COLON AND RECTAL SURGERY

RESEARCH CENTER

2007
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About Us
Diseases of colon and rectum affect 50-60% of the population and result in billions of dollars of health care expenditures per year. Colorectal cancer is the second leading cause of cancer death.
among men in this country and third among women in the U.S, and is the leading cause of death from gastrointestinal cancers. Over one million people currently are alive in the USA with active or treated colorectal cancer. Crohn’s disease and Ulcerative Colitis affect an estimated two million Americans. Millions of patients each year are treated for routine and complex diseases of the anal region such as hemorrhoids and infections. Technological advances in diagnosis, surgical techniques, new medications and other basic sciences have contributed to the transformation of many aspects of the way colorectal diseases are managed today.

Since the formation of a Colon and Rectal Surgical unit in 2001 and an Inflammatory Bowel Disease Center at NYPH-WMC in 2006, our institution is now creating a Digestive Diseases Center of Excellence encompassing new diagnostic tools and therapy for all aspects of gastrointestinal diseases.

Integral to this Center is the development of the Colorectal Research Center, poised to translate and develop the newest discoveries into clinical practice. In this era of rapid development of clinical, diagnostic and basic science research, we intend to maintain a leadership position through our clinical, research and education programs.

**Purpose/Mission:**
- Our primary mission is to improve curative therapies and to lessen the suffering and risk for patients being treated for colon and rectal diseases
- To integrate basic science with clinical science and make significant contributions to advances in colorectal research that are key to understanding, preventing, medically and surgically treating colorectal diseases.

**Vision**
- Our vision is in accordance with the medical school and hospital vision for Excellence in clinical care of patients, with simultaneous continuous advancements in research and education
- Vision in accordance with national and international guidance for Good Clinical Practice (GCP)
- To permit all colorectal patients to receive the best possible care based on scientific research and latest technologies.
- To develop a Colon and Rectal Research Center of Excellence in a community and region where the latest technology, expert knowledge and competencies are shared and made accessible for all colorectal patients;
- Our Center will be integrated into the Digestive Diseases Center for a coordinated contribution to the community, keeping under control colorectal cancer and other colorectal diseases, systematically reducing their incidence and eventually eradicating them.

**Objectives:**
- Our objective is to develop a strong Colorectal Research Program with focus on
  - Patient care
  - Research
  - Education
  - Develop, apply and promote a multidisciplinary research team approach within the Digestive Diseases Center, and the Medical Center and College

**Focus of Colorectal Research Program:**
Patient Care

- To apply the latest technologies to the care of patients in an effort to improve outcomes after colon and rectal surgical therapies
- Continuous monitoring and improving our clinical practice, consistently follow postoperative complications and research, develop and apply new methods to reduce them to minimum
- Construct a strong and valuable colorectal data base that is continuously developed and maintained and will serve as basis for future colorectal clinical research studies
- Developing image (picture) data base that will serve as an additional tool for diagnosis and documentation; facilitate patient follow up care and research; improve patient care by enhancing communication between patient, physicians and insurance companies
- Increasing the accuracy of the data base and the efficiency for maintaining it by developing a network with other database centers (like tumor registries)
- Work closely with other specialties like gastroenterology, medical and radiation oncology, pathology

Research Projects - major aspects

Technological

- Development and testing of new surgical technologies and techniques for colorectal diseases.
- Development and testing of new surgical devices used in open and laparoscopic surgical treatment of colorectal diseases.
- Multimodal treatment of Colorectal diseases
- Development and testing of new screening technologies for colorectal Disease.
- Developing intraoperative imaging system

Clinical Trials

- Conducting different types of clinical trials for IBD and Colorectal cancer
- Participating in NIH sponsored multiinstitutional clinical trials for prevention and treatment of colorectal diseases

Investigator Initiated Research Projects

Multidisciplinary Team Research Projects

- Conducting multidisciplinary research projects with research teams from basic and clinical science involved in the prevention, diagnosis and treatment of colorectal diseases
- Multimodal treatment of Colorectal diseases

Our Research Team

(names will be linked to the research profile of each investigator)
**Fabrizio Michelassi, MD**  
Lewis Atterbury Stimson Professor of Surgery and Chairman  
Surgeon-in-Chief  
Department of Surgery  
Weill Cornell Medical College

**Jeffrey Milsom, MD**  
Jerome J. DeCosse M.D. Distinguished Professor of Surgery  
Chief, Colon and Rectal Surgery, Research Director  
Weill Cornell Medical College

