Obstetrics and Gynecology

Med MS-312
2018-2019

Clerkship Director: Jodi Abbott
Associate Clerkship Director: Padma Kandadai
Clerkship Coordinator: Makeba Kent
# Ob/Gyn Syllabus

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## Medical Education Program Objectives

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<th>MEDICAL EDUCATION PROGRAM OBJECTIVE</th>
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| **B** - Behaves in a caring, compassionate and sensitive manner toward patients and colleagues of all cultures and backgrounds. (Interpersonal and Professionalism) | B.1 - Apply principles of social-behavioral sciences to provision of patient care; including assessment of the impact of psychosocial and cultural influences on health, disease, care-seeking, care compliance, and barriers to and attitudes toward care. (2.5)  
B.2 - Demonstrate insight and understanding about emotions that allow one to develop and manage interpersonal interactions. (4.7)  
B.3 - Demonstrate compassion, integrity, and respect for others. (5.1)  
B.4 - Demonstrate sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation. (5.5) |
| **U** - Uses the science of normal and abnormal states of health to prevent disease, to recognize and diagnose illness and to provide and appropriate level of care. (Medical Knowledge and Patient Care) | U.1 - Perform all medical, diagnostic, and surgical procedures considered essential for the area of practice. (1.1)  
U.2 - Gather essential and accurate information about patients and their conditions through history-taking, physical examination, and the use of laboratory data, imaging and other tests. (1.2p)  
U.3 - Interpret laboratory data, imaging studies, and other tests required for the area of practice. (1.4)  
U.4 - Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence and clinical judgement. (1.5)  
U.5 - Develop and carry out patient management plans. (1.6)  
U.6 - Provide health care services to patients, families, and communities aimed at preventing health problems or maintaining health. (1.9)  
U.7 - Demonstrate an investigatory and analytic approach to clinical situations. (2.1)  
U.8 - Apply established and emerging bio-physical scientific principles fundamental to health care for patients and populations. (2.2)  
U.9 - Apply established and emerging principles of clinical sciences to health care for patients and populations. (2.3)  
U.10 Recognizes that ambiguity is a part of clinical health care and respond by utilizing appropriate resources in dealing with uncertainty. (8.8) |
| **C** - Communicates with colleagues and patients to ensure effective interdisciplinary medical care (Interpersonal and Communication Skills; Patient Care) | C.1 - Gather essential and accurate information about patients and their conditions through history-taking, physical examination, and the use of laboratory data, imaging and other tests. (1.2h)  
C.2 - Counsel and educate patients and their families to empower them to participate in their care and enable shared decision making. (1.7)  
C.3 - Participate in the education of patients, families, students, trainees, peers and other health professionals. (3.8)  
C.4 - Communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds. (4.1)  
C.5 - Communicate effectively with colleagues within one's profession or specialty, other health professionals, and health related agencies (4.2, see also 7.3)  
C.6 - Maintain comprehensive, timely, and legible medical records. (4.5)  
C.7 - Demonstrate sensitivity, honesty, and compassion in difficult conversations, including those about death, end of life, adverse events, bad news, disclosure of errors, and other sensitive topics. (4.6)  
C.8 - Communicate with other health professionals in a responsive and responsible manner that supports the maintenance of health and the treatment of disease in individual patients and populations. (7.3) |

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<tr>
<th>INSTITUTIONAL LEARNING OBJECTIVE</th>
<th>MEDICAL EDUCATION PROGRAM OBJECTIVE</th>
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| **A** - Acts in accordance with highest ethical standards of | A.1 - Demonstrate responsiveness to patient needs that supersedes self-interest. (5.2)  
A.2 - Demonstrate respect for patient privacy and autonomy. (5.3)  
A.3 - Demonstrate accountability to patients, society, and the profession. (5.4) |
| medical practice (Professionalism) | A.4 - Demonstrate a commitment to ethical principles pertaining to provision or withholding of care, confidentiality, informed consent, and business practices, including compliance with relevant laws, policies, and regulations. (5.6) |
| R - Reviews and critically appraises biomedical literature and evidence for the purpose of ongoing improvement of the practice of medicine. (Practice-Based Learning and Improvement and Medical Knowledge) | R.1 - Apply principles of epidemiological sciences to the identification of health problems, risk factors, treatment strategies, resources, and disease prevention/health promotion efforts for patients and populations. (2.4) |
| | R.2 - Locate, appraise, and assimilate evidence from scientific studies related to patients' health problems. (3.6) |
| | R.3 - Continually identify, analyze, and implement new knowledge, guidelines, standards, technologies, products, or services that have been demonstrated to improve outcomes. (3.10) |
| E - Exhibits commitment and aptitude for life-long learning and continuing improvement (Practice-based Learning) | E.1 - Identify strengths, deficiencies, and limits in one's knowledge and expertise. (3.1) |
| | E.2 - Set learning and improvement goals. (3.2) |
| | E.3 - Identify and perform learning activities that address one's gaps in knowledge, skills, and/or attitudes. (3.3) |
| | E.4 - Incorporate feedback into daily practice. (3.5) |
| | E.5 - Obtain and utilize information about individual patients, populations of patients, or communities from which patients are drawn to improve care. (3.9) |
| | E.6 - Develop the ability to use self-awareness of knowledge, skills, and emotional limitations to engage in appropriate help-seeking behaviors. (8.1) |
| | E.7 - Manage conflict between personal and professional responsibilities. (8.3) |
| S - Supports optimal patient care through identifying and using resources of the health care system. (Systems-Based Practice and Patient Care) | S.1 - Provide appropriate referral of patients including ensuring continuity of care throughout transitions between providers or settings, and following up on patient progress and outcomes. (1.8) |
| | S.2 - Systematically analyze practice using quality-improvement methods and implement changes with the goal of practice improvement. (3.4) |
| | S.3 - Use information technology to optimize learning. (3.7) |
| | S.4 - Work effectively with others as a member or leader of a health care team or other professional group. (4.3, see also 7.4) |
| | S.5 - Work effectively in various health care delivery settings and systems relevant to one's clinical specialty. (6.1) |
| | S.6 - Coordinate patient care within the health care system relevant to one's clinical specialty. (6.2) |
| | S.7 - Incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care. (6.3) |
| | S.8 - Advocate for quality patient care and optimal patient care systems. (6.4) |
| | S.9 - Use the knowledge of one’s own role and the roles of other health professionals to appropriately assess and address the health care needs of the patients and populations served. (7.2) |
| | S.10 - Participate in different team roles to establish, develop, and continuously enhance interprofessional teams to provide patient- and population-centered care that is safe, timely, efficient, effective, and equitable. (7.4) |
Third Year Learning Objectives

