Colon & Rectal Surgery Course: Current Principles and Practice

OCTOBER 8 - 11, 2014

THE DEPOT RENAISSANCE
MINNEAPOLIS HOTEL
225 3rd Ave S., Minneapolis, MN
SAVE THE DATE!
October 22 – 24, 2015

78th Annual
University of Minnesota
Principles of Colon and Rectal Surgery Course
Hyatt Regency Minneapolis
colonrectalcourse.org
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**Colon & Rectal Surgery Course: Current Principles and Practice** is presented by

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We gratefully acknowledge our 2014 supporters!

A complete list of funding to include educational grants and exhibitors will be shared onsite.

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*Listing current as of 9-24-2014.*
WELCOME

Dear friends and colleagues,

On behalf of the Division of Colon and Rectal Surgery at the University of Minnesota, it’s our real pleasure to welcome you to Minneapolis for our 77th Annual Colon & Rectal Surgery Principles Course. We have assembled an outstanding guest faculty and look forward to exploring the current state-of-the-art and emerging concepts of colorectal surgery over the next several days. We view our program as an interactive one, and hope you will provide many comments and questions during the discussion periods. Please take the opportunity to introduce yourself to any of our faculty, particularly if you have specific questions you would like to discuss.

Minneapolis is a vibrant city, and we hope you’ll take the opportunity during your stay to sample some of our fine museums, theaters, music venues and restaurants. Our staff is available throughout the course to help provide suggestions and guidance.

Many thanks again for participating in this year’s course. We are certain the experience will be both enjoyable and educational. Please feel free to speak with us directly if you have any questions or concerns whatsoever.

Sincerely yours,

Robert D. Madoff, M.D.
Course Director
Mark Sun, M.D.
Course Co-Director
It is the policy of the University Of Minnesota Office of Continuing Professional Development to ensure balance, independence, objectivity and scientific rigor in all of its sponsored educational activities. All participating speakers, course directors, and planning committee members are required to disclose to the program audience any financial relationships related to the subject matter of this program. Relationships of spouse/ partner with proprietary entities producing health care goods or services should be disclosed if they are of a nature that may influence the objectivity of the individual in a position to control the content of the activity. Disclosure information is reviewed in advance in order to manage and resolve any possible conflicts of interest. Specific disclosure information for each speaker, course director, and planning committee member will be shared with the audience prior to the speaker’s presentation.

<table>
<thead>
<tr>
<th>Name</th>
<th>Disclosures</th>
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<tbody>
<tr>
<td>John Allen, MD, MBA, AGAF</td>
<td>Consultant: Pentax, Olympus, gMed</td>
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<td>Kenneth Batts, MD</td>
<td>Indicated no financial interests or affiliations</td>
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<tr>
<td>Lilliana Bordeianou, MD</td>
<td>Research/Support: KCI, Royalties: Up to date</td>
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<td>George Chang, MD</td>
<td>Consultant: Ethicon, Grant/Research Support: Agenda</td>
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<td>Jim Chase</td>
<td>Indicated no financial interests or affiliations</td>
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<td>Andre D’Hoore, MD</td>
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<td>Charles Finne, III, MD</td>
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<td>Charles Friel, MD</td>
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<td>Brett Gemlo, MD</td>
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<td>Stanley Goldberg, MD</td>
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<td>Sarah Grahn, MD</td>
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<td>Christine Jensen, MD, MPH</td>
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<td>Alex Khoruts, MD</td>
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<td>Mary Kwaan, MD</td>
<td>Indicated no financial interests or affiliations</td>
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<tr>
<td>Jorge Lagaes-Garcia, MD, FACS, FASCRS</td>
<td>Honoraria: Intuitive Surgical (proctor, speaker) Consultant: Intuitive Surgical (proctor, speaker)</td>
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<td>Ann Lowry, MD</td>
<td>Indicated no financial interests or affiliations</td>
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<td>Arden Morris, MD</td>
<td>Indicated no financial interests or affiliations</td>
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<td>Neil Mortensen, MB, ChB, MA, MD</td>
<td>Indicated no financial interests or affiliations</td>
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<td>Sthela Murad-Regadas, MD</td>
<td>Indicated no financial interests or affiliations</td>
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<td>Marc Osborne, MD</td>
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<td>John Pemberton, MD</td>
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<td>Elizabeth Raskin, MD***</td>
<td>Consultant: Intuitive Surgical, Inc.</td>
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<td>Stephen Rauh, MD</td>
<td>Consultant &amp; Honoraria - Intuitive Surgical Inc</td>
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<td>David Rothenberger, MD</td>
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<td>Ann Seltman, MD</td>
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<td>Bradford Sklow, MD</td>
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<td>Michael Spencer, MD, PhD</td>
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<td>Benjamin Spilseth, MD</td>
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<td>Sharon Stein, MD</td>
<td>Honoraria: Covidien</td>
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<td>Mark Sun, MD**</td>
<td>Indicated no financial interests or affiliations</td>
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<td>Amy Thorsen, MD***</td>
<td>Grant/Research Support: Salix Pharmaceuticals - study participant Honoraria: Medtronic - educational programs</td>
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<td>Judith Trudel, MD</td>
<td>Indicated no financial interests or affiliations</td>
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<td>Todd Tuttle, MD</td>
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<td>Sarah Vogler, MD***</td>
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<td>James Williams, MD</td>
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<td>** Course Co-Director</td>
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Cutting Edge Transanal Surgical Options

Workshop Director: Elizabeth Raskin, M.D.

