



4th INTERNATIONAL CONFERENCE ON

NOTES[®]

JULY 9-11, 2009

THE WESTIN COPLEY PLACE BOSTON

BOSTON, MASSACHUSETTS



FINAL PROGRAM

VISIONARY SUPPORTERS



FUTURIST SUPPORTER



ENTRY LEVEL SUPPORTER



INNOVATOR SUPPORTERS



OVERVIEW

NOSCAR® JOINT COMMITTEE

Robert H. Hawes, MD, Co-Chair Medical University of South Carolina	David W. Rattner, MD, Co-Chair Massachusetts General Hospital
Gregory G. Ginsberg, MD University of Pennsylvania	Richard Rothstein, MD Dartmouth-Hitchcock Medical Center
Christopher J. Gostout, MD Mayo Clinic	Steven Schwaitzberg, MD Cambridge Health Alliance
Anthony Kalloo, MD The Johns Hopkins Hospital	C. Daniel Smith, MD Mayo Clinic · Jacksonville
Michael L. Kochman, MD University of Pennsylvania	Lee Swanström, MD Oregon Health Science University
Michael Marohn, DO The Johns Hopkins Hospital	Mark A. Talamini, MD University of California San Diego
W. Scott Melvin, MD Ohio State University Medical Center	Christopher C. Thompson, MD Harvard Medical School

2009 NOTES® CONFERENCE PROGRAM CHAIRS

Santiago Horgan, MD
University of California San Diego

Sergey Kantsevoy, MD
Mercy Medical Center

NOTES® HANDS ON COURSE CHAIRS

Yoav Mintz, MD
Hadassah-Hebrew University Medical Center

Daniel J. Scott, MD
University of Texas Southwestern Medical Center

ABOUT NOSCAR®

In 2005, leaders of both ASGE (American Society for Gastrointestinal Endoscopy) and SAGES (Society of American Gastrointestinal and Endoscopic Surgeons) recognized the potential importance of Natural Orifice Translumenal Endoscopic Surgery (NOTES®). The governing boards of the two societies appointed a working group to consider the issues surrounding the development and introduction to clinical practice of NOTES. The members of the original working group coined the acronym NOSCAR® as one that would be appropriate for incisionless surgery. NOSCAR stands for the Natural Orifice Surgery Consortium for Assessment and Research®.

NOTES is developing in a space that is neither purely surgical nor purely therapeutic endoscopy. As such, collaboration among the leading societies is essential to avoid turf wars, competition for scarce resources and, most importantly, to optimize patient care and safety. Both ASGE and SAGES address a large universe of areas of interest, committees, and special interest groups; NOTES is but a small part of the scope of these organizations. Neither SAGES nor ASGE alone could likely have galvanized the NOTES effort as NOSCAR has. NOSCAR is a bridge between the two parent organizations that has served all parties well. For example, when standards or guidelines are published it is likely they will come from ASGE and SAGES jointly.

NOSCAR does not have a membership; rather it is a community of SAGES and ASGE members that are interested in NOTES, participate in the research grant process, and come to meetings. There are no dues to join NOSCAR, in part, because NOSCAR exists under the auspices of ASGE and SAGES. It is our hope that the collaborative spirit will continue to cross international borders in the same way it has crossed the boundaries of surgeons and gastroenterologists in North America.

NOSCAR® REGISTRY MAKE IT COUNT!

ASGE & SAGES members you are encourage to MAKE IT COUNT and add your NOTES® case to the NOSCAR® registry. To register your cases, please visit: www.noscar.org/outcomes.php

SAGES Members You may log onto the NOSCAR registry by using your SAGES Outcomes ID and password. ASGE members please email: jacqueline@noscar.org to register an ID and password.

