

BIOGRAPHICAL SKETCH

NAME: Patricia Sylla, MD

POSITION TITLE: Associate Professor of Surgery, Icahn School of Medicine at Mount Sinai

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	Completion Date	FIELD OF STUDY
Georgetown University	BS	06/1992	Biology
Weill Medical College of Cornell University	MD	06/1996	Medicine
Columbia Presbyterian Medical Center	Residency	06/2000	General Surgery
Mount Sinai Hospital	Fellowship	06/2007	Colorectal Surgery
Massachusetts General Hospital	Fellowship	06/2008	Minimally Invasive Surgery

A. Positions and Honors**Positions and Employment**

2008-2011 Instructor in Surgery, Harvard Medical School
 2011-2015 Assistant Professor of Surgery, Harvard Medical School
 2008-2015 Attending Surgeon, Division of General and Gastrointestinal Surgery, MGH
 2015 Assistant Professor of Surgery, Icahn School of Medicine at Mount Sinai
 2015-Present Associate Professor of Surgery, Icahn School of Medicine at Mount Sinai
 2015-Present Attending Surgeon, Division of Colorectal Surgery, Mount Sinai Hospital

Professional Memberships

2013-Present Chair, ASCRS Transanal TME Subcommittee
 2015-Present SAGES Board of Governors Member
 2015-Present Associate Director, Colorectal Surgery Fellowship Program, Mount Sinai Hospital
 2015-Present SAGES Chair for the NOSCART Joint Committee
 2017-Present Chair, SAGES Colon Task Force
 2018-2019 Program Chair SAGES 2019 Annual Meeting
 2019-Present Chair, New Technologies Committee
 2020-Present Member of Tisch Protocol Review and Monitoring System (PRMC), Mount Sinai Hospital
 2020-Present Section Editor, New Technology, Diseases of the Colon and Rectum
 2020-Present SAGES Executive Committee Member

Honors

2004 Society of American Gastrointestinal Endoscopic Surgeons Research Award
 2006 Blakemore Prize, Columbia Presbyterian Medical Center, New York City
 2007 First Prize Poster Award, New York Society of Colon and Rectal Surgeons
 2007 Natural Orifice Surgery Consortium for Assessment and Research Grant Award
 2008 Society of American Gastrointestinal Endoscopic Surgeons IRCAD Travel Fellowship Award
 2009 Physician-Scientist Development Award, Massachusetts General Hospital
 2010 Thematic Priority Grant for Targeting early cancers through precision surgery, MGH Cancer Center
 2011 Harvard Catalyst Program for Faculty Development and Diversity Faculty Fellowship
 Massachusetts General Hospital
 2013 SAGES Young Researcher Award
 2014 Society of Laparoscopic Surgeons Young Educator Award
 2017-2020 Castle Connolly Top Doctor New York Metropolitan Area
 2019 SUS Leadership Agility Program, SAGES sponsorship

B. Contributions to Science

1. Preclinical models of NOTES transanal endoscopic rectosigmoid resection: Starting as an Advanced Laparoscopic Fellow, I started a research program focused on developing a NOTES transanal approach to

pathology of the colon and rectum. We first described this approach in a swine study and then later demonstrated its safety in a swine survival study. We then extended this work to human cadavers, providing the foundation for translating this technique into patients.

- 1) **Sylla P**, Willingham FF, Sohn DK, Gee DW, Brugge WR, Rattner DW. NOTES Rectosigmoid resection using transanal endoscopic microsurgery (TEM) with transgastric endoscopic assistance: A pilot study in swine. *J Gastrointestinal Surgery* 2008;12(10): 1717-23.
- 2) **Sylla P**, Sohn DK, Cizginer S, Konuk Y, Turner BG, Gee DW, Willingham FF, Hsu M, Mino-Kenudson M, Brugge WR, Rattner DW. Survival study of natural orifice transluminal endoscopic surgery for rectosigmoid resection using transanal endoscopic microsurgery with or without transgastric endoscopic assistance in a swine model. *Surg Endosc* 2010; 24(8): 2022-30.
- 3) Telem DA, Han KS, Kim MC, Ajari I, Sohn DK, Woods K, Kapur V, Sbeih MA, Perretta S, Rattner DW, **Sylla P**. Natural Orifice Transluminal Endoscopic Surgery (NOTES) transanal rectosigmoid resection with Total mesorectal excision in a large human cadaver series. *Surg Endosc* 2013; 27(1):74-80.

