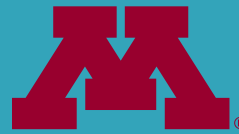


77TH ANNUAL COURSE



University of Minnesota

Colon & Rectal Surgery Course: Current Principles and Practice

OCTOBER 8 - 11, 2014

FINAL PROGRAM



**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

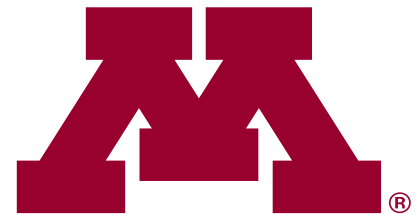
Hyatt Regency Minneapolis

colonrectalcourse.org

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Colon & Rectal Surgery Course: Current Principles and Practice is presented by



We gratefully acknowledge our 2014 supporters!

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UNIVERSITY
OF MINNESOTA
Medical School

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

GUEST FACULTY

John Allen, MD, MBA, AGAF, Yale University, New Haven, CT

Lilliana Bordeianou, MD, Massachusetts General Hospital, Boston, MA

George Chang, MD, The University of Texas - MD Anderson Cancer Center, Houston, TX

Jim Chase, MN Community Measurement, Minneapolis, MN

Andre D'Hoore, MD, University Hospitals Leuven, Leuven, Belgium

Charles Friel, MD, University of Virginia, Charlottesville, VA

Jorge Lagares-Garcia, MD, Charleston Colorectal Surg, Charleston, SC

Arden Morris, MD, University of Michigan Health System, Ann Arbor, MI

Neil Mortensen, MA, MD, MBChB, John Radcliffe Hospital, Oxford, United Kingdom

Sthela Murad-Regadas, MD, Federal University of Ceara School of Medicine, Ceara, Brazil

John Pemberton, MD, Mayo Clinic, Rochester, MN

Stephen Rauh, MD, University of Rochester Medical Center, Rochester, NY

Sharon Stein, MD, University Hospital, Case Medical Center, Cleveland, OH

HOST FACULTY

Professor and Chief

Robert D. Madoff, M.D., Professor of Surgery and Chief, Division of Colon and Rectal Surgery, Stanley M. Goldberg, M.D., Chair in Colon and Rectal Surgery University of Minnesota

Professor

David A. Rothenberger, M.D.
Jay Phillips Professor and Chairman
Department of Surgery University of Minnesota

Kenneth Batts, MD

Charles Finne, III, MD

Brett Gemlo, MD

Stanley Goldberg, MD

Sarah Grahn, MD

Christine Jensen, MD, MPH

Alex Khoruts, MD

Mary Kwaan, MD

Ann Lowry, MD

Genevieve Melton-Meaux, MD

Marc Osborne, MD

Elizabeth Raskin, MD

David Rothenberger, MD

Ann Seltman, MD

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Judith Trudel, MD

Todd Tuttle, MD

Sarah Vogler, MD, MBA

James Williams, II, MD

COURSE DIRECTOR

Robert D. Madoff, M.D., Professor of Surgery, University of Minnesota

COURSE CO-DIRECTOR

Mark Sun, M.D., Clinical Assistant Professor University of Minnesota

ACCREDITATION

Colon & Rectal Surgery Principles Course
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 19.75 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

AUDIENCE

This annual conference and optional workshops are geared toward general surgeons, colon & rectal surgeons, gastroenterologists, nurses, nurse practitioners and physician assistants.

CONFERENCE LOCATION

The Depot Renaissance Minneapolis Hotel
225 South 3rd Avenue
Minneapolis, MN 55401

(866) 211-4611

www.thedepotminneapolis.com

FACULTY DISCLOSURE OF FINANCIAL RELATIONSHIPS

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.

John Allen, MD, MBA, AGAF

Consultant: Pentax, Olympus, gMed

Kenneth Batts, MD

Indicated no financial interests or affiliations

Lilliana Bordeianou, MD

Research/Support: KCI

Royalties: Up to date

George Chang, MD

Consultant: Ethicon

Grant/Research Support: Agendia

Jim Chase

Indicated no financial interests or affiliations

Andre D'Hoore, MD

Indicated no financial interests or affiliations

Charles Finne, III, MD

Indicated no financial interests or affiliations

Charles Friel, MD

Indicated no financial interests or affiliations

Brett Gemlo, MD

Indicated no financial interests or affiliations

Stanley Goldberg, MD

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Sarah Grahn, MD

Indicated no financial interests or affiliations

Christine Jensen, MD, MPH

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Alex Khoruts, MD

Indicated no financial interests or affiliations

Mary Kwaan, MD

Indicated no financial interests or affiliations

Jorge Lagares-Garcia, MD, FACS, FASCRS

Honoraria: Intuitive Surgical (proctor, speaker)

Consultant: Intuitive Surgical (proctor, speaker)

Ann Lowry, MD

Indicated no financial interests or affiliations

Robert Madoff, MD*

Consultant: Torax Medical & Tsumura USA

Data Safety Monitoring

BOD Member: LifeBond Ltd

Genevieve Melton-Meaux, MD

Grant: NIH, AHRQ, American Surgical Association. FT/PT Emp: St. Jude Medical (spouse).