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REGISTRATION HOURS

Thursday, July 9	3:30 PM – 7:00 PM
Friday, July 10	6:30 AM – 5:30 PM
Saturday, July 11	6:30 AM – 3:30 PM

EXHIBIT HOURS

Thursday, July 9	7:00 PM – 9:00 PM
Friday, July 10	10:30 AM – 3:30 PM 5:30 PM – 7:30 PM
Saturday, July 11	10:30 AM – 1:00 PM

SPEAKER READY ROOM HOURS

Location: St. George D, 3rd Floor

Thursday, July 9	5:00 PM – 8:00 PM
Friday, July 10	6:30 AM – 5:30 PM
Saturday, July 11	6:30 AM – 3:30 PM

POSTER VIEWING HOURS

Location: Essex Ballroom Foyer, 3rd Floor

Friday, July 10	7:00 AM – 5:30 PM
Saturday, July 11	7:00 AM – 2:00 PM

SESSION LOCATIONS

Registration: *Essex Ballroom Foyer, 3rd Floor*

General Session: *Essex Ballroom, 3rd Floor*

Exhibits & Receptions: *Essex Ballroom Foyer, 3rd Floor*

Posters: *Staffordshire Meeting Room, 3rd Floor*

Hands On Lab: *America Ballroom, South, 4th Floor*

WORKING GROUPS

- Working Group 1:** Registry Development
St. George A, 3rd Floor
- Working Group 2:** Reimbursement Considerations
St. George B, 3rd Floor
- Working Group 3:** Human Trials & Research: Getting Started
St. George C, 3rd Floor
- Working Group 4:** Closure Techniques & Devices
Great Republic, 7th Floor
- Working Group 5:** Human Experience Complications
Gloucester/Newbury, 2nd Floor
- Working Group 6:** Training, Credentialing & Guidelines
Defender, 7th Floor
- Working Group 7:** Future Steps/Single Incision Surgery
Empire, 7th Floor

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NOTES® INVITED FACULTY

Marc Bessler, MD · Columbia University Medical Center

Brian J. Dunkin, MD · The Methodist Hospital

David Earle, MD · Baystate Medical

Christopher J. Gostout, MD · Mayo Clinic

Robert H. Hawes, MD · Medical University of South Carolina

Jeffrey W. Hazey, MD · Ohio State University Medical Center

Eric Hungness, MD · Northwestern University

Garth Jacobsen, MD · University of California San Diego

Leena Khaitan, MD · Case Western Medical Center

Michael L. Kochman, MD · University of Pennsylvania

Jeffrey Marks, MD · Case Western Medical Center

Michael Marohn, DO · The John Hopkins Hospital

W. Scott Melvin, MD · Ohio State University Medical Center

Jeffrey L. Ponsky, MD · Case Western Reserve University

Sonia Rammamorthy, MD · University of California San Diego

David W. Rattner, MD · Massachusetts General Hospital

Richard I. Rothstein, MD · Dartmouth-Hitchcock Medical Center

Steven Schweitzberg, MD · Cambridge Health Alliance

Nathaniel Soper, MD · Northwestern University

Christopher Paul Swain, MD · St. Mary Hospital

Lee L. Swanstrom, MD · Oregon Health Sciences University

Patricia Sylla, MD · Massachusetts General Hospital

Mark A. Talamini, MD · University of California San Diego

Christopher C. Thompson, MD · Harvard Medical School

Ricardo S. Zorrón, MD · Universidad de Federal do Rio de Janeiro



PROGRAM

THURSDAY · JULY 9, 2009

7:00 PM – 9:00 PM **WELCOME RECEPTION & EXHIBITS** *Essex Foyer, 3rd Floor*
Mingle with colleagues and set the pace for the next two days of learning, interaction and the sharing of ideas!

FRIDAY · JULY 10, 2009

7:30 AM – 8:00 AM **CONTINENTAL BREAKFAST** *Essex Foyer, 3rd Floor*

8:00 AM – 8:30 AM **WELCOME COMMENTS** *Essex Foyer, 3rd Floor*

Robert H. Hawes, MD & David W. Rattner, MD, NOSCAR® Joint Committee Co-Chairs

CHARGE TO THE WORKING GROUPS

Santiago Horgan, MD & Sergey Kantsevov, MD, NOSCAR® Program Co-Chairs

8:30 AM – 10:30 AM **NOTES® WORKING GROUPS · Day 1**

The Working Groups provide an opportunity for participants to challenge current thinking and develop new concepts and approaches to implement techniques, harness technology and impact the framework that will define NOTES in the future.