2. Human translation of NOTES Transanal Total Mesorectal excision (taTME): I performed the first human transanal NOTES resection of rectal cancer in 2009 in collaborations with colleagues in Barcelona. This was followed by a pilot study of laparoscopy-assisted transanal endoscopic resection of rectal cancer in the US, and evaluation of long-term oncologic outcomes of this approach. I am currently leading the North American Multicenter Phase II Study of Transanal Total Mesorectal Excision (taTME) with Laparoscopic Assistance for Rectal Cancer, which includes 11 other study sites in the US and Canada. This trial is in part funded by a grant from the ASCRS RF. I also serve as lead PI for a Multicenter study comparing taTME and robotic TME for tumors located \leq 6cm from the anal verge, a study that was awarded an ASCRS robotic grant in 2018.

- 1) **Sylla P**, Rattner DW, Delgado S, Lacy AM. NOTES transanal rectal cancer resection using transanal endoscopic microsurgery and laparoscopic assistance. *Surg Endosc* 2010;24(5):205-10.
- 2) Lacy AM, Adelsdorfer C, Delgado S, **Sylla P**, Rattner DW. Minilaparoscopy-assisted transrectal low anterior resection (LAR): a preliminary study. *Surg Endosc* 2013; 27(1):339-46.
- 3) de Lacy AM, Rattner DW, Adelsdorfer C, Tasende MM, Fernández M, Delgado S, **Sylla P**, Martínez-Palli G. Transanal natural orifice transluminal endoscopic surgery (NOTES) rectal resection: "down-to-up" total mesorectal excision (TME)-short-term outcomes in the first 20 cases. *Surg Endosc* 2013, 27(9):3165-72.
- 4) **Sylla P**, Bordeianou LG, Berger D, Han KS, Lauwers GY, Sahani DV, Sbeih MA, Lacy AM, Rattner DW. A pilot study of natural orifice transanal endoscopic total mesorectal excision with laparoscopic assistance for rectal cancer. *Surg Endosc* 2013, 27(9):3396-405.
- 5) D'Andrea AP, McLemore EC, Bonaccorso A, Cuevas JM, Basam M, Tsay AT, Bhasin D, Attaluri V, **Sylla P**. Transanal total mesorectal excision (taTME) for rectal cancer: beyond the learning curve. *Surg Endosc*. 2020;34(9):4101-09.

Complete List of Published Work in MyBibliography:

<https://www.ncbi.nlm.nih.gov/eresources.mssm.edu/myncbi/1LuL4zLTjuo9un/bibliography/public/>

C. Additional Information: Research Support and/or Scholastic Performance

Ongoing Research Support

- 1) Multicenter Phase II Study of Transanal Total Mesorectal Excision (taTME) with Laparoscopic Assistance for Rectal cancer. ASCRS Research Foundation 2016-2021 and Industry funding (total \$1,445,000). Role: Principal investigator.
- 2) Multicenter post-market clinical follow-up of the Medrobotics Flex® Robotic System and Flex® Rectoscope used for accessing and visualizing the anus, rectum, and distal colon during transanal procedure. Medrobotics 2017-2019 (\$34,863.50). Site PI.
- 3) A prospective multi-center post-market study to compare intracorporeal and extracorporeal anastomoses for robotic-assisted and laparoscopic right colectomies. Intuitive 2018-2020 (\$37,706.50). Site PI.
- 4) An adaptive, sequential evaluation of powered and manual circular staplers in left-sided colorectal anastomoses. Ethicon 2017-2020 (\$69,381.25). Role: Site PI.
- 5) Prospective Multicenter Study of Robotic vs Transanal Total Mesorectal Excision. ASCRS Research Foundation 2019-2022 (\$50,000). Role: Principal Investigator.