Expert witness: Materials & person.

Board Member: American Board of Preventative Medicine.

Arden Morris, MD

Indicated no financial interests or affiliations

Neil Mortensen, MB, ChB, MA, MD

Indicated no financial interests or affiliations

Sthela Murad-Regadas, MD

Indicated no financial interests or affiliations

Marc Osborne, MD

Indicated no financial interests or affiliations

John Pemberton, MD

Indicated no financial interests or affiliations

Elizabeth Raskin, MD***

Consultant: Intuitive Surgical, Inc.

Stephen Rauh, MD

Consultant & Honoraria - Intuitive Surgical Inc

David Rothenberger, MD

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Ann Seltman, MD

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Sharon Stein, MD

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Grant/Research Support: Salix Pharmaceuticals - study participant

Honoraria: Medtronic - educational programs

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Indicated no financial interests or affiliations

Todd Tuttle, MD

Indicated no financial interests or affiliations

Sarah Vogler, MD***

Consultant: Medtronics

James Williams, MD

Indicated no financial interests or affiliations

* Course Director

** Course Co-Director

*** Workshop Director

WEDNESDAY – OCTOBER 8

Pre-Course Workshop: Separate Registration Required

Location: Rock Island & Soo Line

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.

7:00 - 7:30 am **Registration and Breakfast**

7:30 - 7:35 am **Welcome and Remarks**
Elizabeth Raskin, M.D.

7:35 - 7:50 am **History of Transanal Surgery**
Stanley Goldberg, M.D.

Upon completion of this session, participants should be better able to:

- Describe the technique of transanal excision of a large villous tumor using various equipment
- Discuss the place of posterior proctotomy in the management of rectal cancer in 2014
- Describe the benefits and indications of endocavitary radiation in rectal cancer

7:50 - 8:05 am **Introduction to TEM: Instrumentation and Technique**
Bradford Sklow, M.D.

Upon completion of this session, participants should be better able to:

- Demonstrate proper positioning on the OR table for performing TEM
- Describe the instrumentation used in TEM/TEO
- Discuss basic technique of performing TEM

8:05 - 8:20 am **Introduction to TAMIS: Instrumentation and Technique**
Marc Osborne, M.D.

Upon completion of this session, participants should be better able to:

- Identify the commercially available and necessary instrumentation to perform TAMIS
- Outline the basic steps to a TAMIS procedure

8:20 - 8:35 am **Suturing Techniques**
Charles Finne, III, M.D.

Upon completion of this session, participants should be better able to:

- Close rectal defects with TEM instrumentation
- Use an available device for suturing through the TEM scope

8:35 - 8:50 am **Break**

8:50 - 9:05 am **TEM/TAMIS for Benign Disease**
Christine Jensen, M.D., M.P.H.

Upon completion of this session, participants should be better able to:

- Compare benefits and drawbacks of TEM/TAMIS vs. transanal excision for benign disease
- Discuss appropriate preoperative approach.

WEDNESDAY – OCTOBER 8

Pre-Course Workshop: Separate Registration Required

Location: Rock Island & Soo Line

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...

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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.**

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

IBD I

Moderator: Judith Trudel, M.D.
Location: Great Hall

8:45 - 9:00 am **Re-operative Crohn's Disease**
Neil Mortensen, M.A., M.D.

- Upon completion of this session, participants should be better able to:
- Discuss the indications for reoperative surgery in Crohn's Disease
 - Recognize the special vulnerability of the patients
 - Describe the appropriate conditions for anastomosis

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 ileocaecal 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 the role of endorectal ultrasound in staging rectal tumors, identify perirectal lymph node enlargement and select patients for surgery or to neoadjuvant radiochemotherapy.
- Analyze the 3D modality to measure tumor length and volume, the distance between the distal margin of the tumor to proximal margin of the anal sphincter muscles and determine the distal margin and the closest predicted radial tumor-mesorectal margin.

- 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

Friday – October 10

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!

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 Lagares-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.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

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 Grahm, 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 Grahm, 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.

7:15 - 8:15 am **Meet the Professor Breakfast 1: Complicated IBD**
Neil Mortensen, M.A., M.D., John Pemberton, M.D.
Location: AJ Earling

7:15 - 8:15 am **Meet the Professor Breakfast 2: Multivisceral Resection for Colorectal Cancer**
Robert Madoff, M.D., George Chang, M.D.
Location: WJ Quinn

7:45 - 8:15 am **Breakfast / Registration Foyer**

BENIGN

Moderator: Mark Sun, M.D.

Location: Great Hall

8:15 - 8:30 am **Evidence Based Treatment of Diverticulitis**
Arden Morris, M.D.