Working Group 1 · Registry Development - Leena Khaitan, MD & David Rattner, MD

St. George A, 3rd Floor

Working Group 2 · Reimbursement Considerations - Robert H. Hawes, MD & Nathaniel Soper, MD

St. George B, 3rd Floor

Working Group 3 · Human Trials & Research: Getting Started - Michael Kochman, MD & Christopher Paul Swain, MD

St. George C, 3rd Floor

Working Group 4 · Closure Techniques & Devices - Lee Swanstrom, MD & Christopher C. Thompson, MD

Great Republic, 7th Floor

Working Group 5 · Human Experience Complications - W. Scott Melvin, MD & Ricardo S. Zorrón, MD

Gloucester/Newbury, 2nd Floor

Working Group 6 · Training, Credentialing & Guidelines - Santiago Horgan, MD & Jeffrey Ponsky, MD

Defender, 7th Floor

Working Group 7 · Future Steps/Single Incision Surgery - Garth Jacobsen, MD & Richard Rothstein, MD

Empire, 7th Floor

10:30 AM – 11:00 AM **BREAK · EXHIBIT/POSTER HALL**

11:00 AM – 12:00 PM **NOSCAR® RESEARCH UPDATES**

Moderators: Michael Kochman, MD & Steven Schwaitzberg, MD, NOSCAR® Research Committee Co-Chairs

Select grant recipients of NOSCAR grants will provide updates on the latest research and offer a glimpse into the groundbreaking findings to date.

11:00 AM	NOSCAR® Delphi Project · Thadeus L. Trus, MD, <i>Dartmouth College</i>
11:05 AM	Randomized Double-Blinded Trial Comparing Laparoscopy and Natural Orifice Transluminal Endoscopic Surgery Procedures in a Porcine Model Juliane Bingener-Casey, MD, <i>Mayo Clinic - Rochester</i>
11:10 AM	Leaks and Endoscopic Assessment of Break of Integrity After NOTES® Gastrostomy: The LEAKING Study William R. Brugge, MD, FASGE, <i>Massachusetts General Hospital</i>
11:15 AM	Randomized Controlled Study Comparing Safety of Different Techniques of Transgastric and Transcolonic Access to the Peritoneal Cavity Sergey Kantsevov, MD, <i>Mercy Medical Center</i>
11:20 AM	Systemic Inflammation and Physiologic Burden of NOTES: Determining the Degree of Invasiveness of a New Minimally Invasive Procedure Michael F. McGee, MD, <i>Case Western Reserve University</i>
11:25 AM	Randomized Controlled Trial Evaluating NOTES Repair of Hollow Viscus Perforation · Erica Moran, MD, <i>Mayo Clinic - Rochester</i>
11:30 AM	Quantitative Ergonomic Assessment of NOTES® Techniques: A Study of Physical and Mental Workload, Body Movement and Posture Adrian E. Park, MD, <i>University of Maryland Medical Center</i>
11:35 AM	Comparison of Intra-Operative Complications, Postoperative Pain and Surgical Stress · Emad Rahmani, MD, FACP, <i>Indiana University School of Medicine & Lynetta Freeman, DVM</i>
11:40 AM	Optimal Sterile Technique for NOTES® · Christopher C. Thompson, MD, MSc, <i>Harvard Medical School</i>

12:00 PM – 1:30 PM **INDUSTRY LUNCH & EXHIBIT VIEWING**

Presentations by: Covidien · Ethan Loiselle

Karl Storz · Silvana Perretta, MD (IRCAD - EITS, Nouvel Hôpital Civil - Hopitaux Universitaires, Strasbourg, France)