**Toyooki Sonoda, MD**  
Assistant Professor  
Colon and Rectal Surgery  
Weill Cornell Medical College

**Sang Lee, MD**  
Assistant Professor  
Colon and Rectal Surgery  
Weill Cornell Medical College

**Kevin Peter Morrissey, MD**  
Clinical Associate Professor of Surgery  
Weill Cornell Medical College

**Koiana Trencheva, RN, BSN**  
Research Manager  
Colon and Rectal Surgery Research  
Weill Cornell Medical College- New York Presbyterian Hospital

**Aijun Li, RN**  
Research Nurse  
Colon and Rectal Surgery Research  
Weill Cornell Medical College- New York Presbyterian Hospital

**Yuko Tonohira**  
Medical Illustrator  
Colon and Rectal Surgery Research  
Weill Cornell Medical College

**Our Research Fellows**

**Dr. Sushil Pandey**  
Colon and Rectal Surgery Research
Our Research Structure
Our Achievements for the last five years
The colorectal research section is devoted to the pursuit of excellence in all aspects of the treatment, research, and education programs in colonic, rectal, and anal diseases. The colorectal surgery section at WMC has the unique position of being one of the few units in the world, which treats the majority of its patients requiring surgery using Laparoscopic methods, and uses “hi-tech” methods in nearly all of its patients. The section is an integral part of the Minimal Access Surgery Center at NYPH, and uses advanced technology on a routine basis in the treatment of colon and rectal cancers, inflammatory bowel diseases (Crohn’s disease and ulcerative colitis), diverticulitis, and other major problems related to the intestines. Over the past three years, the colorectal research section has increased significantly its presence at national and international meetings in the publication of peer reviewed articles, book chapters, videos, and invited articles and became an important part of the colorectal surgery.

- Over 80% of our patients requiring major surgery undergo the Laparoscopic method, as compared to less than 10% of patients around the country.
- More than 30 research projects have conducted for the last 3 years.
- New method of combined laparoscopy with CO2 colonoscopy was implemented as routine treatment
- The section produced over 15 original articles, 17 book chapters, 14 videos, and invited journal articles. Presentations of original works occurred at multiple national meetings and over 10 international meetings, including in Japan, England, Turkey, Spain, Italy, Saudi Arabia, Dubai, Qatar, Hong Kong, China, Singapore, India, Brazil, and Australia.
- Four pelvic Anatomy courses and 8 Laparoscopic Colon Courses were conducted for surgeons
- The Colorectal Research Group has been researching new anastomotic device from NiTi Medical Technologies.

Finally, we are continuing to develop our “hi-tech” approach to surgery in colorectal patients with laboratory projects, which attempt to refine the use of stapling instruments in anastomosis of the large bowel. We have held acute experiments on several new stapling instruments, which are computer-driven with Power Medical Inc. (New Hope, PA). With them, we are looking into new tools using endoluminal approaches to bowel surgery, and are already using some of these products in our clinical cases. We plan to greatly increase our laboratory studies in this arena over the next year. In addition, we are actively engaged with the Olympus Corp (Tokyo, Japan) in the development of better image processing in the operating room, refining laparoscopy, and in the use of more advanced tools for use via the colonoscope to perform surgical procedures in combination with laparoscopy.

| Current Research Projects |
Over the last three years the research section has conducted more than 30 projects. Recently the Colorectal Research group has more than 15 ongoing research projects, two of which are multi-center trials and some of which are combined projects with our counterpart at Columbia University Colorectal Surgery Section.

<table>
<thead>
<tr>
<th><strong>Prospective Studies</strong></th>
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**A Prospective Randomized Study Comparing Hand Access Laparoscopic Colon Surgery (HALS) Versus the Standard Laparoscopic Approach (SLS) for Colorectal Disease**

**PI: Jeffrey Milsom, MD**

This is a multicenter prospective, randomized controlled clinical trial involving 5 centers. Dr. Jeffrey Milsom is the primary investigator at the Cornell site.

**Purpose and Objectives**

- The purpose of this clinical investigation is to compare Hand Access Laparoscopic Surgery (using the GelPort hand access device from Applied Medical) to Standard Laparoscopic Surgery in the treatment of colorectal diseases.

- To evaluate the benefits of hand access laparoscopy compared to standard laparoscopy by assessing intraoperative and postoperative parameters, including operative time, rate of conversion to open, length of stay, pain, and activity.