During the third-year clerkships, students will

- Demonstrate use of patient-centered interviewing and communication techniques (U.2)
- Take a clinical history that demonstrates both organization and clinical reasoning (U.7)
- Perform accurate and relevant physical exam techniques (U.2)
- Demonstrate an ability to synthesize clinical information and generate a differential diagnosis, assessment and plan (U.3, R2, U.5)
- Demonstrate a compassionate and patient-sensitive approach to history taking and physical examinations (B.3)
- Communicate well organized, accurate and synthesized oral presentations (C.1)
- Counsel and educate patients and families (C.3)
- Demonstrate timely, comprehensive and organized documentation (C.6)
- Demonstrate a fund of knowledge in the clinical discipline and apply this to patient care (U.4)
- Demonstrate an awareness of one’s own learning needs and work to address these gaps (E.1, E.3)
- Show respect and empathy for others (B.3)
- Demonstrate accountability to the responsibilities of the student’s role and expectations of a clinical clerk (S.4)
- Communicates effectively with the interprofessional team (S.9)

Ob/Gyn Clerkship Learning Objectives
(Linked to Medical Education Program Objectives in parentheses)

At the end of the 3rd year clerkship in Ob/Gyn, the BUSM student will be able to:

- Demonstrate interpersonal and communication skills that build trust by addressing relevant factors including culture, ethnicity, language/literacy, socioeconomic status, spirituality/religion, age, sexual orientation and disability. (B.3,B.2, B.4)
- Perform a medical interview and physical examination with confidence and incorporate ethical, social, and diversity perspective to provide culturally competent health care. (C.1)
- Apply recommended prevention strategies to women during their entire life. (U.6)
- Recognize their role as a leader and advocate for women. (B.4)
- Exhibit the knowledge of preconception counseling including: genetics, medical conditions, and environmental factors on maternal and fetal health. (U.8)
- Explain normal physiologic changes during pregnancy and interpret common diagnostic studies. (U.1,C.1)
- Demonstrate knowledge of intra partum care. (U.4, U.5, U.6, R. 2, R.3, S.5)
• Illustrate menstrual cycle physiology, discuss puberty, abnormal bleeding and menopause. (U.2, U.3, U.7, U.8)
• Depict the etiology and evaluation of infertility and pediatric gynecology. (U.8, U.9, U.10)
• Develop a thorough understanding of contraception, including sterilization and abortion. (R.2, R.3, B.1, B.2, B.4)
• Display knowledge of common benign gynecological conditions including but not limited to urogynecology, vulvar disease, and STI’s. (U.1, U.2, U.3, U.5, U.7)
• Formulate a differential diagnosis of the acute abdomen and chronic pelvic pain. (U.7, U.8, U.9, U.10)
• Explain common breast conditions and outline the evaluation of breast complaints. (U.4, U.7, U.10, R.3)
• Demonstrate knowledge of perioperative care and familiarity with gynecological procedures. (U.3, U.4, U.9, R.3)
• Describe gynecological malignancies including risk factors, signs and symptoms and initial evaluation. (U.4, U.7, U.8, U.10, B.1)
• Provide a preliminary assessment of patients with sexual concerns. (B.1, U.7, U.8, U.9)
• Perform a pelvic and breast exam under supervision according to the competency based evaluation guidelines. (U.1, E.1, E.5, B.1, B.4)
• Demonstrate the ability to gather a focused gyn history, perform an appropriate prenatal visit, illustrate motions of vaginal delivery and communicate effectively in oral and written presentations. (C.1, C.2, E.1, E.2, E.5, E.6)
Contact Information

Clerkship Director

Jodi Abbott, MD, MHCM
Associate Professor
Vice Chair of Education
Telephone: 617-414-7481
Email: jodi.abbott@bmc.org
Pager: 7724
Office: Dowling Building 4th Floor, Room 4318

Associate Clerkship Director

Padmasini Kandadai, MD, MPH
Assistant Professor
Telephone: 617-414-7481
Email: padmasini.kandadai@bmc.org
Pager: 5383
Office: 85 East Concord St, 6th floor

Clerkship Coordinator

Makeba Kent
Medical Education Coordinator
Telephone: 617-414-7481
Email: makeba.kent@bmc.org
Pager: 6700
Office: Dowling Building 4th floor, Room 4315
Clerkship Description

Focus of clerkship

The purpose of this 3rd year rotation is to provide instruction in the basic knowledge and skills specific to the reproductive health maintenance and disorders of women, to emphasize the importance of quality obstetrics and gynecology in providing continuous comprehensive care for women, and to prepare the student for his/her future role as a physician.

Students in the 6-week Obstetrics and Gynecology Clerkship are placed at Boston Medical Center, Beverly Hospital, Mount Auburn, Framingham Metrowest Medical Center, Beth Israel in Plymouth, Saint Elizabeth’s Hospital, Norwood Hospital, Lowell General/Lowell Community or Kaiser, San Jose, CA. Each block of students will spend the equivalent of 3 weeks on the Gynecology Service and 3 weeks on the Obstetrics service at all sites. Throughout the rotation ambulatory experiences are obtained in both general and specialty clinics. During the inpatient gynecology rotation, six of the students (from Boston Medical Center) will be based at the Lahey Clinic in Burlington, MA.

Students will receive teaching as appropriate, from attending physicians, residents, midwives and other providers involved in the care of patients in our practice. Each student will have a weekly continuity experience with a general Ob/Gyn faculty member, participating in their clinic for the entire 6-week block. Students will take call no more than 6 times in a block, and will go home post call after overnight calls. In addition to the clinical experiences, there are weekly didactics offered Wednesdays. The topics for these sessions are derived from Association of Professors of Gynecology and Obstetrics (APGO) Medical Student Educational Objectives.

Pre-requisite knowledge and skills

Students must have completed their second year curriculum, attended the 3rd year orientation, and have taken the Step-I exam prior to taking this clerkship.

Prior to beginning the clerkship the BUSM Student should know the following:

- Associate the male and female embryological urogenital structures with their adult counterparts.
- Compare changes in the male and female urogenital tracts from birth through senescence.
- Describe how sex chromosomes determine gonadal sex and compare the clinical manifestations of aberrant sex chromosome number or composition.
- Describe the role of androgens in the differentiation of the urogenital tract.
- To review and understand the endocrinology and physiology of the normal menstrual cycle.
- To recognize the various disorders along the hypothalamic, pituitary, ovarian and uterine axis which lead to irregular menses and secondary amenorrhea.
To understand the pathophysiology and diagnostic criteria of Polycystic Ovarian Syndrome.

To be able to evaluate women with secondary amenorrhea.

Distinguish between anovulatory causes of abnormal menstrual function and those due to organic lesions in the reproductive tract.

Understand the peculiarities of pelvic visceral innervation and the pathogenesis of chronic pelvic pain.

