

Obstetrics and Gynecology Clerkship BCC 6130

2003 – 2004 Course Syllabus

COURSE DESCRIPTION

Obstetrics and Gynecology is a six-week clinical clerkship. The objective of the clerkship is to acquaint the student with the varied aspects of medical care for women, with emphasis on acquiring the basic skills of gynecologic and obstetrical history taking and physical examination, participating and assuming responsibility in the evaluation and care of outpatients and inpatients, and acquiring practical experience in the operating and delivery room areas with close supervision by staff. Formal and informal daily teaching sessions and rounds with the clerkship faculty and residents are a part of the six-week experience. Clerkship directors at the regional campuses will meet with students once per week for teaching, evaluation and feedback. Each student will present a case to the clerkship director each week.

Those sessions are constructed so as to cover the Association of Professors of Obstetrics and Gynecology Care objectives under the guidance of clerkship faculty.

Every student will work with an OB/GYN specialist one half-day to one day per week in the following areas: maternal-fetal medicine and reproductive endocrinology. The criteria used in determining the final grade are the performance evaluations and the National Board Subject shelf examination.

FACULTY

Janet Shepherd, M.D.	janet.shepherd@med.fsu.edu	(850) 645-1227
Suzanne Bush, M.D.	suzanne.bush@med.fsu.edu	(850) 494-5939
Arthur Clements, M.D.	arthur.clements@med.fsu.edu	(850) 877-7241
Armando Fuentes, M.D., MBA	armando.fuentes@med.fsu.edu	(407) 835-4103

REQUIRED TEXTBOOK

Obstetrics and Gynecology, 4th Edition (Beckmann, Ling, Barzansky)
Lippincott Williams and Wilkins, Baltimore, Maryland and Philadelphia, Pennsylvania, 2002

Suggested reading for more in-depth coverage of specific topics encountered clinically, and for those students wishing to pursue a career in Ob/Gyn:

Williams Obstetrics, 21st Edition (F. Gary Cunningham et al)
McGraw Hill, New York, 2001
(1668 pages, the definitive textbook of obstetrics)

Novak's Textbook of Gynecology, 13th Edition (Jonathan S. Berek et al)
Lippincott Williams and Wilkins, Philadelphia, 2002

Clinical Gynecologic Endocrinology and Infertility, 6th Edition (Leon Speroff et al)
Lippincott Williams and Wilkins, Philadelphia, 1999

(straightforward explanations of the complexities of reproductive endocrinology)

Copies of these books are available online, at the FSU Center, and at all three regional campuses.

COURSE OBJECTIVES

By the completion of the clerkship in Obstetrics and Gynecology, the student will be able to:

(1) Demonstrate professionalism in relationships with obstetrical and gynecological patients.

- Respectful, altruistic attitudes
- Ethically sound practice

(2) Effectively communicate with women patients, demonstrating awareness of gender, age, cultural, and disability issues.

- Demonstrate interviewing and communication skills that are sensitive to individual abilities and perspectives.
 - Effective communication
 - Impact of gender and differences in power relationships on physician-patient interaction
 - Women as active partners in their health care
- Perform a comprehensive women's health history.
- Perform a problem-focused women's health history for
 - Abnormal uterine bleeding
 - Amenorrhea
 - Breast disorders
 - Contraception
 - Infertility
 - Menopause
 - Acute pelvic pain
 - Chronic pelvic pain
 - Sexual dysfunction
 - Vulvar, vaginal and urogenital symptoms
 - Pregnancy

(3) Describe current recommendations for preventive screening and routine health maintenance throughout the life cycle of women.

- Cardiovascular disease
 - Lipid profiles
 - Hypertension
 - Diabetes
 - Smoking
- Common malignancies
 - Cervical cancer
 - Breast cancer

- Colon cancer
- Lung cancer
- Skin cancer
- Weight management
 - Nutrition
 - Exercise
- High-risk sexual behavior
- Family planning
- Genetic counseling and testing
- Pre-conceptual and prenatal counseling
- Osteoporosis

(4) Discuss the pathophysiology, etiology, differential diagnosis, and treatment options for conditions and functions that are specific to women or have interventions that are specific to women:

- Normal pregnancy and birth
- Complications of pregnancy and birth
 - Spontaneous abortion
 - Ectopic pregnancy
 - Preterm labor
 - Preeclampsia-eclampsia syndrome
 - Medical complications during pregnancy
 - Third trimester bleeding
 - Obstetric emergencies
 - Maternal and newborn mortality
 - Perinatal psychiatric disorders
- Normal and abnormal menstruation
- Female sexual response, function, and dysfunction
- Contraception
- Sexually transmitted disease
- Benign vaginal and vulvar conditions
- Urogenital disorders
- Endometriosis
- Reproductive endocrinology
- Infertility
- Menopause and possible sequelae
- Breast disease
- Gynecologic cancers

(5) Perform a gender and age appropriate comprehensive and problem-targeted physical examination, demonstrating proficiency in:

- Pelvic examination, including bimanual, speculum, and rectal exams
- Pap smear and genital cultures
- Breast examination
- Instruction in breast self examination

(6) Perform the following procedures in normal obstetrics:

- Diagnose pregnancy

- Routine prenatal examination
- Diagnose labor
- Diagnose ruptured membranes
- Follow the course of labor using a labor curve
- Determine cervical dilatation
- Interpret basic patterns on a fetal monitoring strip
- Spontaneous vaginal delivery
- Repair of episiotomy or perineal laceration

(7) Demonstrate proficiency in scrubbing, sterile technique, and operative assistance.

(8) Discuss the major classes of drugs used in obstetrics and gynecology and appropriately apply pharmacologic principles to the management of common reproductive problems in women.

(9) Demonstrate the ability to apply the biopsychosocial model and patient-centered clinical method to the understanding of patient presentations in the context of obstetrics and gynecology

- Psychological implications of pregnancy
- Psychological implications of reproductive system abnormalities.

(10) Identify and assist victims of physical, emotional, and sexual violence and abuse.

(11) Access and critically evaluate new information and adopt best practices that incorporate knowledge of sex and gender differences in health and disease.

- Use of evidence-based medicine and practice guidelines
- Use of internet resources and databases

(12) Discuss the impact of gender-based societal and cultural roles and contexts on health care and on women.

(13) Demonstrate awareness of the physician's own sexuality on his/her interactions with patients, including appropriate boundary-setting behavior.

(14) Demonstrate knowledge of legal issues in obstetrics and gynecology.

- Informed consent
- Legal obligations to protect patient interests

(15) Discuss the impact of health care delivery systems on populations and individuals receiving health care.

- Gender and sex inequality in financing and delivery of care
- State and national health policy decisions

- Public health programs, including family planning, WIC, etc.

TEACHING AND LEARNING METHODS

The clerkship is primarily an apprenticeship-style experience with a single OB/GYN clerkship faculty member. This contact is designed to provide the student with an appreciation of what a practicing community obstetrician/gynecologist does, both in out-patient settings and in the hospital. The student will make hospital rounds with the faculty member and scrub in on scheduled surgeries and any emergency surgeries or deliveries that occur during the student's assigned hours. On the days the student spends in the office, he or she will be expected to perform one comprehensive work-up and 5 or 6 follow-up histories and physical examinations. All patient encounters will be recorded electronically for review with the clerkship director, and to ensure that the student experiences a variety of cases.

In addition, every student will work with an OB/GYN specialist in maternal-fetal medicine, reproductive endocrinology, and gynecologic oncology for the equivalent of one day during the rotation. As in all third year rotations, one half-day per week will be devoted to the student's community-based Doctoring 3 longitudinal clinical experience and another to Doctoring 3 didactic sessions.

Clerkship directors will meet with students at least once per week. Each student will present a case to the clerkship director during this meeting. Log entries will be reviewed and suggestions for learning any uncovered topics/diagnoses will be made, augmenting clinical experience and/or reading. In addition, current readings and Med Cases will be discussed.

There will also be hospital and/or residency didactic sessions that will be determined by the specific site and the clerkship faculty's schedule.

Call and weekends

Students will be on-call every 4th night with their preceptor or a resident (wherever the best experience is available.) The student is expected to stay in house until 11pm and may go home if no one is in active labor. The student is expected to return to the hospital if the preceptor or resident calls them in for a valuable learning experience during their night on call. Each student will work at least 2 weekend days per 6 week clerkship.

