approximately 70 miles from Augusta) is a friendly competition between the urology residents at MCG and Emory (the only 2 urology residency programs in the state). Lectures are either resident research presentations or presentations of unusual or bizarre case reports given in an attempt to stump the faculty members in the audience. Students interested in observing the resident presentations on Friday afternoon are welcome but not expected to attend. Specific details of the meeting program and directions to the hotel available upon request.

Assessment: Attendance and enthusiastic participation