Become aware of the full spectrum of modern diagnostic and therapeutic tools available for management of menstrual disorders and pelvic pain.

Appreciate the importance of individualized management and the opportunities for preventive healthcare in women presenting with menstrual irregularities.

Recognize the unspoken concerns of women presenting with pelvic pain and menstrual irregularities.

Understand the effects of estrogens and progestins in women

Understand the effect of various contraceptive methods on the menstrual cycle

List common contraceptive methods and the basis of action for each

Describe medical conditions that might influence eligibility for the provision of certain contraceptive methods

Understand the epidemiology, biology and clinical manifestations of common sexually transmitted infections.

Understand the modes of transmission of common sexually transmitted infections and prevention strategies in men, women and neonates.

Describe the pathogenesis of fibroids.

Describe the pathogenesis of uterine polyps.

Describe the pathogenesis of uterine synechiae in Asherman syndrome.

Describe the pathogenesis of fallopian tubal disease and hydrosalpinx.

Describe the theories of the pathogenesis of endometriosis.

Review the epidemiology of the major reproductive tract malignancies in women

Learn the pathophysiology of the major reproductive tract malignancies in women

Understand the basic anatomy, physiology, and endocrinology required for proper fertility

Explain the definition of infertility and the major causes of infertility

Describe the workup of an infertile couple

Describe the medical treatment of infertility

Understand the basic treatment involved with In Vitro Fertilization

Review fertilization and maternal recognition of pregnancy

Understand the role of chromosome number and origin in successful pregnancy

Review the endocrinology of pregnancy

Delineate the maternal response to pregnancy for each organ system

Highlight key areas in which maternal adaptations lead to pregnancy complications
The physicians and midwives who work at Beverly Hospital are members of a private practice. There is no clinic and it is rare that an “unassigned” patient will arrive to labor and delivery. Students will be assigned to work with physicians and midwives in both the hospital and the office setting. Due to the private nature of the specialty, students must conduct themselves with the utmost of respect and professionalism during all aspects of the rotation.

Framingham Metrowest Medical Center
115 Lincoln St, Framingham, MA 01702
Site Director: David Goldberg, MD davidgo@hotmail.com
Site Coordinator: Ellen Farrell Ellen.Farrell@mwmc.com
Phone: 508-383-8727

- Formal didactic lectures daily and daily morning rounds.
- Evaluation of patients in outpatient clinic once a week, working 1:1 with Tufts residents
- Evaluation of antepartum, intrapartum and postpartum patients on the obstetrical service. Attendance in perinatology and genetic/amniocentesis clinics.
- Evaluation of gynecological patients. Students are expected to scrub in on surgical cases and follow the patient from admission to discharge.
- The preceptor/student ratio is 1:2. There is 1:1 student progress meeting with the Clerkship Director at the halfway point of the rotation. Students are supervised by resident physicians in Ob/Gyn and attending physicians.

Kaiser Permanente, San Jose
276 International Circle, Family Health Center, 2nd Floor, Unit F San Jose, CA. 95119
Site Director: Katie Lemieux, MD Katie.L.Lemieux@kp.org
Phone: 408-362-4740
Kaiser Permanente is a pre-paid integrated health care system with emphasis on prevention and quality. The BUSM OB/GYN Clerkship will allow students to work closely with Physicians and Midwives to prepare them for sub-internships in OB/GYN, it’s subspecialties, or other fields. Students will appreciate a high volume environment on Labor and Delivery, in the clinics, and in the operating room for a broad overview of Women’s Health Care and to appreciate the opportunities in the field of OB/GYN.
Lahey Clinic, Burlington, MA  
41 Mall Rd., Burlington, MA 01805  
Site Director: Alison Dick, MD Alison.B.Dick@lahey.org  
Site Coordinator: June Digiammerino june.m.digiammerino@lahey.org  
Phone: 781-744-8561

You will be in the OR at Lahey every day. You should wear scrubs every day of the week. Wear your white coat over your scrubs if you are not in the Pre-Op Holding, the OR, or PACU. In other words, if you are not doing something associated with the OR, or if you are up on the floors, you should wear your white coat. On weekends, some of the residents wear scrubs or professional attire, but all the Attendings wear professional attire. You can wear your scrubs and white coat on the weekends.

Lowell Community Health Center and Lowell General Hospital, Lowell, MA  
161 Jackson Street, Lowell, MA 01852  
Site Director: Pranav Prakash, MD pranavpr@lchealth.org  
Phone: 978-937-9700

Mount Auburn Hospital  
330 Mt. Auburn St., Cambridge, MA 02138  
Site Director Malcom (Kip) Mackenzie, MD mmacken1@mah.harvard.edu  
Site Coordinator: Lynne Dohert ladohert@mah.harvard.edu  
Phone: 617-499-5161

Mt Auburn hospital is a community hospital just west of Harvard Square, serving the population of Cambridge and surrounding communities. Students will experience Ob care on Labor and Delivery, Ob/Gyn care in clinics, including MFM, Gyn Onc and Uro Gyn clinics, and Gyn cases in the OR. Due to the busy schedule and no Gyn floor rotation, you won’t be rounding as much as other sites, but you’ll be spending that time seeing more patients and exploring the field. MAH has a comparable birth rate to BMC, but with fewer medical students on at a time, so there can be plenty to do, and many opportunities to participate.

Norwood Hospital  
800 Washington St, Norwood, MA 02062  
Site Director: Alice Shen alice.shen@steward.org  
Phone: 781-769-4000
St. Elizabeth’s is a community based hospital but also the tertiary care referral site for all other Steward affiliated facilities. You will be considered a member of the care team along with physicians, midwives, physician assistants, nurse practitioners and nurses. We offer a mix of patient interactions on Labor & Delivery, in the operating room and in outpatient clinics. Your schedule will change daily to take advantage of various learning opportunities, but in general, you will spend half the rotation covering obstetrics and the other half covering gynecology. Having a car is preferred for the clerkship as we have some offsite clinics; however, public transportation is available to some of these locations.
Clerkship Schedules

Boston Medical Center Wards

OB Rounds:

- Weekdays
  - Chief Rounds – 7:15AM
  - Sit-down Rounds – 7:30AM
  - Board Rounds – 8:30AM
  - Sit-down Rounds – 5PM (Only students on L&D during the day)
  - Thursday noon MFM conference

- Weekend and Holidays:
  - Sit-down Rounds – 7:30AM
  - Board Rounds – 8:30AM

Gyn Rounds:

- Weekdays
  - Floor Rounds – 6:30AM (Notes must be completed by 6:15AM)
  - Sit-down Rounds – 7:00AM
  - Operating Room – 7:30AM
  - Evening Sign-outs – 5:30PM (ALL Students)
  - Gyn conference Fridays Noon
  - PreOp conference/Tumor Board: alternating Mondays 7:30AM

- Weekend and Holidays
• Sit-down Rounds – 7:00AM

**Block Schedule**
Block schedule dates for all clerkships can be located on the Office of Academic Affairs website: [http://www.bumc.bu.edu/busm/education/academic-affairs/academic-calendars/](http://www.bumc.bu.edu/busm/education/academic-affairs/academic-calendars/)

**Didactic Schedule**

**Didactic Sessions Every Wednesday**

7:30AM – Grand Rounds

8:45AM – Case Based Learning

10:30AM – Small Groups

12:00PM – Lunch

1:00PM – Student Presentations

2:45PM – Active learning/Midpoint Evaluations

Kaiser students will skype in for small groups and afternoon didactics.