- The purpose of this study is to show that use of HALS will result at least a thirty-minute savings in operating room time compared to SLS with similar outcomes otherwise.

**Prospective Evaluation of Combined Laparoscopy with CO2 Intraoperative Colonoscopy Treatment for Colorectal Lesions**

**PI: Jeffrey Milsom, MD**

**Purpose and Objectives**

The purpose of this study is to evaluate prospectively the usefulness of IC-CO2 in our colon and rectal surgical practice, coincident with laparoscopic surgery, and assess whether it provides useful information that influences the type of surgical therapy intended. The therapy and technique of using this combined approach to the treatment of colorectal polyps and other localized, benign lesions of the large intestine will be evaluated. In this study, the colonoscope is used both as a
diagnostic and therapeutic tool, and is often used in order to avoid a major bowel resection, yet effectively treat localized lesions of the large intestine.

**PGE-M in Surgery: an Investigation of a Non-invasive Biomarker of Post-Operative Morbidity**
PI: Sang Lee, MD

*Purpose and Objectives*

The purpose of this pilot study is to provide preliminary data for a subsequent definitive study designed to assess the ability of a urinary prostaglandin(PG) metabolite to be used as a non-invasive biomarker of surgical morbidity.

**A Phase 3, Double-Blind, Randomized, Parallel-Group, Placebo-Controlled Study of Intravenous Methylnaltrexone Bromide (MNTX) in the Treatment of Post-Operative Ileus**
Primary Investigator: Dr. Sonoda

*Purpose and Objectives*

The primary objective of this study is to examine the effect of a new investigational drug called Methylnaltrexone Bromide (MNTX) in shortening the duration of post-operative ileus (POI) in patients who have undergone segmental colectomy as measured as time elapsed to return of bowel function.

**Important Predictors for Anastomotic Leak after Colon & Rectal Resection**
PI: Jeffrey Milsom, MD / Koiana Trencheva

*Purpose and Objectives*

- The primary objective of this prospective observational study is to identify patient, clinical and surgical factors that may predispose to Anastomotic Leak after large bowel resection in both Lap and Open surgeries
- This is a quality improvement initiative

**Use of Narrow Band Imaging NBI for detection of intestinal ischemia during colonoscopy**
PI: Jeffrey Milsom, MD

*Purpose and Objectives*
To determine the application of narrow band image to detect the level of colonic ischemia. To set protocol for future in vivo study in patients with clinical findings of ischemia at the anastomosis site of bowel.

**Retrospective Studies in progress**

- Management of Failed Ileal Pouch-Anal Anastomosis with Pouch Advancement  
  PI: Dr. Sang Lee
- Management of Iatrogenic Colon Perforation  
  PI: Dr. Sang Lee
- Surgical Management of Clostridium Difficile Cilitis  
  PI: Dr. Sang Lee
- Predictive factors in recurrent inflammation in the anal transition zone after stapled ileal pouch-anal anastomosis  
  PI: Dr. Toyooki Sonoda
- Long Term outcome after Laparoscopic Surgery for Colorectal Cancer  
  PI: Dr. Toyooki Sonoda
- Outcomes of Open vs. Lap Surgery for Right Colectomy  
  PI: Dr. Jeffrey Milsom
- Retrospective Review Of Laparoscopic Assisted Resection For Rectal Cancer.  
  PI: Dr. Jeffrey Milsom
- Evaluation of short term outcomes and the impact of the anastomotic leak on post surgical recovery  
  PI: Dr. Jeffrey Milsom

**Laboratory Projects**

- Effect of Bioglu in Preventing Intestinal Anastomotic Leakage  
  PI: Dr. Sang Lee
• Observation Healing of Stapled Intestinal Anastomosis  
PI: Dr. Jeffrey Milsom

• Laparoscopic Bowel Stapling with the PowerMed Linear Stapler  
PI: Dr. Jeffrey Milsom

• Evaluation of the Safety and Efficacy of the NiTi Compression Anastomosis Clip (CAC) for Compression Intestinal Anastomosis  
PI: Dr. Jeffrey Milsom

• Evaluation of the Safety and Efficacy of the NiTi Compression Anastomosis Ring (CAR) for Compression Intestinal Anastomosis  
PI: Dr. Jeffrey Milsom

