



MINIMALLY INVASIVE SURGERY WEEK 2024 COURSE DESCRIPTIONS

Didactic Master Course: Challenges and Controversies in Endometriosis - A Multidisciplinary Problem

Wednesday, September 25, 2024 • 8:00am – 12:00pm

With Conference Registration: \$195

Course Only: \$245

Director: Radha Syed, MD

Co-Director: Juan Salgado-Morales, MD

Faculty: Maurice K. Chung, RPh, MD, Dr.h.c.; Nutan Jain, MD; Camran Nezhat, MD; Ceana Nezhat, MD; Farr Nezhat, MD

Description: Endometriosis is an enigmatic disease characterized by the presence of endometrium-like epithelium with or without stroma outside the endometrium and myometrium. It usually results in an associated inflammatory process. Genomic studies have shown significant alteration in gene expression in patients with endometriosis. There is also a multi factorial polymorphic genetic inheritance component to the disease in “familial” cases. Other factors including environmental or autoimmune mechanisms may be at play, making it difficult to precisely determine the etiology of endometriosis. A specific gene associated with a higher risk of endometrioid cancer in an endometrioma has been identified recently. Investigators have found a different patterns of behavior in ovarian endometriosis peritoneal endometriosis or deep infiltrating endometriosis. It can be locally Infiltrative with a severe inflammatory response, causing adhesions and obstructive syndromes in fallopian tubes, ureters, small intestine, colon, or rectum as a result of infiltration into these organs or adhesions. Ectopic endometrial implants have been found on the diaphragm, heart and in the thorax. Intense retroperitoneal fibrosis can occur without symptoms, only to be recognized on routine imaging for other processes. Asymptomatic endometriosis lesions may be found during diagnostic and operative procedures for other pathologies. This course will discuss some of the challenges and controversies in the medical and surgical management of the endometriosis patient.

Objectives:

- To increase understanding about the complexity of the disease and to discuss recent progress in patient management including pharmacologic and surgical options.
- To provide strategies to optimize surgical management of disease and to better understand when to call for help from other disciplines.
- To understand the role for patient referral for radical surgical excision of endometriosis in cases with a preoperative diagnosis of deeply infiltrating endometriosis (DIE).
- To provide clinical and operative vignettes illustrating the management of fibrotic, infiltrative, and obstructive lesions of ureter, bladder, small bowel and colon.

- To encourage surgeons to recognize the possibility of malignancy in patients with endometriosis.

Agenda:

(Speakers, topics and time are subject to change)

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| 8:00am | Introduction Radha Syed, MD |
| 8:00am-8:20am | DIE- Recognizing the Tip of the Iceberg - Planes of Dissection Juan Salgado-Morales, MD |
| 8:20am-8:40am | Colorectal Endometriosis Ceana Nezhat, MD |
| 8:40am-9:00am | Endometriosis of Bladder & Ureter- To Recognize and Treat Farr Nezhat, MD |
| 9:00am-9:20am | Endometriosis of Diaphragm/Chest and Heart- Presenting Symptoms Diagnosis and Surgical Excision Ceana Nezhat, MD |
| 9:20am-9:40am | When Endometriosis Becomes Malignant....? Recognition and Surgical Management Farr Nezhat, MD |
| 9:40am-10:00am | Conservation of Reproductive Functionality in Severe Endometriosis – The Surgical Steps Nutan Jain, MD |
| 10:00am-10:20am | History Symptom Findings Imaging- Diagnosis of Endometriosis and Management without Surgery Radha Syed MD |
| 10:20am-10:40am | Central and Pelvic Pain - is There an “Endo in sight “? Maurice K. Chung, RPh, MD, Dr.h.c. |
| 10:40am-11:30am | KEYNOTE SPEAKER CAMRAN NEZHAT, MD Enigma of Endometriosis Endometriosis Ancient Disease Ancient Treatments |
| 11:30am-12:00pm | Learning Exchange with Expert Panel-Q&A |

Skills Course: Mastering Pain Management Before and After Minimally Invasive Surgery Including Office Procedures for Pain (with IPPS)