This one-day workshop will provide you with a comprehensive understanding of the various techniques available for transanal excision of rectal tumors. It will consist of didactic lectures and hands-on training covering history and development, patient assessment, and surgical techniques for minimally invasive excision of rectal tumors.

FACULTY:
Charles Finne, III, M.D. | Stanley Goldberg, M.D. | Christine Jensen, M.D., M.P.H. | Marc Osborne, M.D.
Elizabeth Raskin, M.D. | Stephen Rauh, M.D. | Bradford Sklow, M.D.

EDUCATIONAL OBJECTIVES:
Following this course, participants should be able to:
• Describe the appropriate indications for TEM, TAMIS or TEO
• Demonstrate appropriate technical skills for minimally invasive excision of rectal tumors

ACCREDITATION:
Cutting Edge Transanal Surgical Options Workshop
American Medical Association / PRA
The University of Minnesota is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The University of Minnesota designates this live educational activity for a maximum of 7 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
9:05 - 9:20 am  
Cancer Selection for Local Therapy  
Elizabeth Raskin, M.D.  
Upon completion of this session, participants should be better able to:  
• Describe indications for local therapy for rectal cancer  
• Discuss techniques used for local therapy  
• Explain surveillance required after therapy  

9:20 - 9:35 am  
Future Directions (robotic surgery, etc…)  
Stephen Rauh, M.D.  
Upon completion of this session, participants should be better able to:  
• Discuss the evolving role of robotics in colorectal surgery  
• Distinguish the platforms currently under study for use in transanal surgery  
• Predict the future application of robotics in transanal surgery  

9:35 - 9:40 am  
Introduction to Hands-On Session  
9:40 - 11:30 am  
Hands-On Session 1: TEM/TEO Demonstration  
Hands-On Session 2: TAMIS Demonstration  
11:30 am - 1:00 pm  
Working Lunch  
(Panel Discussion and Videos - Difficult Cases and Complications)  
1:00 - 4:00 pm  
Hands-On Session 1: TEM/TEO Demonstration  
Hands-On Session 2: TAMIS Demonstration

**Exhibitor BINGO**

Spend time with your industry colleagues in the exhibit hall…

**AND WIN!**

In your attendee packet are not one…but **TWO BINGO GAME CARDS.**

Visit the booths indicated on your card and get them “stamped” by each exhibitor. Once your card is full, turn it into the box at the back of the exhibit hall to be eligible to win a prize!

**THREE CHANCES TO WIN!**

Drawings will be held on **Thursday, at 6:00 p.m.** at the Welcome Reception and again on **Friday, at 3:00 p.m.**
**Thursday – October 9**

**6:30 - 7:30 am**  
Meet the Professor Breakfast:  
Robotics in Colorectal Surgery  
Elizabeth Raskin, M.D., Jorge Lagares-Garcia, M.D.  
Location: WJ Quinn

**7:00 - 7:30 am**  
Breakfast / Exhibit Hall

**MINIMALLY INVASIVE SURGERY**  
Moderator: Marc Osborne, M.D.  
Location: Great Hall

**7:30 - 7:45 am**  
Getting Started with Robotics  
Jorge Lagares-Garcia, M.D.  
Upon completion of this session, participants should be better able to:  
- Establish a Team definition in robotic surgery  
- Track the learning curve and outcomes in robotic colorectal surgery  
- Define criteria for patient selection in colorectal robotic surgery

**7:45 - 8:00 am**  
Robotics in CRS: Worth the Price?  
Christine Jensen, M.D., M.P.H.  
Upon completion of this session, participants should be better able to:  
- Detail the postoperative and operative outcomes data for robotic colorectal surgery vs. other approaches  
- Compare the relative costs for robotic colorectal surgery vs. other approaches

**8:00 - 8:15 am**  
Hand Assisted Laparoscopic Surgery: Is There Still a Role?  
Bradford Sklow, M.D.  
Upon completion of this session, participants should be better able to:  
- Determine when hand assisted approach is useful  
- Consider hand assisted approach as alternative to open surgery