Education

Education Program
Patient/Public education
Raising the awareness of our patient population, public and health professionals of the importance of colorectal cancer and colorectal diseases prevention, screening and early detection (test, colonoscopies, Health promotion/ Healthy People 2010
Explore and educate about social and cultural dimensions of colorectal diseases

Health professional's education
• Developing and systematically presenting Colorectal Courses to expand the knowledge of medical students, residents, surgeons and staff
• Creating Colorectal Library
• Developing Video Education Library
• Creating Colorectal Journal Club where students, residents and staff will get opportunity to discuss the latest publications and discoveries related to colorectal diseases and surgical and medical treatment.
• Research education

Courses

• NYPH Laparoscopic and Hand Assisted Colon Surgery Course

Course Director: Jeffrey W. Milsom, MD Professor of Surgery, Chief, Colon and Rectal Surgery Section
Course Organizer: Sang W. Lee, MD Assistant Professor of Surgery

Over the last year and half the course gained high national and international recognition. We have conducted 8 courses with 118 participants from U.S.A., Japan, Brazil, India, Germany, UK, Australia, Panama and Korea. In addition to the permanent course faculty from WMC and Columbia the participants enjoy the experience of guest faculty from national and international Laparoscopic Surgery Centers.

This course is a one-day hands-on laparoscopic colon surgery course designed for practicing surgeons, residents, post-graduate fellows who are interested in gaining practical experience. The course consists of brief instructions and discussion followed by a hands-on laboratory session. During the laboratory session, participants perform fully laparoscopic right colectomy and hand-assisted left colectomy using fresh cadavers under the guidance of the
faculty. Because of the high interest in the course we had planned to hold five courses this year with 18 participants each and 7 faculty members including the course director.

Course Brochure


• Pelvic Anatomy Course
  
  Course Director: Jeffrey W. Milsom, MD Professor of Surgery, Chief, Colon and Rectal Surgery Section

Pelvic Anatomy Course directed by Dr. Jeffrey Milsom is one of the very special educational courses offered. We are delighted to present this opportunity to residents, students and post-graduate fellows who are interested in gaining practical experience. The course is four hours and offered once a year, usually in December. Courses have been conducted yearly in our institution. After a brief didactic on pelvic anatomy, the course continues with hands-on pelvic dissection guided by highly experienced faculties.
**Video Education**

Educational videos have become a great learning tool and method of sharing unique surgical experience among the surgeons. We have been able to create and present high quality educational videos related to minimally invasive surgery for colorectal diseases and new laparoscopic methods in colorectal surgery on national conferences of SAGES, ASCRS and ACS. Dr. Milsom is a pioneer in creating high quality educational videos and demonstrating intricate laparoscopic colorectal surgical procedure with the newest technology. Colon and Rectal Surgery at WMC-NYPH is the first to implement the Olympus the latest technology of High Definition Imaging during surgery. Currently the research section is in a process of establishing video educational library for resident and students interested in colorectal surgery.

**Presented Videos at National Conferences, click here to view the videos.**

1. **Authors:** N Dujovny, J Yoo, SW Lee, T Sonoda, JW Milsom  
   **Title:** Extending The Limits Of Transanal Excision Using Laparoscopy  
   **Presented at:** American Society of Colon and Rectal Surgeons 2005

2. **Authors:** J Yoo, N Dujovny, SW Lee, T Sonoda, JW Milsom.  
   **Title:** Colonic Perforation Treated by Combined Laparoscopy and CO2 Colonoscopy.  
   **Presented at:** American Society of Colon and Rectal Surgeons 2005  
   American College of Surgeons 2005

3. **Authors:** S.W. Lee, A. Barrio, J. Yoo, N Dujovny, Toyooki Sonoda, Jeffrey W. Milsom.  
   **Title:** Hand-assisted Laparoscopic Sigmoidectomy for Recurrent Diverticulitis  
   **Presented at:** American College of Surgeons 2005 Meeting
4. Authors: Milsom JW.  
Title: Combined CO₂ Colonoscopy and Laparoscopy to Remove Difficult Right Colonic Polyp  
Presented at: American College of Surgeons, Division of Education, 2004

5. Authors: Azimi NS, Milsom JW  
Title: Laparoscopic Abdominoperineal Resection for Locally Advanced Anal Cancer  
Presented at: ASCRS 2004

6. Authors: Milsom, JW.  
Title: Laparoscopic Proctectomy ITME.Minimally Invasive Approaches in Surgical Oncology  
Presented at: Minneapolis, Minnesota. April 29, 2003