The clerkship directors will observe and certify that each student has met competency standards in the performance of these areas:

- Full history specific to OB/GYN presenting symptoms
- Clinical breast exam
- Pelvic exam, Pap smear, and genital cultures

SELF STUDY PROGRAM

Obstetrics and Gynecology includes healthcare of women throughout the lifespan, special attention to women's reproductive issues and reproductive system

pathologies, and intensive care of women during pregnancy, delivery, and the postpartum period. Subspecialists devote entire careers to Maternal-Fetal Medicine, Reproductive Endocrinology, and Gynecologic Oncology. This self-study program has been designed to assist students in managing the vast amount of information in ob/gyn, particularly that for which they will be held responsible on National Board Examinations. Students may certainly design their own reading programs, but adherence to this one will provide an organized exposure to the core concepts of the third-year clerkship.

The material is divided into general topics, with chapters from the Beckmann textbook assigned at a rate of about one a day. Each chapter provides a concise summary of an important aspect of the specialty, and concludes with an illustrative case study and review questions. Students may want to read chapters out of this order as they encounter specific clinical entities. In addition, because the chapters are so brief, students are expected to supplement this reading with material from the suggested reading list appropriate to cases they encounter clinically.

Med Cases, computerized problem-based learning experiences, are an integral part of the clerkship learning experience, and can be accessed via the Medical Library Website. Students are expected to perform 10 Med Cases during the ob/gyn rotation. These fun and informative exercises have been chosen to assist in applying each week's reading assignments to real-life situations. Students should be prepared to discuss the assigned Med Cases at their weekly meetings with the clerkship director.

Week One – Orientation to Obstetrics & Gynecology

Chapter 1 – Health Care for Women
Chapter 2 – Ethics in Obstetrics and Gynecology
Chapter 3 – Embryology, Anatomy, and Reproductive Genetics (a review of basic science material from year 1 and 2 as applied to ob/gyn)
Chapter 4 – Maternal-Fetal Physiology
Chapter 33 - Gynecologic Procedures
Chapter 34 – Reproductive Cycle
Chapter 48 – Human Sexuality
Chapter 49- Sexual Assault and Domestic Violence

Week Two – Essentials of Obstetrics

Chapter 5 – Antepartum Care
Chapter 14 – Abortion
Chapter 6 – Intrapartum Care
Chapter 7 – Abnormal Labor
Chapter 8 – Intrapartum Fetal Surveillance
Chapter 9 – Immediate Care of the Newborn
Chapter 10 – Postpartum Care
Chapter 12 – Postpartum Hemorrhage
Chapter 13 – Postpartum Infections
Chapter 24 - Obstetric Procedures
Med Cases #203 – Arrest of second stage of labor
#521 – Lack of prenatal care with a size/date discrepancy

Week Three – Complicated Obstetrics

Chapter 11 – Isoimmunization
Chapter 16 – Medical and Surgical Conditions of Pregnancy (Concentrate on those conditions that you encounter clinically, and consider researching them further in Cherry and Merkatz's Complications of Pregnancy, available on Ovid. In addition, all students should carefully study #6 Glucose Intolerance and Diabetes Mellitus.)
Chapter 17 - Hypertension in Pregnancy
Chapter 18 – Multifetal Gestation
Chapter 19 – Fetal Growth Abnormalities
Chapter 20 - Third Trimester Bleeding
Chapter 21 - Postterm pregnancy
Chapter 22 – Preterm Labor
Chapter 23 – Premature Rupture of Membranes
Med Cases #433 – First prenatal visit, 16 weeks, diabetic
#435 – No prenatal care, twins, dyspnea, nausea and vomiting

Week Four – Essentials of Gynecology

Chapter 15 - Ectopic pregnancy
Chapter 25 - Contraception
Chapter 26 – Sterilization
Chapter 27 – Vulvitis and Vaginitis
Chapter 28 – Sexually Transmitted Disease
Chapter 29 - Pelvic Relaxation, Urinary Incontinence, and Urinary Tract Infections
(also see Urinary Incontinence in the Geriatric Integrated Curriculum)
Chapter 30 - Endometriosis
Chapter 31 – Dysmenorrhea and Pelvic Pain
Chapter 32 – Disorders of the Breast
Med Cases #403 Spotting and sharp RLQ pain of three days duration
#429 Heavy menstrual bleeding and worsening cramping

Week Five – Reproductive Endocrinology and Infertility

Chapter 35 – Puberty
Chapter 36 – Amenorrhea and Dysfunctional Uterine Bleeding
Chapter 37 – Hirsutism and Virilization
Chapter 38 – Menopause
Chapter 39 – Infertility
Chapter 40 – Premenstrual syndrome
Med Cases #232 - Increased facial and body hair
#544 – Primary infertility