**8:15 - 8:30 am**  
Transanal Robotic Surgery: Is This the Future?  
Stephen Rauh, M.D.  
Upon completion of this session, participants should be better able to:  
- Discuss the evolving role of robotics in colorectal surgery  
- Distinguish the da Vinci platforms currently under study for use in transanal surgery  
- Predict the future application of robotics in transanal surgery

**8:30 - 8:45 am**  
Role of Laparoscopy / Robotics in Diverticulitis  
Elizabeth Raskin, M.D.  
Upon completion of this session, participants should be better able to:  
- Identify indications for minimally invasive surgery for diverticular disease  
- Describe advantages of MIS vs. open approach  
- Discuss unique features of robot for diverticular disease surgery

**9:00 - 9:15 am**  
Expanding the Role of Strictureplasty in Crohn’s Disease  
Andre D’Hoore, M.D.  
Upon completion of this session, participants should be better able to:  
- Discuss current surgical techniques of strictureplasty in Crohn’s disease and appreciate the current indications  
- Explain the concept of a new type of strictureplasty over the ileoceleal valve with the aim of sparing bowel in stenosing Crohn’s Disease

**9:15 - 9:30 am**  
Ileoanal Pouch in Crohn’s Disease: Is it Justified?  
Bradford Sklow, M.D.  
Upon completion of this session, participants should be better able to:  
- Determine which patients with Crohn’s disease would benefit from an ileoanal pouch  
- Identify the fact that performing an ileoanal pouch in Crohn’s patients is relatively contraindicated  
- Follow patients closely with Crohn’s disease who have an ileoanal pouch

**9:30 - 10:30 am**  
Consultant Corners: Challenging Cases in IBD  
Bradford Sklow, M.D., Andre D’Hoore, M.D., Neil Mortensen, M.A., M.D., Stanley Goldberg, M.D., Michael Spencer, M.D.

**10:30 - 11:00 am**  
Break / Exhibit Hall

**COLON CANCER I**  
Moderator: James Williams, M.D.  
Location: Great Hall

**11:00 - 11:15 am**  
Future of Colorectal Cancer Screening  
John Allen, M.D., M.B.A.  
Upon completion of this session, participants should be better able to:  
- Describe emerging optical, stool and blood based Colorectal cancer screening modalities  
- List the accuracy and predictive value of the major screening modalities  
- State the relative cost and effectiveness of major colorectal cancer screening modalities
11:15 - 11:30 am Pathways to Colon Cancer
Kenneth Batts, M.D.
Upon completion of this session, participants should be better able to:
• Describe the rationale for testing colorectal tissue for possible Lynch Syndrome
• Discuss the chromosomal instability-related adenoma-carcinoma sequence in the colon and rectum
• Explain the practical aspects of the serrated pathway of colorectal cancer

11:30 - 11:45 am A Practical Approach to Colorectal Cancer Genetics
Robert Madoff, M.D.
Upon completion of this session, participants should be better able to:
• Discuss the diagnosis of familial colorectal cancer syndromes
• Interpret the results of genetic testing for familial colorectal cancer
• Develop a strategy to diagnose suspected familial colorectal cancer

11:45 am - NOON Treating Lynch Syndrome: Segmental Resection or Total Abdominal Colectomy?
Lilliana Bordeianou, M.D.
Upon completion of this session, participants should be better able to:
• Discuss advantages and disadvantages of total abdominal colectomy
• Review supporting evidence for segmental approach vs. total abdominal resection

NOON - 12:30 pm BERNSTEIN INVITED LECTURE
Colorectal Cancer Surgery: Setting the Standards
George Chang, M.D.
Upon completion of this session, participants should be better able to:
• Explain the oncological principles of colon cancer surgery
• Discuss the impact of surgical quality control on outcomes
• Discuss determinants of oncologic outcomes following curative resection of colorectal cancer

12:30 - 1:30 pm Lunch / Exhibit Hall

RECTAL CANCER I
Moderator: Brett Gemlo, M.D.
Location: Great Hall

1:30 - 1:45 pm Imaging of Rectal Cancer: Endorectal Ultrasound
Sthela Murad-Regadas, M.D.
Upon completion of this session, participants should be better able to:
• Demonstrate that the 3D ultrasound is also useful to evaluate the response after neoadjuvant radiochemotherapy, identify residual tumors in rectal wall, lymph nodes and complete response with a high level of accuracy. In addition, 3D US can help in the choice of surgical approach by providing important information on the distance between the tumor and the anal muscle and select patients for sphincter preservation.