7. Authors: N Dujovny, J Yoo, SW Lee, T Sonoda, and JW Milsom  
Title: Laparoscopic Appendiceal Carcinoma  
Presented at: ASCRS 2006, Seattle, WA

8. Authors: N Dujovny, J Yoo, SW Lee, T Sonoda, and JW Milsom  
Title: Rectopexy  
Presented at: ASCRS 2006, Seattle, WA
9. Authors: S Pandey, MD SW Lee, T Sonoda, and JW Milsom  
Title: Laparoscopic Total Mesorectal Excision for Low Rectal Cancer (HDVideo)  
Submitted: SAGES 2007  
Presented: TBA (new)

10. Authors: S Stein, MD SW Lee, T Sonoda, and JW Milsom  
Title: Laparoscopic Resection of Small Bowel for Intussusception (HDVideo)  
Submitted: SAGES 2007  
Presented: TBA (new)

11. Authors: Sang Lee, MD  
Title: Laparoscopic Pouch Surgery for Ulcerative Colitis (HDVideo)  
Presented: TBA (new) 2007

12. Authors: Toyooki Sonoda, MD  
Title: Laparoscopic Right Hemicolecotomy  
Presented: TBA

13. Authors: Jeffrey Milsom, MD  
Title: CO2 Lap Endoscopy for Sigmoid Polyp  
Presented: TBA
<table>
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<tr>
<th></th>
<th>Authors</th>
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<td>14</td>
<td>Sang Lee, MD</td>
<td>Laparoscopic Right Hemicolecotomy for Cancer</td>
<td>TBA</td>
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<tr>
<td>15</td>
<td>Fabrizio Michelassi, MD A. Fichera, MD</td>
<td>Modern principles and surgical strategy in the treatment of abdominal Crohn’s disease</td>
<td>SSAT 2003</td>
</tr>
<tr>
<td>16</td>
<td>A. Fichera, MD, Fabrizio Michelassi, MD</td>
<td>One-stage laparoscopic-assisted restorative proctocolectomy with stapled ileal J-pouch anal anastomosis</td>
<td>89th Annual Clinical Congress ACS 2003</td>
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<td>17</td>
<td>Pietrabrisse A, Fabrizio Michelassi, MD</td>
<td>Laparoscopic treatment of fulminant ulcerative colitis</td>
<td>Annual Meeting of SAGES, 2004</td>
</tr>
<tr>
<td>18</td>
<td>Fabrizio Michelassi, MD A. Fichera, MD</td>
<td>Modern principles and recent advances in the surgical treatment of Crohn’s disease of the small bowel and terminal ileum</td>
<td>90th Annual Meeting ACS 2004</td>
</tr>
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</table>
Publications

- **Books**


  **Michelassi F**, Milsom JW, editors, Operative Strategy in Inflammatory Bowel Disease.

  [http://www.abebooks.com/servlet/BookDetailsPL?bi=722233004&searchurl=isbn%3D0387949666%26nsa%3D1](http://www.abebooks.com/servlet/BookDetailsPL?bi=722233004&searchurl=isbn%3D0387949666%26nsa%3D1)


- **Published Articles 2001-2007**


**Articles in press**

1. J.Milsom, Does Intraoperative CO2 Colonoscopy during Colorectal Surgery impact on Surgical Management?

2. Emre Gorgun, MD, Jeffrey W. Milsom MD, Laparoscopic surgery in inflammatory bowel disease

**BOOK CHAPTERS**


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**Our Research Partners**

**Joan and Sanford I. Weill Medical College of Cornell University**  
Founded in 1898, and affiliated with what is now NewYork-Presbyterian Hospital since 1927, Weill Medical College of Cornell University is among the top-ranked clinical and medical research centers in the country. The research community at Weill Cornell Medical College and its Graduate School of Medical Sciences has a rich history of accomplishments that includes some of the world's foremost basic and clinical research achievements. As a result, our faculty members have been the recipients of an impressive array of awards that recognize their groundbreaking achievements. *(more…)*

[http://www.med.cornell.edu/research/](http://www.med.cornell.edu/research/)

**New York-Presbyterian Hospital**  
Research plays an important role at NewYork-Presbyterian Hospital. Remarkable advances have emerged from both laboratory studies and the investigations of new therapies or medicines in the clinical phase. These investigations make it possible for the physicians, surgeons, and other healthcare professionals of NewYork-Presbyterian Hospital to offer patients more options for life-saving care and improved health than ever before. *(more…)*