Apollo Endosurgery · Lee Putnam

Power Medical · Scott Brown/Joe Cammarata

Ethicon Endo-Surgery · Kurt Bally

1:30 PM – 3:00 PM **REIMBURSEMENT FOR NOTES® · A Panel Discussion**

Moderator: Robert H. Hawes, MD

Panelists: Marc Bessler, MD, Santiago Horgan, MD, W. Scott Melvin, MD, David W. Rattner, MD, Nathaniel Soper, MD, Lee L. Swanstrom, MD

Diane Francis, Ethicon Endo-Surgery, Inc & Dean Geraci, Covidien

3:00 PM – 3:30 PM **BREAK · EXHIBIT/POSTER HALL**

3:30 PM – 5:30 PM **NOTES® ORIGINAL ABSTRACTS · Oral Presentations**

Essex Ballroom, 3rd Floor

Moderator: Santiago Horgan, MD

3:30 PM	Introduction
3:35 PM	S01 TRANSVAGINAL ACCESS TO NOTES® IN HUMANS. TECHNICAL STANDARDIZATION AND SAFETY PROFILE IN A 141 PATIENTS SERIES <u>M. Galvao Neto, MD</u> , Almino Ramos, MD, Manoela Galvao, MD, Abel Murakami, MD, Andrey Carlo, MD, Yglesio Moises, MD, Edwin Canseco, MD, Alex Escalona, MD, Josenberg Campos, MD, Gastro Obeso Center - Sao Paulo, Brazil. Universidade Federal de Pernambuco, Universidad Catolica de Chile
3:40 PM	S02 THE ROLE OF FLEXIBLE ENDOSCOPY IN MEDIASTINAL DISSECTION FOR ESOPHAGEAL SURGERY <u>Georg O. Spaun, MD</u> , Christy M. Dunst, MD, Brittany N. Arnold, BS, Danny V. Martinec, BS, Michael Owens, MD, Lee L. Swanstrom, MD, Legacy Health System and Oregon Health Science University, Portland, Oregon
3:45 PM	S03 TOTALLY NOTES® TRANSVAGINAL CHOLECYSTECTOMY – NEW VAGINAL PORT ALLOWS TRUE NOTES® <u>Ricardo Zorron, PhD</u> , Marcos Filgueiras, MD, Luciana Pombo, MD, Eduardo Kanaan, MD, Department of Surgery – University Hospital Teresópolis HCTCO-FESO, Rio de Janeiro, Brazil
3:50 PM	S04 LAPAROSCOPIC RIGHT HEMICOLECTOMY, NOTES® EXTRACTION VS. COUNTER INCISION. A PROSPECTIVE STUDY <u>Morris E. Franklin, MD</u> , <u>Guillermo Portillo, MD</u> , Texas Endosurgery Institute
3:55 PM	S05 AN ALTERNATIVE APPROACH TO PERITONEAL INSUFFLATION: NOTES® <u>Peter N. Nau, MD</u> , Joel Anderson, MD, Bradley Needleman, MD, E. Christopher Ellison, MD, W. Scott Melvin, MD, Jeffrey W. Hazey, MD, The Ohio State University Department of General Surgery, Center for Minimally Invasive Surgery, Columbus, OH
4:00 PM	S06 EVALUATION OD A NEW PROTOTYPE OPERATIVE ENDOSCOPE ENDOSAMURAI(TM) IN COMPARISON WITH CONVENTIONAL ANASTOMOTIC TECHNIQUES <u>Karl-Hermann Fuchs, MD</u> , Wolfram Breithaupt, MD, Department of Surgery
4:05 PM	S07 QUANTIFYING MENTAL WORKLOADS OF PERFORMING NOTES® DURING A LEARNING PROCESS <u>Bin Zheng, PhD</u> , Georg O. Spaun, MD, Neely M. Pantan, MD, Lee L. Swanstrom, UBC Surgery, Legacy Health System