1:45 - 2:00 pm Imaging of Rectal Cancer: MRI
Benjamin Spilseth, M.D.
Upon completion of this session, participants should be better able to:
• Explain the current role of MRI in rectal cancer treatment
• Recognize how rectal cancer is staged with MRI

2:00 - 2:15 pm Local Excision for Rectal Cancer: Where Are We Now?
Charles Friel, M.D.
Upon completion of this session, participants should be better able to:
• Identify rectal cancers that may be appropriate for a local excision
• Describe the importance of intensive follow up for patients who have had a local excision
• Describe the differences between a transanal excision and Transanal Endoscopic Microsurgery (TEM)

2:15 - 2:30 pm Techniques of Local Excision: TEM/TAMIS/TEO
Elizabeth Raskin, M.D.
Upon completion of this session, participants should be better able to:
• Discuss indications for local excision
• Describe set-up for TEM/TAMIS/TEO
• Explain technique details of TEM/TAMIS/TEO surgery

2:30 - 2:45 pm Cylindrical APR
Sarah Grahn, M.D.
Upon completion of this session, participants should be better able to:
• Describe the anatomic plans for this procedure
• Explain the benefits of this procedure
• Recognize the drawbacks of this procedure

2:45 - 3:00 pm Closing the Perineal Wound: Mesh, Flap, or Nothing?
Lilliana Bordeianou, M.D.
Upon completion of this session, participants should be better able to:
• Review data supporting methods of perineal wound closure with mesh, flap, nothing
• Review indications for proceeding with complex closures

3:00 - 3:30 pm Break / Exhibit Hall

Thursday – October 9
**Thursday – October 9**

**ANORECTAL**  
 Moderator: Amy Thorsen, M.D.  
 Location: Great Hall

3:30 - 3:45 pm  **Fistula: MRI vs. US**  
 Sthela Murad-Regadas, M.D.

Upon completion of this session, participants should be better able to:  
• Demonstrate the role of endoanal ultrasound and MRI in the preoperative evaluation of anal fistula and choice of appropriate treatment.  
• Analyze the 3D ultrasound modality to identify the entire fistula complex (primary and secondary tract, internal openings and adjacent cavities) and its relation to the sphincter muscles, the exact position of the internal opening in relation to the anal margin and any secondary tracts and/or cavities.  
• Evaluate the usefulness of the 3D ultrasound in evaluating the extent to which the fistulous tract has compromised the sphincter muscles and in calculating the percentage of muscles involved. These measures are used in surgical planning and help prevent fecal incontinence.

3:45 - 4:00 pm  **Anal Fistula: Who Gets What?**  
 Stanley Goldberg, M.D.

Upon completion of this session, participants should be better able to:  
• Discuss the early management of a perianal abscess  
• Discuss the role of a draining seton in the management of fistula-in-ano  
• Discuss the alternative surgical procedures for a complex transsphincteric fistula-in-ano

4:00 - 4:15 pm  **Algorithmic Approach to Rectovaginal Fistula**  
 Ann Lowry, M.D.

Upon completion of this session, participants should be better able to:  
• Discuss the key findings directing treatment plans  
• Describe the options for repair of simple rectovaginal fistulas  
• Counsel patients about the expected outcomes

4:15 - 5:00 pm  **Consultants Corner: Anorectal Disease**  
 Stanley Goldberg, M.D., Ann Lowry, M.D., Andre D’Hoore, M.D., Brett Gemlo, M.D., Charles Finne, M.D.

5:00 - 5:30 pm  **GOLDBERG INVITED LECTURE**  
 The Generation Game - Pouch Salvage and Reconstruction  
 Neil Mortensen, M.A., M.D.

Upon completion of this session, participants should be better able to:  
• Describe why neo-anal pouches fail  
• Appreciate which patients with failing pouches may be suitable for reconstruction  
• Grasp the essential steps in redo surgery for pouches

5:30 - 6:30 pm  **Welcome Reception / Exhibit Hall**

Enjoy good company, drink and food and network with other industry professionals, as we kick off the 77th Annual Course!

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**Friday – October 10**

6:30 - 7:30 am  **Meet the Professor Breakfast 1:**  
 Treating the Difficult Incontinent Patient  
 Amy Thorsen, M.D., Lilliana Bordeianou, M.D.  
 Location: WJ Quinn

6:30 - 7:30 am  **Meet the Professor Breakfast 2:**  
 Anorectal Advice From Stan and Os  
 Stanley Goldberg, M.D., Charles Finne, M.D.  
 Location: AJ Earling

7:00 - 7:30 am  **Breakfast / Exhibit Hall**

**RECTAL CANCER II**  
 Moderator: Bradford Sklow, M.D.  
 Location: Great Hall

7:30 - 7:45 am  **Surgery for Rectal Cancer: What’s the Mission?**  
 Christine Jensen, M.D., M.P.H.

Upon completion of this session, participants should be better able to:  
• Discuss oncologic goals during rectal cancer research including margins, total mesorectal excision and number of nodes  
• Describe typical function after rectal cancer resection

7:45 - 8:00 am  **Debate: Laparoscopic is Best**  
 Sharon Stein, M.D.