[http://www.nyp.org/about/lea_way_res.html?name1=Leading+the+Way&type1=2Select&name2=Research+and+Clinical+Trials&type2=3Active](http://www.nyp.org/about/lea_way_res.html?name1=Leading+the+Way&type1=2Select&name2=Research+and+Clinical+Trials&type2=3Active)

**Columbia University**  
[http://www.columbiasurgery.org/divisions/colorectal/research.html](http://www.columbiasurgery.org/divisions/colorectal/research.html)

**Jay Monahan Center for Gastrointestinal Health**  
[http://www.monahancenter.org/about/index.html](http://www.monahancenter.org/about/index.html)

**Jill Roberts Center for Inflammatory Bowel Disease**  

**MITT Group**

**Research Collaboration**

In the era of rapidly expanding technologies, limited research resources, and the increased need of specialized knowledge, collaboration with multiple partners has become necessity for high quality and successful research. The colorectal research group has undertaken a number of initiatives to encourage collaboration and increase awareness of its importance. Our collaborative efforts aim to:

- Combine knowledge and expertise within our institution, nationally and internationally
- Utilize our resources efficiently
• Produce high quality research and education
• Advance knowledge and benefit practice and society

While adhering to the national and international guidance for Good Clinical Practice (GCP) in clinical research, we have established interdisciplinary, interinstitutional, institutional–industrial and international collaboration with researchers and practitioners.

**Multidisciplinary Research Partners**

- Gastroenterology
- Medical oncology
- Surgery
- Radiation oncology
- Radiology
- Pathology
- Pain management
- Nursing
- Nutrition
- Genetic counseling

**Minimally Invasive Therapy Trial (MITT) Group**

The Minimaly Invasive Therapy Trial Group was formed June 2006 in Seattle, WA. The group was formed among five Colon and Rectal Surgery Centers with the goal to collaborate in their research endeavor for new minimally invasive therapies for colorectal diseases. The MITT group is already conducting its first collaborative Clinical trial: A Prospective Randomized Study Comparing Hand Access Laparoscopic Colon Surgery (HALS) Versus the Standard Laparoscopic Approach (SLS) for Colorectal Disease, sponsored by Applied Medical, 22872 Avenida Empresa, Rancho Santa Margarita, CA 92688

*Participating Centers and the Lead Investigators*

**Weill Medical College-New York Presbyterian Hospital, New York, NY**
Colon and Rectal Surgery
Jeffrey Milsom, MD

**Columbia Presbyterian University, New York, NY**
Colon and Rectal Surgery
Richard L. Whelan, M.D.

**Lahey Clinic, Burlington, MA**
Peter Marcello, M.D.

**Washington University, St. Louis, MO**
Matthew Mutch, M.D.
Western Pennsylvania Hospital, Pittsburgh, PA
Tom Read, M.D.

**International Research Collaboration and Education**

Osaka University Graduate School of Medicine, Osaka, Japan
Kiyokazu Nakajima, M.D., Ph.D.
Assistant Professor of Surgery
Department of Surgery

The Royal Melbourne Hospital, Melbourne, Australia
Joe Tjandra, MD
Assistant Professor of Surgery
Department of Surgery

TATA Memorial Hospital, India
Parul Shukla, MD

Armed Forces Military Hospital, Riyadh, SA
Rashid Al Kuhaymi, MD

**Research Resources**

**Funding for research**

Grants.gov
[www.grants.gov](http://www.grants.gov)
Grants.gov is an electronic "one-stop shop" for federal funding opportunities, with information on more than 900 grant programs offered by 26 Federal grant-making agencies.

The Foundation Center
[www.fdncenter.org](http://www.fdncenter.org)
The Foundation Center provides assistance in grant-seeking from private and community foundations, basic profiles of 65,000 foundations, as well as The Foundation Directory Online for grant-seeking nonprofit groups.