4:10 PM	S08 ENDOSCOPE INDEPENDENT INTRA-ABDOMINAL RETRACTION: DEVELOPMENTS AND LESSONS LEARNED THROUGH THE LARGEST U.S. NOTES® SERIES <u>Lauren J. Fischer, MD</u> , Oliver Wagner, MD, Garth Jacobsen, MD, Kari Thompson, MD, Bryan Sandler, MD, Monika Hagen, MD, Brian Wong, MD, Adam Spivack, MD, Mark A. Talamini, MD, Santiago Horgan, MD, University of California - San Diego, San Diego, CA, USA
4:15 PM	S09 TOTALLY TRANSVAGINAL APPENDECTOMY <u>Kurt E. Roberts, MD</u> , Dan Silasi, MD, Stefan Erceg, MD, Andrew J. Duffy, MD, Priya Jamidar, Ehab ElAkkary, MD, Tom Rutherford, MD, Robert L. Bell, MD, Yale School of Medicine
4:20 PM	S10 A RANDOMIZED CONTROLLED TRIAL COMPARING LAPAROSCOPIC AND NOTES® EPIGASTRIC VESSEL LIGATION <u>Melina C. Vassiliou, MD</u> , Daniel von Renteln, MD, Daniel T. McKenna, MD, Thadeus L. Trus, MD, Paul Swain, MD, Richard I. Rothstein, MD, Dartmouth-Hitchcock Medical Center, Lebanon, NH; Imperial College, University of London, UK
4:25 PM	S11 CLOSURE OF A GASTRIC SUBMUCOSAL TUNNEL WITH FIBRIN GLUE: A FEASIBILITY STUDY IN A PORCINE MODEL <u>Fumitaka Yoshizumi, MD</u> , Kazuhiro Yasuda, PhD, Kosuke Suzuki, MD, Koji Kawaguchi, MD, Masafumi Inomata, PhD, Norio Shiraishi, PhD, Seigo Kitano, PhD, Department of Gastroenterological Surgery, Oita University Faculty of Medicine, Japan
4:30 PM	S12 THE UC SAN DIEGO UNITED STATES NATURAL ORIFICE TRANSLUMINAL ENDOSCOPIC SURGERY EXPERIENCE <u>Kari Thompson, MD</u> , <u>Brian Wong, MD</u> , <u>Garth Jacobsen, MD</u> , <u>Bryan Sandler, MD</u> , <u>Lauren Fischer, MD</u> , <u>Adam Spivack, MD</u> , <u>Julia Bosia, RN</u> , <u>John Cullen, MD</u> , <u>Emily Luckacz, MD</u> , <u>Emily Whitcomb, MD</u> , <u>Monika Hagen, MD</u> , <u>Oliver Wagner, MD</u> , <u>Tom Savides, MD</u> , <u>Mark Talamini, MD</u> , <u>Santiago Horgan, MD</u> , University of California San Diego
4:35 PM	S13 NATURAL ORIFICE TRANSGASTRIC ENDOSCOPIC PERITONEOSCOPY FOR PREOPERATIVE STAGING IN A PATIENT WITH PANCREATIC CANCER: OUR INITIAL EXPERIENCE <u>Kazuhiro Yasuda, MD</u> , <u>Fumitaka Yoshizumi, MD</u> , <u>Koji Kawaguchi, MD</u> , <u>Kosuke Suzuki, MD</u> , <u>Tomonori Akagi, MD</u> , <u>Masafumi Inomata, MD</u> , <u>Norio Shiraishi, MD</u> , <u>Seigo Kitano, MD</u> , Department of Surgery I, Oita University Faculty of Medicine