Upon completion of this session, participants should be better able to:  
• Describe benefits of laparoscopic proctectomy over open surgery  
• Explain costs of robotic surgery

8:00 - 8:15 am  **Debate: Robotic is Better**  
 Jorge Lagaes-Garcia, M.D.

Upon completion of this session, participants should be better able to:  
• Define improved visualization and ergonomics in robotic colorectal surgery  
• Describe improved outcomes in robotic colorectal surgery in comparison to laparoscopic techniques  
• Describe possible career and practice enhancement offering robotic surgery to the patients

8:15 - 8:30 am  **Debate: Winner and Still Champ - Open**  
 Mary Kwaan, M.D.

Upon completion of this session, participants should be better able to:  
• Define key anatomic landmarks for total mesorectal excision of rectal cancer  
• Define the margins of research for rectal cancer  
• Determine reconstructive options after rectal resection

8:30 - 8:45 am  **Non-operative Strategy After Chemoradiation**  
 George Chang, M.A., M.D.

Upon completion of this session, participants should be better able to:  
• Discuss the impact of treatment response on long term outcomes  
• Describe existing evidence regarding the non-operative approach for rectal cancer

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**Friday – October 10**

7:30 - 8:00 pm  **GOLDBERG INVITED LECTURE**  
 The Generation Game - Pouch Salvage and Reconstruction  
 Neil Mortensen, M.A., M.D.

Upon completion of this session, participants should be better able to:  
• Describe why neo-anal pouches fail  
• Appreciate which patients with failing pouches may be suitable for reconstruction  
• Grasp the essential steps in redo surgery for pouches
8:45 - 9:00 am  Chemoradiation - Where are We and Where Should We Be?  Robert Madoff, M.D.

Upon completion of this session, participants should be better able to:
- Describe the history of the use of neoadjuvant chemoradiation in rectal cancer
- Discuss controversies in the use of neoadjuvant chemoradiation in rectal cancer
- Apply the results of new research when recommending neoadjuvant chemoradiation therapy to patients with locally advanced rectal cancer

9:00 - 9:15 am  Management of Locally Advanced and Recurrent Rectal Cancer  George Chang, M.D.

Upon completion of this session, participants should be better able to:
- Evaluate patients with locally advanced and recurrent rectal cancer
- Describe the role of preoperative imaging and surgical planning
- Discuss surgical considerations for radical resection

9:15 - 9:45 am  Break / Exhibit Hall

COLON CANCER II

Moderator: Michael Spencer, M.D.
Location: Great Hall

9:45 - 10:00 am  Unresectable Metastatic Disease: Should We Resect the Primary?  Sarah Grahn, M.D.

Upon completion of this session, participants should be better able to:
- Discuss treatment options for metastatic colorectal cancer
- Compare and contrast the pros and cons of resecting the primary

10:00 - 10:15 am  Managing Colorectal Cancer in the Young Patient  George Chang, M.D.

Upon completion of this session, participants should be better able to:
- Describe the impact of colorectal cancer in young patients
- Discuss unique features of colorectal cancer in young patients
- Explain the role for molecular studies in young patients

10:15 - 10:30 am  Heated Intraperitoneal Chemotherapy (HIPEC): Why, When and How  Todd Tuttle, M.D.

Upon completion of this session, participants should be better able to:
- Discuss the natural history of peritoneal metastases for colorectal cancer
- Describe treatment options for peritoneal metastases

10:30 - 10:45 am  Colonic Stents: When Should They Be Used?  Charles Friel, M.D.

Upon completion of this session, participants should be better able to:
- List the two best indications for a colonic stent.
- Outline the complications and the concerns with colonic stents.

10:45 - 11:30 am  Consultant Corners: Challenging Cases in Colorectal Cancer  Todd Tuttle, M.D., George Chang, M.D., Sarah Grahn, M.D., Charles Friel, M.D., Robert Madoff, M.D.

11:30 am - NOON  FRYKMAN LECTURE: Transperineal TME  Andre D’Hoore, M.D.

Upon completion of this session, participants should be better able to:
- Explain the actual difficulties in laparoscopic TME surgery
- Describe the concept and surgical technique of transanal TME

NOON - 1:00 pm  Lunch / Exhibit Hall

OUTCOMES

Moderator: Genevieve Melton-Meaux, M.D.
Location: Great Hall

1:00 - 1:15 pm  Fast-Track Protocols: Secrets to Success  Sharon Stein, M.D.

Upon completion of this session, participants should be better able to:
- Discuss benefits of enhanced recovery protocols
- Describe impediments to enhanced recovery protocols

1:15 - 1:30 pm  Reducing Surgical Site Infection  Charles Friel, M.D.

Upon completion of this session, participants should be better able to:
- List at least 3 strategies that can reduce the rate of surgical site infections.
- Identify a surgical site infection and understand the limitations of how surgical sites infections are currently documented.