The Research Foundation of the American Society of Colon and Rectal Surgeons
[http://www.facers.org/displaycommon.cfm?an=7](http://www.facers.org/displaycommon.cfm?an=7)

National Institutes of Health
Research education

For Health Professionals

Training Opportunities

Research Fellowship

The research fellowship is minimum 1-2 yrs program in Colon and Rectal Surgery offered to M.D.s nationally and internationally. The candidates should have completed surgical training or are in a process surgical training and have strong interest in colorectal diseases. The colorectal research fellow will participate in all academic activities within the Colon and Rectal Surgery Section but will not engage in clinical activities. The colorectal conferences include weekly Colorectal Surgery Video Conference with Columbia University, a weekly Colorectal Research Conference, and a weekly Colorectal Educational Conference. The research fellow also will attend the Department of Surgery weekly Surgical Grand Rounds. Under a guidance of senior investigator the colorectal research fellow is expected to complete at least two clinical research projects during the course of each academic year to be submitted for publication, at least one presentation at a national meeting. In addition, the fellow will be expected to co-author at least one book chapter and at least two educational videos. The fellowship is externally funded and procurement by the candidate will greatly enhance the prospect for acceptance.

For further information please contact Sue Fernandez, Administrative Assistant via E-mail: suf9006@med.cornell.edu

Visiting Surgeons

Over the past few years many surgeons within and outside the U.S.A. have an opportunity to visit our section and observe Laparoscopic Colon and Rectal Surgeries with our faculties from Colon and Rectal Surgery Section. This is available to attending surgeons and surgical residents with interest in colorectal surgery. The length of the observership is determined by the participant and could be from 1 day to 6 months. The visitors will participate in all academic activities within the Colon and Rectal Surgery Section but will not engage in clinical activities.

Paperwork for Visitor
Please email a Letter of interest to Sue Fernandez, Administrative Assistant via E-mail: suf9006@med.cornell.edu

Surgeons from U.S.A need to send their CV, picture identification (driver’s license), letter of interest and letter of recommendation from the Chief if Section or Department Chairman to Sue Fernandez, Business assistant to arrange the permission to observe in the OR.

International Visitors need to send their CV, photo page of their passport, letter of interest and letter of recommendation from the Chief if Section or Department Chairman to Sue Fernandez as well on the above email address.

Laparoscopic Colon and Rectal Surgery Mini fellowship

This is a one week program available to attending surgeons or surgical fellows interested in Colon and Rectal Laparoscopic Surgery adjacent the week prior to the Laparoscopic Colon and Rectal Surgery Courses, offered 5 times a year on Saturday. The participants in the mini-fellowship observe and learn about the following:

- Attending Laparoscopic Colon and Rectal OR cases on Monday and Wednesday with Dr. Toyooki Sonoda and associates
- Attending Lap Colon and Rectal OR cases on Tuesday and Thursday with Dr. Milsom and Dr. Sang Lee
- Attending outpatient clinic
- Attending Colorectal Surgery Tele Conference Tuesday 6:30 am
- Attending Colorectal Surgery Research Conference Thursday 6:30 am
- Attending Educational Colorectal Surgery Conference Friday 7:30 am
- Attend Laparoscopic Colon Course on Saturday.

The candidates for this mini fellowship must coordinate with the available Laparoscopic Colon Course dates and register for the course as well. The program is externally funded. All travel expenses and associated fees are responsibility of the candidates.

If you are interested in this mini-fellowship, please contact Koiana Trencheva, Research Manager via email:kivanova@nyp.org or phone: 212-746 521

Student Research Opportunities

Research is well established and important part of the Colorectal Surgery Program.
Particular areas of interest are colorectal cancer, ulcerative colitis, Crohn’s Disease and anorectal conditions. Some of the major aspects of colorectal research projects are:

- Development and testing of new surgical technologies and techniques for colorectal diseases
- Development and testing of new surgical devices used in open and laparoscopic surgical treatment of colorectal diseases
- Outcome Research
- Conducting different types of clinical trials for IBD and Colorectal cancer

Recently the Colorectal Research group has more than 15 ongoing research projects, two of which are multi-center trials and some of which are combined projects with our counterpart at Columbia University Colorectal Surgery Section

**Medical Student Role**

Based on the individual’s interests medical students will have an opportunity to participate in a variety basic science, translational and clinical research projects that are ongoing within the Divisions of Colon and Rectal Surgery. Under professional research guidance the medical students will take part in writing the scientific proposal for new projects; implementation of the ongoing research projects; participate in data collection and the data analyses. Student also will participate in the weekly Colorectal Research Conference.