**Call Schedule**

Each student will participate in no more than 4 overnight calls on the labor floor. Gyn call, depending on site, may be integrated or a separate call experience.

**Holidays**

Thanksgiving: Wed, Nov 21, 2018 at 12PM – Sun, Nov 25, 2018

Intercession: Thursday, December 20th 2018 after the shelf exam – Tue, Jan 1, 2019

Other holidays that occur during specific blocks will be communicated by the clerkship director.
Assessment and Grading

Clerkship Grading Policy

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<thead>
<tr>
<th>HOW MUCH EACH PART OF YOUR GRADE IS WORTH:</th>
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<tbody>
<tr>
<td>Clinical Grade Percentage (including small group participation)</td>
<td>60%</td>
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<tr>
<td>Shelf/Exam Percentage</td>
<td>30%</td>
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<tr>
<td>“Other” Components Percentage</td>
<td>10%</td>
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<tr>
<th>HOW YOUR FINAL WORD GRADE IS CALCULATED:</th>
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<tr>
<td>Honors</td>
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<tr>
<td>High Pass</td>
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<tr>
<td>Pass</td>
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<tr>
<td>Fail</td>
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<tr>
<th>SHELF/EXAM GRADING</th>
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<td>Exam minimum passing (percentile/2 digit score)</td>
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Question: What is “Other” and what percentage is it worth?

- Evidence Based Medicine Review/Case Presentation Percentage 10%
- Other components that need to be completed in order to pass the clerkship
  - Patient log
  - Clinical Skills Passport
  - Duty Hour Logs
  - Demonstrate competency in the advanced clinical skills taught and assessed during the clerkship
  - Submit all required documentation, quizzes and paperwork

Clerkship Specific Clinical Grade Procedures/Policies

Students at BMC or BMC/Lahey will request evaluations from faculty (including midwives, nurse practitioners and fellows), and residents.

Primary preceptors at sites with multiple preceptors will collect evaluation data from the other physicians with whom the student works. The primary preceptor will collate this data, and submit the final clinical evaluation.

Professionalism

Evaluation of a medical student's performance while on a clinical clerkship includes all expectations outlined in the syllabus and clerkship orientation as well as the student's professional conduct, ethical behavior, academic integrity, and interpersonal relationships with medical colleagues, department administrators, patients, and patients' families. Any lapses in professionalism may result in a loss of
up to 3% of the total possible clerkship points regardless of performance in other areas of the clerkship. Any professionalism lapses resulting in a loss of clerkship points will require narrative comments by the clerkship director in the professionalism comment section of the final evaluation and a discussion with the student.

### Clerkship-Specific Failure and Remediation Policies/Procedures

- A score of 1-1.9 (averaged score across evaluators) in any CSEF domain, may result in failure of the clerkship

- Students who fail the shelf examination can re-take it. Students who fail the re-examination must repeat the entire clerkship.


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**Formative Assessments**

The purpose of formative assessment is to improve student learning by providing feedback on how well they are learning skills and content during the clerkship. Formative assessments are not included in the calculations of students’ final grades. Each clerkship has required **FOCuS** (Feedback based on Observation of Clinical Student) forms which must be completed by the mid/end of the clerkship. These forms will provide formative assessment through direct observation of CSEF behaviors.

- Interview and Data Gathering
- Physical Exam
- Documentation
- Patient Education

**Formative Assessment and Feedback Policy**

Boston University School of Medicine (BUSM) ensures that each medical student is provided with formative assessment early enough during each required course or clerkship to allow sufficient time for remediation. Formative assessment occurs at least at the midpoint of each required course or clerkship four or more weeks in length.


**Mid-Clerkship Review**

You and your clerkship director, site director or primary preceptor will complete the **BUSM Mid-clerkship Evaluation form** at the mid clerkship point.
The purpose of this evaluation is to give the student a chance to understand both their strengths as well as opportunities to improve. The feedback received at the mid-clerkship review is intended to allow the student to improve their clinical skills in real time.

**Final Summative Assessments**
The final summative assessment will be based on the clerkship grading policy and include a clinical performance grade with the CSEF (Clinical Student Evaluation Form), a NBME performance grade, and other assessments depending on the clerkship.

**NBME Subject Examination**
Students will take the Obstetrics and Gynecology NBME Subject Examination on the last Friday of the clerkship (unless otherwise communicated by the Office of Academic Affairs). Students are given a reading day the day before the exam. Students do not report to their clerkship site on the reading day or the day of the exam. Students will be given 2 hours 45 minutes to complete this exam.

**Shelf Exam Laptop Certification Process**
Students must certify their laptops one week before the NBME Subject Exam and again on the day before the exam. Instructions are provided on the Alumni Medical Library website at: [http://medlib.bu.edu/computing/nbmelaptopcertification.php](http://medlib.bu.edu/computing/nbmelaptopcertification.php)

**Exam Policies**
[http://www.bumc.bu.edu/bsm/education/academic-affairs/policies/exam-policies-for-medical-students/](http://www.bumc.bu.edu/bsm/education/academic-affairs/policies/exam-policies-for-medical-students/)

**Testing Center Policies**

**Make-Up Exams**
Students needing to make up the exam or remediate only the exam portion of the clerkship must contact the Clerkship Coordinator to arrange for a make-up/remediation date. **Students may not take a make-up or remediation exam during any block they currently have a scheduled rotation.** Make-ups and remediation exams will typically be scheduled at the end of the third year blocks between mid-May and early June.
DEPARTMENT OF OB/GYN CLERKSHIP POLICY: PELVIC EXAM UNDER ANESTHESIA BY MEDICAL STUDENTS

Medical students are frequently assigned to the operating room as a member of the surgical team during the core clerkship and elective courses in Obstetrics and Gynecology. The attending physician is responsible to determine the level of participation of the student, to assign specific tasks that the student may perform and to supervise the student during participation.