1:30 - 1:45 pm  Value Based Purchasing, Meaningful Use and Quality Ranking: A Primer for Colorectal Surgeons  Arden Morris, M.D.

Upon completion of this session, participants should be better able to:
- Describe general and specific ways the ACA affects colorectal surgeons
- Explain how hospitals are ranked and why it matters for Value Based Purchasing
- Review tools for tracking relevant aspects of ACA in your practice

1:45 - 2:00 pm  Physician Rankings: Putting it Into Perspective  Jim Chase, M.A.

Upon completion of this session, participants should be better able to:
- Describe the impact quality measurement and public reporting can have on health care outcomes
- Identify the processes and principles that are used in measure development that support care improvement
- Explain how health care payment programs, such as Medicare and Medicaid, are changing to include the measurement of health system and provider performance for quality improvement, public reporting and payment purposes and how these changes will impact practice
2:00 - 2:15 pm  Patient Satisfaction and the Surgeon
       David Rothenberger, M.D.
       
       Upon completion of this session, participants should be better able to:
       • Discuss why CMS, payors and regulatory agencies care about your patient’s satisfaction
       • Describe how patient satisfaction can be measured
       • Meet the expectations of your patients

2:15 - 2:45 pm  MCRF LECTURE: Unpacking Quality Improvement and Accountability in Colorectal Surgery
       Arden Morris, M.D.
       
       Upon completion of this session, participants should be better able to:
       • Distinguish quality improvement and accountability
       • Describe examples of quality improvement vs accountability programs
       • Explain effectiveness and costs of each

2:45 - 3:15 pm  Break / Exhibit Hall

PELVIC FLOOR
   Moderators: Sarah Vogler, M.D., M.B.A., Amy Thorsen, M.D.
   Location: Great Hall

3:15 - 3:30 pm  Patient Specific Repair for Rectal Prolapse
       Sarah Vogler, M.D., M.B.A.
       
       Upon completion of this session, participants should be better able to:
       • Describe the surgical treatment options for pelvic organ prolapse
       • Explain the importance of evaluating the pelvic floor as a whole and determining the best approach for repair of prolapse.

3:30 - 3:45 pm  Ventral Rectopexy
       Andre D’Hoore, M.D., M.B.A.
       
       Upon completion of this session, participants should be better able to:
       • Discuss the concept and surgical technique of laparoscopic ventral rectopexy
       • Describe the functional outcome after ventral rectopexy in regard to incontinence and obstructed defecation in rectal prolapse patients

3:45 - 4:00 pm  Rectocele
       Sthela Murad-Regadas, M.D.
       
       Upon completion of this session, participants should be better able to:
       • Demonstrate accurate dynamic methods to evaluate rectocele and combined dysfunctions related to obstructed defecation syndrome.
       • How to select patients with significant rectocele for surgical treatment.
       • Analyze factors influencing the outcomes in surgical treatment for significant rectocele

4:00 - 4:15 pm  An Algorithmic Approach to Fecal Incontinence
       Ann Lowry, M.D.
       
       Upon completion of this session, participants should be better able to:
       • Discuss the non-surgical options for treatment
       • Describe the key components of evaluation
       • List the treatment options for patients depending upon their symptoms and findings
       • Identify new developments in the field

4:15 - 4:30 pm  Sacral Nerve Stimulation
       Amy Thorsen, M.D.
       
       Specific learning objectives will be conveyed to the learners at the beginning of this session.

4:30 - 5:30 pm  Consultant’s Corner: Pelvic Floor Disorders
       Ann Lowry, M.D., Amy Thorsen, M.D., Andre D’Hoore, M.D., Lilliana Bordeianou, M.D., Sthela Murad-Regadas, M.D.
Saturday - October 11

9:15 - 9:30 am  Fulminant C.Diff Colitis: When to Operate and What to Do  
Ann Seltman, M.D.

Upon completion of this session, participants should be better able to:
• Explain pathophysiology of c.diff colitis
• Discuss the breadth of options for medical therapy in c.diff colitis
• Explain the indications for surgery in c.diff colitis and when to apply various surgical technique

9:30 - 9:45 am  Prolonged DVT Prophylaxis: Who Needs It and What Should We Use?  
Bradford Sklow, M.D.

Upon completion of this session, participants should be better able to:
• Determine which patients need prolonged DVT prophylaxis following colorectal surgery.
• Discuss the fact that 30% of patients develop a VTE post-discharge from the hospital
• Describe the risk of VTE by noting that it is significant in cancer patients and IBD patients for up to 4 weeks post-operatively

9:45 - 10:00 am  Modern Surgery for Endometriosis  
Andre D'Hoore, M.D.

Upon completion of this session, participants should be better able to:
• Describe the role of colorectal surgery in the multidisciplinary treatment of deep pelvic endometriosis
• Explain the outcome and quality parameters in surgery for endometriosis

10:00 - 10:15 am  Anal Dysplasia: Where Does High Resolution Anoscopy Fit In?  
Robert Madoff, M.D.