4:40 PM	S14 CAN PROFICIENCY BE ACHIEVED IN NATURAL ORIFICE TRANSLUMINAL SURGERY (NOTES)? THE UC – SAN DIEGO EXPERIENCE WITH ELECTIVE TRANSVAGINAL CHOLECYSTECTOMY. <u>Brian Wong, MD</u> , <u>Kari Thompson, MD</u> , <u>Garth Jacobsen, MD</u> , <u>Bryan Sandler, MD</u> , <u>Lauren Fishcer, MD</u> , <u>Julie Bosia, RN</u> , <u>Adam Spivak, MD</u> , <u>Oliver Wagner, MD</u> , <u>Monika Hagan, MD</u> , <u>Emily Whitcomb, MD</u> , <u>Emily Lukacz, MD</u> , <u>Mark Talamini, MD</u> , <u>Santiago Horgan, MD</u> , U.C. San Diego
4:45 PM	S15 TWO HANDED ENDOSCOPIC ROBOT FOR USE IN NOTES® <u>Danny A. Sherwintner, MD</u> , Maimonides Medical Center Department of Minimally Invasive Surgery
4:50 PM	S16 PERFORMING CLINICAL STUDIES INVOLVING DEVICES FOR NATURAL ORIFICE TRANSLUMINAL ENDOSCOPIC SURGERY (NOTES) AND NATURAL ORIFICE SURGERY (NOS) PROCEDURES: WHAT EVERY INVESTIGATOR SHOULD KNOW ABOUT FDA'S INVESTIGATIONAL DEVICE EXEMPTION <u>Binita S. Ashar, MD</u> , Long H. Chen, PhD, Jeffrey Cooper, DVM, Nada O. Hanafi, MSc, Michel Janda, MS, Herb Lerner, MD, Danica Marinac-Dabic, MD, Joshua C. Nipper, ME, Stephen Rhodes, MSc, Fabienne Santel, MD, U.S. Food and Drug Administration Center for Devices and Radiological Health NOTES/NOS/SPL Working Group
4:55 PM	S17 TRANSGASTRIC ENDOSCOPIC GASTROJUNOSTOMY (TEGJ) – A SURVIVAL STUDY IN PORCINE MODEL <u>Philip W. Chiu, MD</u> , <u>Anthony Y. Teoh, MD</u> , <u>Candice C. Lam, RN</u> , <u>Simon K. Wong, MD</u> , <u>James Y. Lau, MD</u> , <u>Joseph J. Sung, PhD</u> , <u>Enders K. Ng, MD</u> , Chinese University of Hong Kong
5:00 PM	S18 NATURAL ORIFICE TRANSGASTRIC OPHORECTOMY USING SUBMUCOSAL TUNNEL TECHNIQUE: FEASIBILITY STUDY IN PIGS <u>Koji Kawaguchi, MD</u> , <u>Kazuhiro Yasuda, PhD</u> , <u>Kosuke Suzuki, MD</u> , <u>Fumitaka Yoshizumi, MD</u> , <u>Masafumi Inomata, PhD</u> , <u>Norio Shiraishi, PhD</u> , <u>Seigo Kitano, PhD</u> , Department of Surgery, Oita University Faculty of Medicine
5:05 PM	S19 IMPROVING PATIENT SAFETY AND MULTIDISCIPLINARY TEAM EFFICIENCY IN NOTES® <u>Edward D. Auyang, MD</u> , Eric S. Hungness, MD, Nathaniel J. Soper, MD, Department of Surgery, Northwestern University Feinberg School of Medicine
5:10 PM	S20 TRANSVAGINAL CHOLECYSTECTOMY OFFERS BETTER CHOLECYSTECTOMY RESULTS THAN OTHER SURGICAL TECHNIQUES <u>Kari Thompson, MD</u> , <u>Lauren Fischer, MD</u> , <u>Brian Wong, MD</u> , <u>Adam Spivack, MD</u> , <u>Garth Jacobsen, MD</u> , <u>Bryan Sandler, MD</u> , <u>Julie Bosia, RN</u> , <u>Emily Lukacz, MD</u> , <u>Emily Whitcomb, MD</u> , <u>Mark Talamini, MD</u> , <u>Santiago Horgan, MD</u> , University of California San Diego