Week Six – Gynecologic Oncology

Chapter 41 – Cell Biology and Principles of Cancer Therapy
Chapter 42 - Gestational Trophoblastic Disease
Chapter 43 – Vulvar and Vaginal Disease and Neoplasia
Chapter 44 – Cervical Neoplasia and Carcinoma
Chapter 45 – Uterine Leiomyoma and Neoplasia
Chapter 46 – Endometrial Hyperplasia and Cancer
Chapter 47 - Ovarian and Adnexal Disease
Med Cases #425 – Desire for second opinion on an abnormal Pap smear
#432 – Left adnexal mass detected on routine pelvic examination

EXAMINATIONS AND GRADING

The following methods will be used to assess student progress:

- NBME subject exam to assess knowledge acquisition.
- Performance evaluations will be performed by the clerkship faculty, residents and clerkship director using a standardized FSU COM clerkship evaluation form. The final summative evaluation will be completed by the Education Director for each student regardless of clinical site.
- Objective Structured Clinical Examinations (OSCE) to assess communication skills, physical examination skills, and clinical reasoning will be run by the FSU COM two times during the year but not be part of the clerkship grade.

As a performance based course, all students will be expected to achieve competency. Students who do not meet this standard will be required to remediate deficiencies before being advanced to the fourth year curriculum. Students will be provided frequent opportunities to assess their performance in non-graded exercises to identify areas of strength and weakness prior to graded examinations.

Grades will be based on these components:

1. Written NBME shelf examination in OB/GYN
2. Performance evaluations by clerkship faculty and Clerkship Directors, with a final summative evaluation by the Education Director of OB/GYN

Students must pass all components to pass the clerkship.

The final grade for each student will be based on the scale agreed upon by all clerkships.

(Honors, Pass, Fail)

FSU COM has adopted an Honors/Pass/ Fail grading system and a uniform policy governing the assignment of grades based on student performance on the NBME shelf examination, clerkship faculty assessments, and clerkship specific papers or projects. The following criteria will be used in assigning grades in the OB/GYN clerkship:

Honors

- 1) A student must meet expectations on all subcategories of the clerkship evaluation assessment form pertaining to "Professional Behavior and Ethical Standards"; AND
- 2) A student must be judged to "exceed expectations" in at least 10 of the 16 remaining subcategories on the assessment form; AND
- 3) A student must achieve a score on the NBME specialty shelf examination that is 1.0 SD above the national average for clerkships of comparable length in the comparable quarter of the year.

- 1) A student must meet expectations on all subcategories of the clerkship evaluation assessment form pertaining to "Professional Behavior and Ethical Standards"; AND
- 2) A student must be judged to "exceed expectations" in at least 15 of the 16 remaining subcategories on the assessment form: AND
- 3) A student must achieve a score on the NBME specialty shelf examination that is in the 70th percentile or better for clerkships of comparable length in the comparable quarter of the year.

Pass

- 1) A student must meet expectations on all subcategories of the clerkship evaluation assessment form pertaining to "Professional Behavior and Ethical Standards";
AND
- 2) A student must be judged to "meet expectations" in at least 13 of the 16 remaining subcategories on the assessment form and have no more than 2 "marginally meets expectations" in the remaining subcategories;
AND
- 3) A student must achieve a score on the NBME specialty shelf examination that is no more than 1.99 SD below the national average for clerkships of comparable length.

Fail

A student is at risk for failure if:

- 1) He/she does not meet expectations in any subcategories of the clerkship evaluation assessment form pertaining to "Professional Behavior and Ethical Standards"; OR
- 2) He/she does not meet expectations in 2 or more of the remaining 16 subcategories on the rating form; OR
- 3) He/she marginally meets expectations in 3 or more of the remaining subcategories; OR
- 4) He/she achieves a score 2.0 SD below the national average on the NBME specialty subject examination. (Students who do not pass the NBME will be given an opportunity to re-take the examination to achieve a passing score and a passing grade in the clerkship. Those who do not pass on the re-take will be required to repeat the clerkship in their senior year.)

Students will be provided with frequent feedback about their performance. Mid-clerkship formative feedback will be given to students by their clerkship faculty. Remediation opportunities will be provided. Students who have serious problems meeting clerkship requirements will be referred to the Evaluation and Promotion Committee, in collaboration with the Education Director for Obstetrics and Gynecology.