Upon completion of this session, participants should be better able to:
• Identify the risk of anal dysplasia and malignancy in high risk populations
• Describe anal cancer screening and surveillance strategies
• Explain basic principles of high definition anal microscopy

10:15 - 10:45 am  Break / Registration Foyer

10:45 - 11:00 am  Low Grade Dysplasia: Should You Operate?  
Genevieve Melton-Meaux, M.D.

Upon completion of this session, participants should be better able to:
• Describe the incidence and known epidemiology of dysplasia with colitis
• Reinforce clear indications for surgery in the setting of dysplasia and colitis

11:00 - 11:15 am  Fulminant Colitis: Medical vs. Surgical Management  
Marc Osborne, M.D.

Upon completion of this session, participants should be better able to:
• Define fulminant colitis and describe the natural history
• Describe the surgical options for treatment of fulminant colitis and associated morbidity and expected outcomes
• Describe the medical management options for treatment of fulminant colitis and expected outcomes

11:15 - 11:30 am  Technical Tips To Creating the Perfect Pouch!  
John Pemberton, M.D.

Upon completion of this session, participants should be better able to:
• Describe the incidence and presentation of colorectal cancer in IBD
• Have alternative plans for dealing with pouch construction problems

11:30 - 11:45 am  Ileoanal Pouch Outcomes  
Mark Sun, M.D.

Upon completion of this session, participants should be better able to:
• Discuss functional outcomes after ileoanal pouch surgery
• Discuss long term pouch retention rates

11:45 am - NOON  Colorectal Cancer in IBD: Is a Pouch Still an Option?  
Neil Mortensen, M.A., M.D.

Upon completion of this session, participants should be better able to:
• Appreciate the incidence and presentation of colorectal cancer in IBD
• Discuss the special and additional problems combining oncological treatment and pouch surgery
• Identify appropriate indications for pouch surgery in IBD cancer
Innovations in Pelvic Floor Evaluation and Treatment

Workshop Director: Amy J. Thorsen, M.D. | Assistant Director: Sarah A. Vogler, M.D., M.B.A.

This full day workshop highlights the current clinical uses of endorectal and pelvic floor ultrasonography and MRI. The workshop consists of didactic lectures, videos, patient cases and hands-on instruction using teaching models.

FACULTY:
Lilliana Bordeianou, M.D. | Charles O. Finne III, M.D. | Ann Lowry, M.D. | Sthela Murad-Regadas, M.D.
Bradford Sklow, M.D. | Amy Thorsen, M.D. | Sarah Vogler, M.D., M.B.A.

EDUCATIONAL OBJECTIVES:
Following this course, participants should be able to:
- Outline current diagnostic uses of endorectal and female pelvic floor ultrasonography
- Demonstrate appropriate use of equipment for selected ultrasound applications
- Outline current diagnostic uses of endorectal, ultrasonography and MRI

ACCREDITATION:
American Medical Association / PRA

The University of Minnesota is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The University of Minnesota designates this live educational activity for a maximum of 6.75 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

7:00 - 7:30 am Registration and Breakfast
7:30 - 7:35 am Welcome and Remarks
Amy Thorsen, M.D.
7:35 - 7:40 am Introduction: Evaluation of Pelvic Floor Disorders
Amy Thorsen, M.D.
7:40 - 8:00 am The Multidisciplinary Approach to Pelvic Floor Disorders (What is a PFC?)
Ann Lowry, M.D.

Upon completion of this session, participants should be better able to:
- Describe frequency of dual incontinence and combined pelvic floor prolapse
- Explain the testing
- Discuss the benefits of combined evaluation

8:00 - 8:20 am Is Pelvic Floor Testing Useful? (Anorectal Manometry, EMG, Pudendal Nerve Latency)
Lilliana Bordeianou, M.D.

Upon completion of this session, participants should be better able to:
- Discuss indications for anorectal manometry testing and how to interpret it
- Discuss indications for EMG and its utility
- Discuss pros and cons of PNTMLs

8:20 - 8:40 am Utilizing and Interpreting MRI & Fluoroscopic Defecography
Sarah Vogler, M.D., M.B.A.

Upon completion of this session, participants should be better able to:
- Discuss the preparation and setup for each type of defecography
- Recognition the radiologic measurements performed during defecography
- Correlate the radiological findings on defecography with clinical symptoms and subsequent treatment

8:40 - 8:50 am Introduction: Versatility of Ultrasound
Amy Thorsen, M.D.
Specific learning objectives will be conveyed to the learners at the beginning of this session.

8:50 - 9:10 am Basics of Ultrasounding and Evaluation of the Anal Sphincter
Charles Finne, III, M.D.