5:30 PM – 7:30 PM **EVENING RECEPTION**

Essex Foyer, 3rd Floor

PROGRAM

SATURDAY · JULY 11, 2009

7:30 AM – 8:00 AM **CONTINENTAL BREAKFAST**

Essex Foyer, 3rd Floor & Foyer, 7th Floor

8:00 AM – 9:00 AM **NOTES® WORKING GROUPS · Day 2**

9:00 AM – 10:30 AM **PANEL: ENDOLUMENAL THERAPY, NOTES® & SINGLE INCISION LAPAROSCOPIC SURGERY**

Moderator: David W. Rattner, MD – This session will discuss current status, potential advantages and disadvantages of Endolumenal Therapy, NOTES® procedures, and Single Access Laparoscopy in comparison with traditional laparoscopic procedures.

9:00 AM	Introduction · David W. Rattner, MD
9:05 AM	Endolumenal Therapy · Christopher J. Gostout, MD
9:25 AM	NOTES® · Jeffrey Ponsky, MD

9:50 AM	Single Access Laparoscopy · Jeffrey Marks, MD
10:10 AM	Discussion / Q&A Session

10:30 AM – 11:00 AM **BREAK · EXHIBIT/POSTER HALL**

11:00 AM – 12:00 PM **NOTES® ORIGINAL ABSTRACTS · Video Presentations**

Moderator: Sonia Rammamorthy, MD

11:00 AM	Introduction
11:05 AM	V01 HELLER MYOTOMY AND INTRALUMINAL FUNDOPLICATION: A NOTES® TECHNIQUE Silvana Perretta, MD, Bernard Dallemagne, MD, Pierre Allemann, MD, Adrian Lobontiou, MD, Jacques Marescaux, MD, IRCAD-EITS, University of Strasbourg France
11:10 AM	V02 ENDOSCOPIC TRANSESOPHAGEAL THORACIC SYMPATHECTOMY (VIDEO) Brian G. Turner, MD, Denise W. Gee, MD, Sevdenur Cizginer, MD, Yusuf Konuk, MD, Cetin Karaca, MD, Field Willingham, MD, Mari Mino-Kenudson, Christopher Morse, MD, David W. Rattner, MD, William R. Brugge, MD, Massachusetts General Hospital, Harvard Medical School
11:15 AM	V03 TRANSGASTRIC PLACEMENT OF JEJUNAL FEEDING TUBES: A PORCINE SURVIVAL STUDY Richard S. Kwon, MD, Vinay Katukuri, MD, Jason Taylor, University of Michigan
11:20 AM	V04 DISSECTION TECHNIQUES FOR NOTES® CHOLECYSTECTOMY WITH THE FLEXIBLE ENDOSCOPE Kevin M. McGill, MD, Nikalesh Ippagunta, MD, Julio A. Teixeira, MD, St. Luke's-Roosevelt Hospital Center
11:25 AM	V05 NOTES-ASSISTED TRASVAGINAL SPLENECTOMY: THE NEXT STEP FOR THE MINIMAL INVASIVE APPROACH TO THE SPLEEN E. Targarona, PhD, C. Gomez-Oliva, PhD, R. Rovira, PhD, JC Pernas, MD, C. Balague, PhD, C. Guarner-Argente, MD, S. Sainz, MD, M. Trias, PhD, Hospital de Sant Pau, UAB, Barcelona, Spain.
11:30 AM	V06 TRANSVAGINAL SLEEVE GASTRECTOMY BY NOTES-FIRST CASE IN EUROPE Martin Buesing, PhD, George Saada, MD, Laukoetter Mike, MD, Bjoern Halter, Raute Riege, MD, Annette Knapp, MD, Klinikum Vest - Knappschafts Krankenhaus-Recklinghausen. Department of General- and Abdominal Surgery, Germany
11:35 AM	V07 UCSF NOTES® TRANSVAGINAL EXPERIENCE Santiago Horgan, MD, Adam Spivack, Kari Thompson, MD, University of California San Diego
11:40 AM	V08 PRECURSOR TO TRANSRECTAL SURGERY Sonia Ramamoorthy, MD, Kari Thompson, MD, Adam Spivack, MD, Lauren Fischer, MD, Brian Wong, MD, Mark Talamini, MD, Santiago Horgan, MD, UC San Diego

12:00 PM – 1:00 PM **LUNCH, EXHIBIT/POSTER HALL**

1:00 PM – 2:45 PM **NOTES® ORIGINAL UNEDITED VIDEO PRESENTATIONS**

Moderator: Sergey Kantsevov, MD – The session will demonstrate minimally edited videos of recent transluminal human procedures. During the video demonstration the panel of experts will ask questions and lead the discussion about the technical aspects of these procedures.