As a part of many gynecologic surgeries, a pelvic examination under anesthesia (EUA) is performed to provide valuable information for the safe conduct of the operation and to allow learners to encounter normal and abnormal anatomy while the patient is relaxed and without patient discomfort. When an EUA is planned as part of the procedure, it is important that all aspects of the surgical procedure, including the EUA, be discussed with the patient.

The written consent should specifically document “examination under anesthesia.” In addition to the surgeon, other physician members of the surgical team may perform an EUA to confirm the findings or render an additional opinion. In this circumstance, the EUA also may provide an opportunity to teach other members of the team regarding the surgical decision-making process, and the selection of the surgical approach.

A medical student who is part of the surgical team may not perform an EUA unless the patient specifically consents to also having a medical student perform the examination. It is the student’s responsibility to meet the patient prior to the procedure and obtain verbal consent to participate in all aspects of the surgical procedure. At all times, the personal wishes of the patient should determine the extent of her participation in the education process. Refusal to have a medical student perform an EUA should not in any way affect the care of the patient.

EUA should be performed only by members of the surgical team who are directly involved in the care of that patient.

An EUA as part of a planned procedure should only be performed by a student with the signed written consent of the patient on a form containing the words “Examination under Anesthesia”. The specific words “by medical student” need not be written on the consent form because the faculty member will verbally obtain permission for the medical student to participate in all aspects of the surgical procedure as a member of the surgeon’s team.
Roles and Responsibilities

Clerkship Director
- Oversee the design, implementation, and administration of the curriculum for the clerkship
- Create and maintain an appropriate learning environment, modeling respectful and professional behaviors for and toward students
- Ensure student and faculty access to appropriate resources for medical student education
- Orient students to the clerkship, including defining the levels of student responsibility necessary for required diagnoses and procedures
- Oversee teaching methods (e.g. lectures, small groups, workshops, clinical skills sessions, and distance learning)
- Develop faculty involved in the clerkship
- Evaluate and grade students
  - Develop and monitor assessment materials
  - Use required methods for evaluation and grading
  - Assure mid-clerkship meetings and discussion with students
  - Ensure students are provided with feedback on their performance
  - Submit final evaluations for students via E*Value
- Evaluate faculty and programs via peer review and reports from the Office of Medical Education and national reports
- Support each student’s academic success and professional growth and development, including working with students experiencing difficulties
- Participate in the BUSM clerkship peer review process
- Ensure LCME accreditation preparation and adherence
- Adhere to the AAMC-developed guidelines regarding Teacher-Learner Expectations

Clerkship Coordinator
- Support the clerkship director in the responsibilities provided above
- Create and maintain an appropriate learning environment, modeling respectful and professional behaviors for and toward students
- Maintain student rosters and clinical schedules
- Coordinate orientations and didactic sessions
- Liaise with site directors and administrators to coordinate student experiences across all sites
- Verify completion of clerkship midpoint and final evaluations for each student
- Monitor students’ reported work hours and report any work hours violations to the clerkship director
- Coordinate and proctor clerkship exams

Site Directors
- Create and maintain an appropriate learning environment, modeling respectful and professional behaviors for and toward students
- Orient students to the clinical site
• Sets student expectations for clinical encounters and discusses student role and responsibilities
• Supervises students by observing history taking, physical exam skills and clerkship specific required observations.
• Ensures formative feedback in an appropriate and timely fashion
• Delegates increasing levels of responsibility
• Meets with the student for the Mid-clerkship review
• Meets with the student for the final exit meeting
• Recognize students who have academic or professional difficulties and communicate this to clerkship leadership
• Collects feedback and evaluation data from all physicians who work with the student
• Evaluates students fairly, objectively and consistently following medical school and department rubrics and guidelines
• Ensure student and faculty access to appropriate resources for medical student education
• Adhere to the AAMC-developed guidelines regarding Teacher-Learner Expectations

**Primary Clinical Faculty/Preceptors/Trainees**
• Set and clearly communicate expectations to students
• Supervise students by observing history taking and physical exam skills, and document it on the FOCuS form
• Delegate increasing levels of responsibility to the student within clerkship expectations
• Maintain appropriate levels of supervision for students at site.
• Create and maintain an appropriate learning environment, modeling respectful and professional behaviors for and toward students
• Recognize student learning or professional difficulties and communicate to clerkship director directly in real time in person or via email or phone
• Give students appropriate and timely formative feedback
• Assess students objectively using the CSEF form
• Adhere to the AAMC-developed guidelines regarding Teacher-Learner Expectations

**Supervision**
Initially, the primary clinical faculty members should designate time to observe you performing: **history taking, focused physical exam, clinical problem-solving and interaction with patients and patient education.**  Once the supervisor establishes the student’s level of confidence and competency, the student should be delegated increasing levels of responsibility in patient care, as appropriate. Although students may initiate a particular patient encounter on their own and without direct supervision, the faculty must at some point review the encounter with the student and inform the patient in-person that the student’s assessment and management plan has been reviewed and approved by the faculty. The faculty is ultimately responsible for the evaluation, treatment, management, and documentation of patient care. If students have concerns regarding their clinical supervision, the site director and clerkship director should be immediately notified.
Supervision and Delegating Increasing Levels of Responsibility

It is expected that the level of student responsibility and supervision will be commensurate with student’s competency and level of confidence. When the student arrives to a new setting, a faculty may wish to observe you for the first session. Thereafter, you should begin to see patients on your own. In the outpatient setting, the student should initially perform 4-5 focused visits per day in the first week, increasing to 6-12 thereafter. In the inpatient setting, the student should initially follow 1-2 patients and increased to 3-4 thereafter. When a student feels that he or she is being asked to perform beyond his or her level of confidence or competency, it is the responsibility of the student to promptly inform the preceptor. It is then the preceptor’s responsibility to constructively address the student’s concerns and appropriately restructure the teaching encounter to address the student’s learning needs.

Under no circumstances should the following occur:

- Patient leaves the office/hospital with never having had a direct face-to-face encounter with clinical faculty/supervising resident.
- Primary faculty gives “prior approval” for student to perform intervention (order labs, prescribe meds) without satisfactory review.
- Patient leaves office/hospital without being informed that assessment/management plan has been directly reviewed and approved by the faculty.
- Learning in which a student is expected to perform an intervention or encounter without the prerequisite training and/or adequate supervision.
- Student note provides the only record of the visit. Although all faculty see all patients, faculty must document that they were actually the person responsible for seeing and examining the patient.

Third Year Student

Out of professional courtesy and respect for the patients please dress appropriately. Students who are not dressed appropriately will not be admitted to patient care settings, conferences, discussion groups or other educational events. As a reminder, scrubs or jeans (for men and women) are not considered appropriate for the ambulatory clinic or educational days.

You are part of a team. You are expected to participate fully as a team member. You must treat patients, their families and all hospital staff with unfailing courtesy and respect. You need to take responsibility for patients assigned to your care, and communicate with the resident team and attending staff.