Upon completion of this session, participants should be better able to:
- Improve the quality of their ultrasonographic images by making appropriate adjustments in the use of the equipment
- Recognize what to look for in the images and identify artifacts
- Describe standard technique related to sphincter imaging
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
<th>Specific Learning Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:10 - 9:30 am</td>
<td>Tips and Tricks for Finding Fistulas</td>
<td>Amy Thorsen, M.D.</td>
<td><em>Specific learning objectives will be conveyed to the learners at the beginning of this session.</em></td>
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<td>9:30 - 9:50 am</td>
<td>Endorectal Ultrasound Staging of Rectal Cancer</td>
<td>Sarah Vogler, M.D., M.B.A.</td>
<td><em>Upon completion of this session, participants should be better able to:</em></td>
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<td>- Describe the setup for performing endorectal ultrasound to stage rectal cancer</td>
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<td>- Explain how to determine tumor T-stage using endorectal ultrasound</td>
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<td>- Discuss the limitations and intricacies of performing endorectal ultrasound to stage rectal cancer</td>
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<td>- Describe how to identify enlarged mesorectal lymph nodes by endorectal ultrasound</td>
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<td>9:50 - 10:10 am</td>
<td>Dynamic Ultrasound Imaging of Pelvic Floor Prolapse</td>
<td>Sthela Murad-Regadas, M.D.</td>
<td><em>Upon completion of this session, participants should be better able to:</em></td>
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<td>- Demonstrate what ultrasound imaging can contribute to the diagnostic work-up of patients with pelvic floor prolapse</td>
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<td>- Show 3-D dynamic ultrasonography technique to evaluate dysfunctions related to obstructed defecation syndrome (rectocele, intussusception, anismus, sigmoidocele/enterocele and perineal descent)</td>
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<td>- Evaluate the levator hiatus, biometric indices and identify the levator ani muscle defect in order to understand better the dysfunctions and improve the management of the patients</td>
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<td>10:10 - 10:30 am</td>
<td>Break</td>
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<tr>
<td>10:30 - 10:40 am</td>
<td>Introduction: Redefining the Fecal Incontinence Treatment Algorithm</td>
<td>Amy Thorsen, M.D.</td>
<td><em>Specific learning objectives will be conveyed to the learners at the beginning of this session.</em></td>
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<tr>
<td>10:40 - 11:00 am</td>
<td>Sacral Neuromodulation: Is it All in the Patient’s Head?</td>
<td>Lilliana Bordeianou, M.D.</td>
<td><em>Upon completion of this session, participants should be better able to:</em></td>
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<td>- Discuss known mechanisms of action of Sacral Nerve Stimulation</td>
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<td>11:00 - 11:20 am</td>
<td>Injection/Bulking Therapy: Simple and Sustainable?</td>
<td>Amy Thorsen, M.D.</td>
<td><em>Specific learning objectives will be conveyed to the learners at the beginning of this session.</em></td>
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<td>11:20 - 11:40 am</td>
<td>Old &amp; New: Sphincteroplasty, Magnetic Sphincter and ABS</td>
<td>Ann Lowry, M.D.</td>
<td><em>Upon completion of this session, participants should be better able to:</em></td>
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<td>- Counsel patients regarding the indications, short and long term results of sphincteroplasty</td>
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<td>- Discuss the changing indications for sphincteroplasty</td>
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<td>- Describe the alternative sphincter replacement options</td>
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<td>11:40 am - 12:15 pm</td>
<td>Panel: Interesting Cases and Questions All</td>
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<td>12:15 - 12:45 pm</td>
<td>Lunch</td>
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<td>12:45 - 1:00 pm</td>
<td>Bus to Pelvic Floor Center</td>
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<td>1:00 - 1:30 pm</td>
<td>Arrive at Pelvic Floor Center and Split Into Groups</td>
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<td>1:30 - 4:10 pm</td>
<td>Rotating Through Stations</td>
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<td>1) 3D Endoanal Ultrasound - Charles Finne, M.D.</td>
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<td>2) 3D Endorectal Ultrasound - Bradford Sklow, M.D.</td>
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<td>3) 3D Pelvic Floor Ultrasound - Sthela Murad-Regadas, M.D.</td>
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<td>4) Manometry, EMG and Pudendal Nerve Testing - Lilliana Bordeianou, M.D.</td>
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<td>5) Fluoroscopic Defecography - Ann Lowry, M.D.</td>
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<td>6) Radiographic Landmarks and PNE Testing for Sacral Neuromodulation - Sarah Vogler, M.D., M.B.A.</td>
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<td>7) Solesta - Amy Thorsen, M.D.</td>
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<td>4:15 - 4:30 pm</td>
<td>Wrap-up</td>
<td>Amy Thorsen, M.D.</td>
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<td>4:30 - 4:45 pm</td>
<td>Bus Departs for Hotel</td>
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