For more information please contact Koiana Trencheva- 65241, kivanova@nyp.org

**Information Recourses on Research Education**

- Tri-institutional Responsible Conduct of Research Program for Research Trainees
  [http://www.med.cornell.edu/research/rea_com/tri_ins_pro.html](http://www.med.cornell.edu/research/rea_com/tri_ins_pro.html)

- CenterWatch

- **CenterWatch World.**
  [http://www.centerwatch.com/cwworld/world_area5.html](http://www.centerwatch.com/cwworld/world_area5.html)
Research Education for Patients

Research education for patients and volunteers about participating in clinical trial, understanding randomization process, understanding the informed consent process and confidentiality of health information is a high priority for the colorectal surgery research team and part of the high quality medical care.

Information support
Center Watch

http://www.centerwatch.com/bookstore/pubs_profs_patienteduc.html
Colon Cancer Alliance (CCA)
http://www.ccalliance.org/patient/index.html

Crohn's & Colitis Foundation of America (CCFA)
http://www.ccfa.org/research/?LMI=4
**Professional Societies**

**National**
- American Society of Colon and Rectal Surgeons  [www.fascrs.org](http://www.fascrs.org)
- New York Society of Colon and Rectal Surgeons  [www.fascrs.org](http://www.fascrs.org)
- American College of Surgeons  [www.facs.org](http://www.facs.org)
- American College of Surgeons Oncology Group  [www.acosog.org](http://www.acosog.org)
- The Society for Surgery of the Alimentary tract  [www.ssat.com](http://www.ssat.com)
- Society of Laparoscopic Surgery  [www.sls.org](http://www.sls.org)
- The society of American Gastrointestinal Endoscopic Surgeons  [www.sages.org](http://www.sages.org)
- Society of Surgical Oncology  [www.surgonc.org](http://www.surgonc.org)
- American Society of Clinical Oncology  [www.asco.org](http://www.asco.org)

**International Societies**

**Asia**
- **Asian Federation of Coloproctology**  [www.congre.co.jp/afcp2007/data/venue.html](http://www.congre.co.jp/afcp2007/data/venue.html)
- **Japan Society of Coloproctology**  [http://square.umin.ac.jp/jscp2006/English/index.htm](http://square.umin.ac.jp/jscp2006/English/index.htm)
- **Korean Society of Coloproctology (KSCP)**  [http://www.colon.or.kr](http://www.colon.or.kr)

**Taiwan-China**
- Society of Colon & Rectal Surgeons, Taiwan (SCRST)  [www.crs.org.tw](http://www.crs.org.tw)

**Europe**

**United Kingdom**
- **The Association of Coloproctology of Great Britain and Ireland**  [www.acpgbi.org.uk](http://www.acpgbi.org.uk)

**Italy**
- **Italian Society of Colo-Rectal Surgery (SICCR)**  [www.siccr.org](http://www.siccr.org)

**Spain**
- Spanish: NatSCRS  [www.aecp-es.org](http://www.aecp-es.org)


**European Society of Coloproctology (ESCP)**  [www.escp.eu.com](http://www.escp.eu.com)

**Latin America**


**Brazil**
- **Brazilian Society of Coloproctology (BSCP)**  [www.sbcp.org.br](http://www.sbcp.org.br)

**Australia**
Upcoming Events and Conferences

American College of Surgeons
90 Annual Clinical Congress
October 8-12, 2006
Chicago, IL

American Society of Clinical Oncology
Gastrointestinal Cancers Symposium
January 19-21, 2007
Orlando World Center Marriott
Orlando, Florida

EuroAmerican MultiSpecialty Summit III
Laparoscopy and Minimally Invasive Surgery
February 21-24, 2007
Disney's Contemporary Resort
Lake Buena Vista, Florida, USA

Society of Surgical Oncology
March 15-18, 2007
Marriott Wardman Park Hotel
Washington, DC

The Society of American Gastrointestinal Endoscopic Surgeons
Annual Meeting
April 19-22, 2007,
Paris Las Vegas, Nevada

The Society for Surgery of the Alimentary tract
DDW 2007
May 20-23, 2007
Washington, D.C.

ASCRS Annual Meeting
June 2 – 7, 2007
St. Louis, MO
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• To speak with the research nurses please call 212-746 5241. You can ask for Aijun Li, RN or Koiana Trencheva, RN

• To make a donation for Colon and Rectal Surgery Research please call Koiana Trencheva, Research Manager at 212-746 5241

• For Volunteering please contact the Research Manager Koiana Trencheva at 212-746 5241 or email at: kivanova@nyp.org

• If you are interested in the Laparoscopic Colon Course please call 212-746 5241. The course brochure is available at:

• For Student Research please contact Koiana Trencheva at 212-746 5241 or Krista Jenkins at 212-746 6591