You are expected at all student, resident and department lectures, case presentations and clinical skill sessions. Attendance will be taken at all sessions and will be taken into account when determining who will receive honors.

Clinical responsibilities begin on 1st day of the clerkship at 5p and end at 10p on the Tuesday before the end of the block.
Each BMC student is scheduled 1 academic session. This session mimics clinic, so start at 8:30 or 1:00. You are expected to attend conferences and rounds on these days.

Professional Comportment
Students are expected to adhere to the AAMC-developed guidelines regarding Teacher-Learner Expectations, located on the Policies page, under “Academic Policies and Information” (http://www.bumc.bu.edu/bumc/files/2015/05/AAMC-Teacher-Learner-Expectations.pdf)

Students are expected to be aware of and follow the site expectations on professional comportment, including, but not limited to, dress code and the use of phones, pagers, and laptops. Students must arrive on time at their site and for any scheduled sessions. Any missed sessions and absences must adhere to the Clinical Student Time Off Policy.

Further, below are expectations for student professionalism in the core clerkship curriculum. These include, but are not limited to:

- Treating the clerkship team in a professional and respectful manner
- Engaging in the core curriculum and participating respectfully at all times
- Arriving at clerkship didactic sessions on time
- Requesting faculty and resident evaluations in a timely manner
- Reviewing and responding to e-mail requests in a timely manner.
- Returning borrowed clerkship materials on time
- Handing in all assignments on time
- Completing all logs and FOCuS forms by the clerkship specific deadline
- Inform clerkship leadership and supervising faculty/residents of absences

Feedback on professionalism will be given to students during the mid-clerkship meeting so students will be made aware of any concerns noted by the clerkship directors, clerkship coordinator, faculty or residents.

Positive and constructive comments on professionalism will be included in the narrative of the final clerkship evaluation for each student. Any lapses in professionalism may result in a loss of up to 3% of the total possible clerkship points.

**Ethical Behavior for Examinations and Mandatory Sessions**
- Refrain from any conversation with your peers during exams and as you leave the L-11 testing space, including within the vending room and elevator waiting area, until you are on the elevator.
- Don’t seek or receive copies of the examinations
- Signing in classmates, or signing in yourself and not staying, for mandatory sessions is considered cheating and violations will be referred to Medical Student Disciplinary Committee
- If you are aware of any violations of the ethical standards listed above, within the Student Disciplinary Code of Academic and Professional Conduct, or otherwise, report it to the Clerkship Director
Student Evaluation of the Clerkship
Student feedback is a highly valued, critical resource for helping us continually improve our curriculum. Evaluation of learning experiences is a requirement of the Liaison Committee on Medical Education. To ensure that we have a representative amount of data on our courses and clerkships, all students are expected to complete an evaluation via E*Value (www.e-value.net) for each of the courses/modules and their instructors. All evaluations are anonymous and aggregate data is only released to clerkship directors after grades have been submitted for the blocks. Please comment freely and honestly about your experience.

Blackboard
Students will have access to a Blackboard site for the clerkship. The site is listed under “My Courses” as obstetrics and Gynecology Clerkship 2018-2019 on your Blackboard landing page.

Students who have questions about the Blackboard site or find that they do not have access to the site should contact the Clerkship Coordinator for assistance.

Blackboard Learn: https://learn.bu.edu/

Assignments
Evidence Based Medicine Case Presentation:
Case presentations are done at BMC for students who are at BMC, Lahey, Plymouth, Norwood, Lowell and Beverly Hospital. Mt Auburn, Kaiser and Metrowest will receive separate instructions from their individual sites.

Your presentation has 2 components:
- A slide presentation
- List of references

Examples of the content and format for both are under Case Presentation on Blackboard. Please review the powerpoint template before beginning your presentation. A list of possible topics is also posted on Blackboard. If you want to do another topic please get approval from Dr Abbott or Dr. Kandadai

Your slides are intended to serve as a guide for your oral presentation.

Both should contain:
- Name of student presenter.
- Date of the presentation
- Initials of the patient being presented and the Hospital’s medical record number.
- A focused history and physical, pertinent laboratory results, hospital course if an inpatient and management plan (follow-up if available).
- An evidence based discussion of management as supported by the literature.
- An integrated discussion of the case and the literature
- List of references reviewed, presented in the format of the New England Journal of Medicine.
The presentation should be 15 minutes. Your goal is to educate your colleagues regarding diagnosis and management of this clinical problem.

Your presentation is graded by the following criteria (listed on Blackboard):

- Presentation Skills
- Organization
- Case/Topic Selection
- Presentation of EBM
- Discussion of Case/EBM

You are expected to have your slides ready to present when you are scheduled to present.

**Patient Encounters/Case Logs**
Across the third year there are required patient encounters and procedures that must be logged whenever they are seen. To log the patient encounter, students must have participated in the history, physical exam, assessment and plan development of the patient.

**Required Patient Encounters**
http://www.bumc.bu.edu/busm/education/academic-affairs/faculty-resources/

<table>
<thead>
<tr>
<th>Required Patient Encounters</th>
<th>Required Procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abdominal/Pelvic Pain</td>
<td>Female urinary catheterization (sim)</td>
</tr>
<tr>
<td>Amenorrhea</td>
<td>NSVD (P)</td>
</tr>
<tr>
<td>Amenorrhea- menopause</td>
<td>D&amp;C observation (O)</td>
</tr>
<tr>
<td>Abnormal uterine bleeding</td>
<td>Suturing (P)</td>
</tr>
<tr>
<td>Dysuria</td>
<td>Pap smear (P)</td>
</tr>
<tr>
<td>Sexual dysfunction</td>
<td>Scrubbing and sterile gown/gloving (P)</td>
</tr>
<tr>
<td>Urinary changes (incontinence, etc)</td>
<td></td>
</tr>
<tr>
<td>Vaginal discharge</td>
<td></td>
</tr>
<tr>
<td>Breast Lump</td>
<td></td>
</tr>
<tr>
<td>The patient who is trying to get pregnant</td>
<td></td>
</tr>
<tr>
<td>The patient who is pregnant</td>
<td></td>
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<tr>
<td>The patient in labor</td>
<td></td>
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<tr>
<td>The postpartum patient</td>
<td></td>
</tr>
<tr>
<td>High BP - preeclampsia</td>
<td></td>
</tr>
</tbody>
</table>

**Presenting Conditions (Required diagnoses)**
All: Students are expected to take a patient history, conduct a physical exam, and provide both an assessment and treatment plan inclusive of anticipatory guidance and counseling where appropriate

Alternative Experience- Students complete the requirement by participating in a simulation, standardized patient exercise, case-based session or online module.

