

645I Urogynecology

Course Name 645I Urogynecology
Course Director: Dr. Taylor Brueseke

Elective at a Glance		
Available to: [X] UCI MS4 students [X] UCI MS3 students [X] Extramural Students		
Duration: 2 or 4 weeks	Number of Students: Max 1	Grading: H / P / F
Periods available: Available all Year		

1. Course Director, Coordinator and General Administrative Information

FACULTY AND STAFF

Name	Office Location	Phone	Email
Director: Dr. Taylor Brueseke, MD	--	--	tbrueseke@hs.uci.edu
Coordinator: Sophia Clay	--	--	sgclay@hs.uci.edu

DESCRIPTION

The student will work closely with Urogynecology faculty and fellows in the outpatient and inpatient setting. The week includes gynecology surgical conference and didactics-- followed by roughly two and a half days in clinic, two full days in the operating room, and one half day didactics. Clinic time will incorporate one on one teaching. Students have the opportunity to see patients independently and enhance skills of: history taking, presentation, pelvic floor physical examination (including POPQ and catheterizations), and development of treatment plans. Students will be exposed to a breadth of patients suffering pelvic floor dysfunction in a tertiary care setting including: pelvic organ prolapse, urinary/fecal incontinence, urinary retention, and vaginal mesh complications—all commonly involving refractory and/or recurrent cases. Additional exposures will include pelvic floor physical therapy, cystoscopy, urodynamic testing, and urodynamic interpretation. Surgical days involve robotic and vaginal repairs of pelvic floor dysfunction (this can include midurethral slings, vaginal hysterectomy, vaginal prolapse repair, robotic or laparoscopic prolapse repair, mesh excisions, InterStim). Students will also attend monthly Urogynecology Journal Club and Lecture series, and weekly general OB/GYN Friday didactics (QSCP and grand rounds).

PREREQUISITES

UC Irvine students must have successfully completed their basic science curriculum and the Ob/Gyn Core Clerkship. Extramural students must be in the final year of undergraduate medical education.

RESTRICTIONS

This rotation is not accepting DO or international students.

COURSE DIRECTOR

Taylor Brueseke, MD is an Associate Professor in the Division of Urogynecology and Reconstructive Pelvic Surgery who provides urogynecologic care for patients with complex pelvic floor conditions. His clinical interests include caring for women with urinary incontinence, pelvic organ prolapse, fecal incontinence and genitourinary syndrome of menopause. He partners with colorectal, urology, and radiology colleagues to provide multi-disciplinary care for these patients.

Dr. Brueseke has a special interest in graduate medical education and health care administration. He has mentored numerous undergraduate, medical student, resident, and fellows in research projects in addition to supporting their clinical pursuits. He is the Obstetrics and Gynecology Patient Safety/Quality Improvement here at UC Irvine and has developed a series of patient safety interventions as part of a surgical site infection reduction bundle aimed to improve adherence to evidence-based best practices.

Education

2014 – 2017	Fellowship, Division of Female Pelvic Medicine and Reconstructive Pelvic Surgery University of North Carolina-Chapel Hill, Chapel Hill, NC
2010 – 2014	Residency, Obstetrics and Gynecology University of California, Irvine, Orange, CA
2006 – 2010	Doctor of Medicine The Pennsylvania State University College of Medicine, Hershey, PA
1999 – 2001 & 2003 – 2006	Bachelor of Science, Neuroscience Brigham Young University, Provo, UT

INFORMATION FOR THE FIRST DAY

Who to report to on first day: UCI Urogynecology Fellow

Location to report on first day: Urogyn operating room vs office depending on day of the week

Time to report: 6:30am for OR days, 7:45 for office days

SITE

UCI Orange Medical Center: 101 The City Dr S, Orange, CA 92868

Irvine Medical Center: 19210 Jamboree Rd, Irvine, CA 92612

FQHC Santa Ana: 800 N Main St, Santa Ana, CA 92701

*It is highly suggested for Sub-Is to have a car in order to commute to and from these sites

DURATION

4 weeks

Scheduling Coordinator: UC Irvine students please email comsched@hs.uci.edu to make a scheduling appointment.

Extramural students enrolled at a U.S. LCME medical school must use VSLO to apply. To apply please refer to this website Visiting Student Learning Opportunities™ (VSLO®) | Students & Residents (aamc.org)

Periods Available:

Throughout the year

NUMBER OF STUDENTS ALLOWED

Maximum 1 student

WHAT STUDENTS SHOULD DO TO PREPARE FOR THE COURSE

Review pelvic anatomy and examination measures including POPQ. Basic review of female urinary incontinence and pelvic organ prolapse: risk factors, symptoms, and treatment options.

COMMUNICATION WITH FACULTY

Questions about logistics should be directed to the Course Coordinator. Direct questions, comments, or concerns about the course can be directed to the Course Director. Contact information and office location are at the beginning of this document.

The Course Director is also available to meet in person. Please email Sophia Clay (sgclay@hs.uci.edu) to arrange an appointment. To ensure that your email will not be lost in the large volume of email received, please use the following convention for the subject line:

SUBJECT: COURSE NAME, your last name, your issue (e.g. XXX, Smith, Request for appointment)

2. Course Objectives and Program Objective Mapping

The following are the learning objectives for the 645I Urogynecology course. Students are expected to demonstrate proficiency in these areas in order to satisfactorily complete the course. In addition, the extent of a student's mastery of these objectives will help guide the course evaluation and grade.