Wednesday, September 25, 2024 • 8:00am – 12:00pm

With Conference Registration: \$250

Course Only: \$300

Director: Georgine Lamvu, MD, MPH, CPE

Faculty: Jorge F. Carrillo, MD, MHPE; Mario Castellanos, MD

Description: Peri-operative pain management is essential to good surgical outcomes. Research has identified several risk factors that pre-dispose patients to poor surgical outcomes. This evidence-based course will discuss pre-operative evaluation, down regulation of risk factors, and peri-operative methods for minimizing the risk of persistent pain while maximizing enhanced

recovery. Instructors will review abdominal wall and pelvic neuropathies that happen more frequently after surgery, pain anatomy, terminology and management of post operative neuralgias. Lastly, the course will cover office procedures for pain management that every surgeon should know; this review will include procedure protocols, coding, documentation, and billing. This learning activity will be a highly interactive lecture that will also review key factors that influence pain relief and patient satisfaction with care. The session will conclude with a sample case that will be used to: 1) review core principles discussed in the lectures and 2) practice (hands-on) trigger point injections, neural blocks (with and without ultrasound guidance), neuromodulation, and bladder instillations.

Objectives: By the end of this presentation learners will be able to:

- Discuss basic principles of multi-modal treatments for peri-operative pain management
- Review anatomy and management of post-operative neuralgias
- Review office procedures that can be implemented in patients with post operative pain and other associated symptoms

Agenda

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| 8:00am-8:05am | Welcome, overview of Course and Speaker Introductions Georgine Lamvu, MD, MPH, CPE |
| 8:05am-8:40am | Peri-Operative Pain Management in the Era of ERAS Protocols. How Can We Better Manage Patients with Complex Pain? Georgine Lamvu, MD, MPH, CPE |
| 8:40am-8:50am | Q&A |
| 8:50-9:25am | Avoiding, and Identifying Abdominal Trigger Points and Neuralgias in Peri-Operative Settings Jorge F. Carrillo, MD, MHPE |
| 9:25am-9:35am | Q&A |
| 9:35am-10:10am | Office Procedures for Pain Management That Every Surgeon Should Know Mario Castellanos, MD |
| 10:10am-10:20am | Q&A |
| 10:20am-10:30am | Break |
| INTERACTIVE | |
| 10:30am-11:55am | Case Discussion and Hands-On Practice Office Procedures The case discussion and hands-on session will: 1) review core principles discussed in the lectures and 2) practice (hands-on) trigger point injections, neural blocks (with and without ultrasound guidance), and bladder instillations. All participants will be separated into 3 groups and each group will rotate through the hands-on station for approximately 20 minutes so that each attendee can practice the procedures. |
| 12:00pm | Adjourn |

Suturing Skills Course: Advanced Laparoscopic Suturing - for the Gynecologist, Urologist, and General and Robotic Surgeon

Wednesday, September 25, 2024 • 8:00am – 12:00pm
With Conference Registration: \$250
Course Only: \$300

Director: Charles H. Koh, MD
Co-Director: Grace Liu, MD
Faculty: Mireille Truong, MD

Description: Participants will learn the uses and limitations of laparoscopic suturing. Suturing with two hands ipsilaterally allows the needle to operate in the sagittal plane, while permitting a restful and relaxed attitude of the elbows, forearms and hands. This course equips all attendees with improved suturing skills and insight into applications during surgery.

Objectives: Course participants will be better able to understand ergonomics, theory and rationale for reproducible and efficient laparoscopic suturing; learn port positions, instruments and tips to minimize fulcrum and maximize efficiency, perform interrupted suturing, continuous suturing, cinch knotting; apply learned skills in relevant surgical situations across specialties; and the prevention and management of bowel, bladder and ureteral complications by appropriate suture repair. A pre-test and post-test will demonstrate improvement in skills.

Hysteroscopy/Office-Based Hysteroscopy Skills Course

Wednesday, September 25, 2024 • 1:00pm – 4:30pm
With Conference Registration: \$250
Course Only: \$300

Director: Radha Syed, MD.
Co-Director: Ceana Nezhat, MD

Description: This course will introduce diagnostic and operative hysteroscopy and operative hysteroscopic techniques to the participants. This course is designed for clinicians seeking to enhance/update procedural skills as well as for those wishing to add hysteroscopy skills into their armamentarium. Participants will gain hands-on experience with hysteroscopy using virtual reality, wet and dry lab exercises. The expert faculty will instruct the participants on proper technique and tips with emphasis on indications and contraindications for operative and diagnostic hysteroscopy as well as the assembly and functions of the different hysteroscopy instruments.