Procedures
S=Simulation or task trainer- Student performs a procedure or skill in simulation or by using a task trainer
P=Procedure: Students are expected to perform the procedure/skill on a patient
O=Observation: Students are expected to observe a procedure done on a patient

Alternative Patient Encounters
If a student has not been able to experience all patient encounters required for the clerkship, students must address any gaps in their patient encounters through an alternative experience. In this clerkship, students must notify the clerkship directors and coordinator by the end of the 4th week of the clerkship so arrangements can be made for the student to see these encounters.

Patient Encounter Log
Students are expected to log their patient encounters in E*Value (www.e-value.net). Patient logs help the clerkship ensure that each student is seeing a diagnostically diverse patient population, an adequate number of patients, and performing a sufficient number of required procedures and diagnoses. The directions on how to log patient encounters can be found on the E value help page http://www.bumc.bu.edu/evaluate/students/. Students must bring a printed copy of their patient encounter and procedure log to their mid rotation feedback meeting.

Policies and Procedures for Evaluation, Grading and Promotion of Boston University School of Medicine MD Students

Collaborative Student Assessment System
http://www.bumc.bu.edu/busm/files/2016/03/OAA_Collaborative_Student_Assessment_System.pdf

Student Disciplinary Code of Academic and Professional Conduct

Attendance Policies
On-site hours must be limited to 80 hours per week, averaged over a two-week period. Violations should be reported directly to the clerkship director or to an Associate Dean (Academic Affairs or Student Affairs). Time off requests must comply with the Attendance & Time Off Policy.
  o Time Off Request Form: www.bumc.bu.edu/busm/files/2015/06/Time-off-Request-Form.doc
• Work Hours: http://www.bumc.bu.edu/busm/education/academic-affairs/policies/work-hours/
• Jury Service: http://www.bu.edu/dos/policies/lifebook/jury-service/
• Weather Policy: http://www.bumc.bu.edu/busm/education/academic-affairs/policies/weather-policy/

Personal Day Policies
http://www.bumc.bu.edu/busm/education/academic-affairs/policies/personal-days-policy/

Clerkship Specific Blackout Dates
Wednesdays

Scrubs Policy
http://www.bumc.bu.edu/busm/files/2015/06/Scrubs-Policy.pdf

BUSM Policies
In addition to the expectations listed above, all students are expected to adhere to BUSM and Boston University policies.
http://www.bumc.bu.edu/busm/education/academic-affairs/policies/

BU Policies and Student Support Services

Appropriate Treatment in Medicine
Boston University School of Medicine (BUSM) is committed to providing a work and educational environment that is conducive to teaching and learning, research, the practice of medicine and patient care. This includes a shared commitment among all members of the BUSM community to respect each person’s worth and dignity, and to contribute to a positive learning environment where medical students are enabled and encouraged to excel.

BUSM has a ZERO tolerance policy for medical student mistreatment.

Students who have experienced or witnessed mistreatment are encouraged to report it using one of the following methods:

• Contact the chair of the Appropriate Treatment in Medicine Committee (ATM), Dr. Robert Vinci, MD, directly by email (bob.vinci@bmc.org)
• Submit an online Incident Report Form through the online reporting system http://www.bumc.bu.edu/busm/student-life/student-life/atm/report-an-incident-to-atm/
These reports are sent to the ATM chair directly. Complaints will be kept confidential and addressed quickly.


**Needle Sticks and Exposure Procedure**

**Boston University Sexual Misconduct/Title IX Policy**

**Boston University Social Media Guidelines**
http://www.bu.edu/policies/information-security-home/social-media-guidelines/

**Recent Changes to the Clerkship**
Based on student feedback the schedules for BMC and BMC/Lahey have been changed this year to provide more continuity. 2 weeks OB, 2 weeks GYN and 2 weeks ambulatory.

BMC students will now work a 12 hour shift with a RN on labor and delivery

**Learning Strategies and Tools**

**Recommended Texts**
- Wolters Kluwer Obstetrics and Gynecology 7th Edition textbook. This is given at orientation.

**E*Value Student Resources**
http://www.bumc.bu.edu/evalue/students/

**Echo360/Technology**
Echo360 may only be used for streaming captured lecture videos; the videos may not be downloaded. Taking smartphone or digital pictures or videos of any part of the lecture in class, or at home, is similar to downloading and is not allowed. There are a number of reasons for this, including that students and/or the University may be liable for violations of federal copyright and privacy laws as a result of the use of copied material.

If you experience any technical problems, please report the issue in one of the following ways to generate an IT ticket:

- **Echo360 Related Issues**: Create a ticket on the Ed Media site (http://www.bumc.bu.edu/bumc-emc/instructional-services/echo360/): sign in and provide pertinent information that will enable an effective response. Have a link to the problematic video ready to copy/paste into this form.
• **Educational Technology Related Issues:** For assistance with technology supported by BUMC's Educational Media (e.g. ExamSoft), tickets can be created via their website at: [http://www.bumc.bu.edu/bumc-emc/instructional-services/report-an-educational-technology-issue/](http://www.bumc.bu.edu/bumc-emc/instructional-services/report-an-educational-technology-issue/)

• **Other Technology Related Issues:** For assistance with BU-wide technology, such as Blackboard, email an example (e.g. picture or very brief phone video) to ithelp@bu.edu with a descriptive subject line and give as many details as possible on the what, where, how you are using the service and what type of computer, browser, etc. along with type of student (i.e. BUSM III). Always include link(s) to or screen shots of where the issue is occurring.


**Tutoring**
Peer tutors may be requested via the Office of Academic Enhancement’s Peer Tutoring Program at: [https://www.bumc.bu.edu/busm/student-life/professional-development/academic-enhancement/peer-tutoring-program/](https://www.bumc.bu.edu/busm/student-life/professional-development/academic-enhancement/peer-tutoring-program/)

**Office of Disability Services**
Boston University is committed to providing equal and integrated access for individuals with disabilities. The Office of Disability Services provides services and support to ensure that students are able to access and participate in the opportunities available at Boston University. [http://www.bu.edu/disability/policies-procedures/academic-accommodations/](http://www.bu.edu/disability/policies-procedures/academic-accommodations/)

**Session Learning Objectives and Notes**

Small Groups—**Small Group Participation is graded** (rubric given at orientation)

**First Trimester Bleeding**

By the end of the First Trimester Bleeding Small Group students will be able to:

- Define risk factors for abnormal pregnancy, and develop a differential diagnosis for vaginal bleeding in the 1st trimester
- Order appropriate tests to differentiate normal and abnormal pregnancy
- Organize a management plan based on results of the above tests
- Counsel a patient with an ectopic pregnancy or miscarriage regarding treatment plan and recurrence risk
- Create a follow up plan of care for each scenario according to evidence based medicine and department protocols