- Familiar with the principles and practice of female pelvic medicine & reconstructive surgery
- Capable in obtaining a targeted, Urogynecology specific patient history

- Knowledgeable in the physical evaluation of female pelvic floor dysfunction
- Have a strong understanding of pelvic anatomy
- Familiar with appropriate use of diagnostic processes surrounding pelvic floor dysfunction
- Familiar with appropriate treatment options surrounding pelvic floor dysfunction
- Comprehension of basic principles of bladder function, including urodynamic testing
- Knowledgeable of applied research in the area of female pelvic medicine and reconstructive surgery

Course Objective	Mapped UCI School of Medicine Program Objective	Sub Competency	Core Competency
Skillfully conduct medical interviews and perform comprehensive physical examination of patients with utmost professionalism within antepartum, intrapartum, and postpartum care.	B-1. The ability to competently conduct a medical interview and counseling to take into account patient health beliefs, patient agenda, and the need for comprehensive medical and psychosocial assessment	Medical Interview	Skillful
	B-2. The ability to competently perform a complete and organsystem-specific examination including a mental health status examination	Physical Exam	Skillful
Use evidence-based medicine to conduct medical care in the highest standards of the UCI Medical Center's mission statement within	B -4. The ability to search the medical literature, including electronic databases, and to locate and interpret up-to-date evidence to optimize patient care	Evidence Based Medicine	Skillful

antepartum, intrapartum, and postpartum care.			
Learn and value the needs of the community and individual patients within antepartum, intrapartum, and postpartum care.	D-2. A commitment to patient care and to the well-being of patients and colleagues	Patient Care	Skillful
	D-3. A commitment to serve our community	Community	Skillful

Key Topics:

- Female Pelvic Medicine & Reconstructive Surgery Office Gynecology

Competencies:

- Urogynecology targeted patient history
- Pelvic examination including: speculum examination, POPQ, bimanual, catheterization
- Basic understanding of urodynamic testing principles
- Basic understanding of appropriate, available treatment option

3. Course Resources

TEXTS AND READINGS: SUGGESTED

1. ACOG Practice Bulletin. Pelvic Organ Prolapse. NUMBER 85 Sept 2007 (Replaces Practice Bulletin Number 79, February 2007), Reaffirmed 2013
2. ACOG Practice Bulletin. Urinary Incontinence in Women. NUMBER 63 June 2005 (Reaffirmed 2013).
3. Textbook: Urogynecology & Reconstructive Surgery. Third Edition. Walters & Karram. Chapter 2: Anatomy of the Lower Urinary Tract, Rectum, and Pelvic Floor.
4. Textbook: Urogynecology & Reconstructive Surgery. Third Edition. Walters & Karram. Chapter 6: Evaluation of Urinary Incontinence and Pelvic Organ Prolapse: History, Physical Examination, and Office Tests.
5. Nager CW, Brubaker L, Litman HJ, Zyczynski HM, Gormley EA et al. A Randomized Trial of Urodynamic Testing before Stress-Incontinence Surgery N Engl J Med 2012; 366:1987-97.

6. Brubaker L, Cundiff GW, Fine P, et al. Abdominal Sacrocolpopexy with Burch colposuspension to reduce urinary stress incontinence. *N Engl J Med* 2006; 354 (15): 1557-66.
7. Wei JT, Nygaard I, Richter HE, Nager CW, Barber MD, Kenton K, Amundsen CL, Schaffer J, Meikle SF, Spino C. Midurethral Sling to Reduce Incontinence after Vaginal Prolapse Repair. *N Engl J Med* 2012; 366:2358-6.

Suggested:

1. Haylen BT, de Ridder D, Freeman RM, et al. An International Urogynecological Association (IUGA)/International Continence Society (ICS) Joint Report on the Terminology for Female Pelvic Floor Dysfunction. *Neurourology and Urodynamics* 29:4–20 (2010)
2. Richter H, Albo M, Zyczynski H, Kenton K, Norton P, Sirls L, et al, for the Urinary Incontinence Treatment Network. Retropubic versus Transobturator Midurethral Slings for Stress Incontinence. *N Engl J Med* 2010; 362:2066-76
3. Textbook: Urogynecology & Reconstructive Surgery. Third Edition. Walters & Karram. Chapter 13: Obstetrics & Pelvic Floor Disorders

4. Major Exams, Assignments and Grading

MANDATORY SESSIONS

Conference/Lecture/Small Group Sessions:

- Weekly Gynecology Conference
- Monthly Urogynecology Journal Club & Lecture Series
- Weekly OB/GYN Grand Rounds & Statistics

THE GRADING SCALE

The student will be graded with Honors/Pass/Fail for 4-week electives. The student's final grade will be submitted on the standard UC Irvine elective form. The student will be evaluated by attendings and residents in the areas of clinical performance, reliability, evidence of initiative, general fund of knowledge, and ability to relate to patients, staff, and colleagues. If the student fails, the elective a grade of "F" will be permanently recorded on his/her transcript. The student can repeat the course for a second grade; however, the "F" will not be removed from the transcript.

Requirements for "Pass":

To receive a grade of Pass, students must demonstrate successful performance in all the following areas:

- Knowledge
- Patient Care
- Practice-Based Learning

- Interpersonal & Communication Skills
- Professionalism
- Systems-Based Practice

Requirements for “Honors”:

To receive a grade of Honors, students must demonstrate exceptional performance all the following areas:

- Knowledge
- Patient Care
- Practice-Based Learning
- Interpersonal & Communication Skills
- Professionalism
- Systems-Based Practice

Grounds for “Incomplete”: You will not be issued a grade until all elements of the course have been completed.

REMEDIATION

Remediation, if needed will be designed by the Course Director to suit the issue at hand.

Grounds for “Fail”: You will receive a grade of "Fail" if the requirements for passing the course have not been met. Please refer to the [Grading Policy](#) for the impact of the "Fail" grade to the transcript.