Upon completion of this session, participants should be better able to:

- Review the pathophysiology and natural history of diverticulitis
- Review the evidence supporting non-operative management
- Discuss operative timing, considerations, and outcomes

8:30 - 8:45 am **Does BMI Affect Outcomes in Colorectal Surgery?**
Mary Kwaan, M.D.

Upon completion of this session, participants should be better able to:

- Define measures of obesity
- Describe correlation of obesity measures with surgical site infection, complications and mortality
- Assess efficiency of weight loss programs on improvement of outcomes after colorectal surgery

8:45 - 9:00 am **Parastomal Hernia: Should We Be Using Prophylactic Mesh?**
Sharon Stein, M.D.

Upon completion of this session, participants should be better able to:

- Describe risks of hernia in patients with stomas
- Discuss with patients benefits/risks of mesh use during stoma creation

9:00 - 9:15 am **Fecal Transplantation: Indications and Results**
Alex Khoruts, M.D.

Upon completion of this session, participants should be better able to:

- Define severe and complicated C. difficile infection
- Discuss current FDA regulation of fecal microbiota transplantation
- Describe the current data on FMT in acute management of C. difficile infection

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**

IBD II

Moderator: Ann Seltman, M.D.

Location: Great Hall

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
- Delineate areas of controversy with 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

SATURDAY - OCTOBER 11

Post Course Workshop: Separate Registration Required
Location: Hiawatha 1 & 2, Pelvic Floor Center, Minneapolis

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
- Recognize 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

SATURDAY - OCTOBER 11

Post Course Workshop: Separate Registration Required
Location: Hiawatha 1 & 2, Pelvic Floor Center, Minneapolis

9:10 - 9:30 am **Tips and Tricks for Finding Fistulas**

Amy Thorsen, M.D.

Specific learning objectives will be conveyed to the learners at the beginning of this session.

9:30 - 9:50 am **Endorectal Ultrasound Staging of Rectal Cancer**

Sarah Vogler, M.D., M.B.A.

Upon completion of this session, participants should be better able to:

- Describe the setup for performing endorectal ultrasound to stage rectal cancer
- Explain how to determine tumor T-stage using endorectal ultrasound
- Describe how to identify enlarged mesorectal lymph nodes by endorectal ultrasound
- Discuss the limitations and intricacies of performing endorectal ultrasound to stage rectal cancer

9:50 - 10:10 am **Dynamic Ultrasound Imaging of Pelvic Floor Prolapse**

Sthela Murad-Regadas, M.D.

Upon completion of this session, participants should be better able to:

- Demonstrate what ultrasound imaging can contribute to the diagnostic work-up of patients with pelvic floor prolapse
- Show 3-D dynamic ultrasonography technique to evaluate dysfunctions related to obstructed defecation syndrome (rectocele, intussusception, anismus, sigmoidocele/enterocele and perianal descent)
- 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

10:10 - 10:30 am **Break**

10:30 - 10:40 am **Introduction: Redefining the Fecal Incontinence Treatment Algorithm**

Amy Thorsen, M.D.

Specific learning objectives will be conveyed to the learners at the beginning of this session.

10:40 - 11:00 am **Sacral Neuromodulation: Is it All in the Patient's Head?**

Lilliana Bordeianou, M.D.

Upon completion of this session, participants should be better able to:

- Discuss known mechanisms of action of Sacral Nerve Stimulation
- Review theory of neuromodulation

11:00 - 11:20 am **Injection/Bulking Therapy: Simple and Sustainable?**

Amy Thorsen, M.D.

Specific learning objectives will be conveyed to the learners at the beginning of this session.

11:20 - 11:40 am **Old & New: Sphincteroplasty, Magnetic Sphincter and ABS**

Ann Lowry, M.D.

Upon completion of this session, participants should be better able to:

- Counsel patients regarding the indications, short and long term results of sphincteroplasty
- Discuss the changing indications for sphincteroplasty
- Describe the alternative sphincter replacement options

11:40 am - 12:15 pm **Panel: Interesting Cases and Questions** All

12:15 - 12:45 pm **Lunch**

12:45 - 1:00 pm **Bus to Pelvic Floor Center**

1:00 - 1:30 pm **Arrive at Pelvic Floor Center and Split Into Groups**

1:30 - 4:10 pm **Rotating Through Stations**

- 1) 3D Endoanal Ultrasound - Charles Finne, M.D.
- 2) 3D Endorectal Ultrasound - Bradford Sklow, M.D.
- 3) 3D Pelvic Floor Ultrasound - Sthela Murad-Regadas, M.D.
- 4) Manometry, EMG and Pudendal Nerve Testing - Lilliana Bordeianou, M.D.
- 5) Fluoroscopic Defecography - Ann Lowry, M.D.
- 6) Radiographic Landmarks and PNE Testing for Sacral Neuromodulation - Sarah Vogler, M.D., M.B.A.
- 7) Solesta - Amy Thorsen, M.D.

4:15 - 4:30 pm **Wrap-up** Amy Thorsen, M.D.

4:30 - 4:45 pm **Bus Departs for Hotel**