**Abnormal Uterine Bleeding**

By the end of the Abnormal Uterine Bleeding Small Group students will be able to:

- Describe the physiology involved in the normal and abnormal menstrual cycle.
• Define abnormal uterine bleeding versus dysfunctional uterine bleeding.
• Accurately differentiate between the terms used to describe abnormal uterine bleeding.
• List the etiologies of abnormal bleeding
• Recommend a diagnostic process for abnormal uterine bleeding.
• Identify the diagnostic and treatment modalities for Uterine Leiomyomas (Fibroids)

Medical Complications in Pregnancy

By the end of the Medical Complications in Pregnancy Small Group students will be able to:

• Elicit a focused history in a diabetic pregnant woman.
• Explain the reason for pregestational counseling and management in the optimal care of a pregnant woman with diabetes.
• Order appropriate screening tests
• Counsel the patient regarding pregnancy related risks to mother and fetus.
• Organize a management plan for and individual patient with diabetes in pregnancy

Pelvic Pain

By the end of the Pelvic Pain Small Group students will be able to:

• Successfully take a gynecologic history detailed enough to distinguish among various types of dysmenorrheal and chronic pelvic pain
• Describe and discuss the differential diagnosis of dysmenorrhea and pelvic pain
• Discuss the evaluation and management of pelvic pain
• Recognize the signs and symptoms of acute pelvic pain
• Describe the appropriate treatment of acute pelvic pain and the criteria for admission.
• Recall the epidemiology and pathophysiology of acute pelvic pain
• Explain potential sequelae of pelvic inflammation or infection
• Discuss the management of Tubo-Ovarian Abscess (TOA).

Post-Partum Hemorrhage

By the end of the Post-Partum Hemorrhage Small Group students will be able to:

• Describe risk factors for postpartum hemorrhage
• Define the differential diagnosis of postpartum hemorrhage
• Engage a multidisciplinary team in a clinical emergency situation
• Order an appropriate laboratory evaluation
• Be able to discuss the management of the patient with postpartum hemorrhage
Amenorrhea

By the end of Amenorrhea, students will be able to:

- Definitions of primary amenorrhea, secondary amenorrhea and oligomenorrhea
- Causes of amenorrhea
- Evaluation methods
- Treatment options

Breast Disorders

By the end of Breast Disorders, students will be able to:

- List factors that place individuals at risk for breast disorders
- Describe symptoms and physical examination finding of benign or malignant conditions of the breast
- Demonstrate the performance of a clinical breast examination
- Discuss the steps in the evaluation of common breast complaints: mastalgia, mass, nipple discharge
- Discuss initial management options for benign and malignant conditions of the breast

Case Based Evidence Based Medicine

By the end of Case Based EBM, students will be able to:

- Recognize that an oral presentation in a concise and orderly manner is a key skill of any physician and the case presentation will assist the student in mastering this skill
- Use translational research and clinical research to illustrate and define management of clinical cases
- Prepare all the information necessary for clinical problem solving of the patient
- Present the chief complaint of the patient
- Formulate a differential diagnosis or problem list of the patient
- Discuss the findings of the physical examination and update the differential diagnosis
- Discuss procedures and laboratory tests ordered and why
- Present the pathophysiology of the patient’s problem
- Review the management for the patient based on current literature
Contraception

By the end of Contraception, students will be able to:

- Describe the mechanism of action and effectiveness of contraceptive methods
- Counsel the patient regarding the benefits, risks and use for each contraceptive method including emergency contraception
- Describe barriers to effective contraceptive use and to reduction of unintended pregnancy
- Describe the methods of male and female surgical sterilization
- Explain the risks and benefits of female surgical sterilization procedures

Hypertensive Disorders in Pregnancy

By the end of Hypertensive Disorders in Pregnancy, students will be able to:

- Define the types of hypertension in pregnancy
- Describe the pathophysiology of preeclampsia-eclampsia
- List risk factors for preeclampsia
- Recognize the signs and symptoms to diagnose preeclampsia-eclampsia
- Explain the management of a patient with preeclampsia-eclampsia
- List the maternal and fetal complications associated with preeclampsia-eclampsia

Infertility

By the end of Infertility, students will be able to:

- Define infertility
- List the causes of male and female infertility
- Describe the evaluation and initial management of an infertile couple
- Describe the psychosocial issues associated with infertility
- Describe management options for infertility • Describe ethical issues confronted by patients with infertility
- Identify the impact of genetic screening and testing on infertility associated treatments.

Menopause

By the end of Menopause, students will be able to:
Physiologic changes in the hypothalamic-pituitary-ovarian axis
Symptoms and physical findings associated with hypoestrogenism
Long-term changes associated with hypoestrogenism
Management, including:
1. Hormone therapy
2. Nutrition and exercise
3. Non-hormonal therapeutic options
Risks and benefits of hormone replacement therapy

Morbidity and Mortality (M&M)

By the end of M&M, students will be able to:

- Discuss the importance of and rationale behind the M&M conference
- Evaluate the extent to which M&M has historically been successful in achieving its quality & safety aims
- Explain how cases are chosen for discussion at conference in the Department of Obstetrics and Gynecology at BMC
- Recognize his or her role as a student observer during conference
- Analyze the success of the speaker in addressing key questions integral to a comprehensive M&M conference
- Identify and utilize essential resources to ensure learning both in and out of conference

Ovarian Cancer

By the end of Ovarian Cancer, students will be able to:

- Describe the initial management of a patient with an adnexal mass
- Compare the characteristics of functional cysts, benign ovarian neoplasms and ovarian cancers List the risk factors and protective factors for ovarian cancer
- Describe the symptoms and physical findings associated with ovarian cancer
- Describe the three histological categories of ovarian neoplasms

Preterm Labor/Premature Rupture of Membranes

By the end of Infertility, students will be able to:

- Identify the risk factors and causes for preterm labor
- Describe the signs and symptoms of preterm labor
- Describe the initial management of preterm labor
- List indications and contraindications of medications used in preterm labor
- Identify the adverse outcomes associated with preterm birth
- Counsel the patient regarding risk reduction for preterm birth
Root Cause Analysis (RCA)

By the end of RCA, students will be able to:

- Develop an awareness of how easily medical errors are made
- Understand what the components of systems based care are
- Be introduced to how we evaluate the causes and prevention of error by performing a root cause analysis
- Understand the principles of clear patient communication and demonstrate the components of open disclosure

Preeclampsia and gHTN

By the end of Preeclampsia and gHTN students will be able to:

- Define the types of hypertension in pregnancy
- List risk factors for preeclampsia
- Recognize the signs and symptoms to diagnose preeclampsia-eclampsia
- Explain the management of a patient with preeclampsia-eclampsia
- List the maternal and fetal complications associated with preeclampsia-eclampsia