Objectives: The participants will understand the handling, manipulating and maneuvering of hysteroscopes, and the applications and limitations of these techniques in clinical practice.

Agenda:

1:00 pm-1:15 pm Introduction
 Discuss objectives, indications, methods of assessing uterine cavity -
 understanding of need to have this tool in every Gyn office

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| 1:15pm-1:30pm | Radha Syed, MD Equipment Required for Office Hysteroscopy Ceana Nezhat MD |
| 1:30pm-1:45pm | Complications of Office Hysteroscopy and Operative Hysteroscopy Ceana Nezhat MD |
| 1:45pm-2:00pm | Is Operative Hysteroscopy Feasible in Office? Radha Syed MD |
| 2:00pm-2:15pm | Q&A |
| 2:15pm-4:15pm | Hysteroscopy Skills Workshop Ceana Nezhat, MD and Radha Syed, MD |
| 4:15pm-4:30pm | Q&A Post Workshop |
| 4:30pm | Adjourn |

Didactic Master Course: Updates in Robotics and Robotically-Assisted Surgery

Wednesday, September 25, 2024 • 1:00pm – 4:30pm

With Conference Registration: \$195

Course Only: \$245

Co-Directors: George Melich, MD; Iswanto Sucandy, MD

Faculty: Ahmed Allawi, MD; Riva Das, MD; Salvatore Docimo, DO;

Jacques Fontaine, MD; Kim Phung-Nguyen, MD, PhD; Slawomir Marecik, MD; Alexander

Ramirez, MD; Paul G. Toomey, MD

Description: Robotics represents yet another revolution in the application of minimally invasive techniques to surgery. While conventional videoendoscopic techniques were revolutionary, they were hampered by limited instrument maneuverability and two-dimensional visualization. These technological shortcomings took away the wrist-like motion of the human hand and the depth perception of human eyes and necessitated the design of “new procedures” which were adapted to the technology. Robotics by virtue of wrist-like instrument maneuverability and three-dimensional visualization has returned the advantages of the human wrist and eyes to the field of minimally invasive surgery. A series of presentations by experts in the field will outline the State of the Art in the application of robotics to their specific field in surgery. Robotic technology that is currently available and coming to the marketplace as well as considerations in starting a robotic surgical program and determining what technology is a best fit for the new program or to augment an existing program, as well as considerations for training, credentialing and quality assurance will be discussed.

Objectives: This program will help attendees develop a critical eye to assist them in the adoption of robotics into their practice. Learners will understand the landscape of currently available and soon to be available robotic technology as well as the breadth of applications of these technologies in minimally invasive surgery. Learners will gain insights regarding how to set-up and manage a robotic surgery program, determine what instrumentation best fits their current needs and how to incorporate their first system or additional systems into their program.

Learners will gain insights into requirements for education, training, credentialing, and quality assurance, among other topics.

Agenda:

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| 1:00pm-1:05pm | Welcome and Introduction Iswanto Sucandy, MD |
| 1:05pm-1:25pm | Starting as a New Staff in Community Practice After Fellowship. Sharing my Early Experience Riva Das, MD |
| 1:25pm-1:45pm | New Advances in Robotic Colorectal Surgery Ahmed Allawi, MD, MBChB |
| 1:45pm-2:05pm | How to Build a Robotic Program in Thoracic Oncology Jacques Fontaine, MD |
| 2:05pm-2:25pm | How to Start and Maintain a Successful Independent Practice in General Surgery Paul G. Toomey, MD |
| 2:25pm-2:45pm | Minimally Invasive Techniques for Treatment of Benign Colorectal Diseases Kim Phung-Nguyen, MD, PhD |
| 2:45pm-3:05pm | Complex Robotic Abdominal Wall Reconstruction Salvatore Docimo, DO |
| 3:05pm-3:25pm | Robotic Surgery in Gender Confirmation Surgery Slawomir Marecik, MD |
| 3:25pm-3:45pm | The Role of Robotic Technology in Complex Liver Surgery Iswanto Sucandy, MD |
| 3:45pm-4:05pm | Robotic Learning - from Teaching Surgeons to Teaching Robots Slawomir Marecik, MD and George Melich, MD |
| 4:05pm-4:25pm. | The Role of Robotics in Primary and Redo Bariatric Surgery Alexander Ramirez, MD |
| 4:25pm-4:30pm | Discussion/ Concluding Remarks/ Q&A |