1:00 PM	Introduction
1:05 PM	Jeffrey W. Hazey, MD
1:25 PM	Garth Jacobsen, MD

1:45 PM	Lee Swanstrom, MD
2:05 PM	Ricardo Zórron, MD
2:25 PM	Discussion <i>Additional Panelists:</i> Marc Bessler, MD & Jeffrey Ponsky, MD

2:45 PM – 3:00 PM **BREAK**

3:00 PM – 4:30 PM **WORKING GROUP REPORTS**

Moderator: W. Scott Melvin, MD – Hear reports of the Working Group discussions from the previous day. New ideas, challenges, and outcomes are articulated in these innovative exchanges; you will be able to hear first-hand the opportunities and challenges in the NOTES® process!

4:30 PM – 4:15 PM **NOTES® ABSTRACTS AWARDS PRESENTATION · Best Paper, Best Poster, & Best Video**

Santiago Horgan, MD & Sergey Kantsevov, MD, NOSCAR® Program Co-Chairs

4:15 PM – 4:30 PM **CLOSING COMMENTS**

Robert H. Hawes, MD & David W. Rattner, MD, NOSCAR® Joint Committee Co-Chairs

1:00 PM – 5:00 PM **NOTES® HANDS ON COURSE**

Yoav Mintz, MD & Daniel J. Scott, MD, Co-Chairs

NOTES® HANDS ON COURSE

SATURDAY, JULY 11, 2009

1:00 PM – 5:00 PM

Course Chairs: Daniel J. Scott, MD & Yoav Mintz, MD

COURSE SUMMARY

This course will consist of a hands-on animate porcine lab in which participants will receive instruction by experts in various NOTES procedures. The lab will allow practice of both transgastric (access, abdominal exploration, liver biopsy, and tubal ligation) and transvaginal (access, abdominal exploration, and cholecystectomy) procedures. Participants will have the opportunity to use a variety of endoscopic and NOTES instrumentation including standard endoscopic accessories (needle knife, endoclips, endoloops) as well as novel transvaginal devices (access ports, articulating graspers). Lab stations will have a 1:3 faculty to participant ratio.

OBJECTIVES

At the conclusion of this session, participants will be able to:

- List benefits and limitations of current technologies that facilitate NOTES operations
- Identify key steps in achieving transgastric and transvaginal NOTES access
- Enhance their technical ability to perform transgastric and transvaginal NOTES procedures

PROCEDURES

1. Transgastric access, abdominal exploration, liver biopsy, and tubal ligation
2. Transvaginal access, abdominal exploration, and cholecystectomy

LAB INSTRUCTORS

Marc Bessler, MD
Brian J. Dunkin, MD
David Earle, MD
Christopher J. Gostout, MD
Jeffrey W. Hazey, MD
Eric Hungness, MD
Garth Jacobsen, MD
Leena Khaitan, MD
Jeffrey Marks, MD
Michael Marohn, DO
W. Scott Melvin, MD
Sonia Rammamorthy, MD
Richard Rothstein, MD
Patricia Sylla, MD
Christopher Paul Swain, MD
Christopher C. Thompson, MD
Ricardo S. Zorrón, MD

SAGES and ASGE acknowledge generous educational grants and contributions in-kind in support of this course from Aponos Medical, Boston Scientific, Covidien, Davol, Karl Storz Endoscopy-America, Olympus America, Inc., Novare Surgical Systems, Power Medical Interventions, US Endoscopy, and Virtual Ports.

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THANK YOU TO OUR **CORPORATE SUPPORTERS**

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ENTRY LEVEL

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Virtual Ports



ORAL ABSTRACTS

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S02 THE ROLE OF FLEXIBLE ENDOSCOPY IN MEDIASTINAL DISSECTION FOR ESOPHAGEAL SURGERY Georg O. Spaun, MD, Christy M. Dunst, MD, Brittany N. Arnold, BS, Danny V. Martinec, BS, Michael Owens, MD, Lee L. Swanstrom, MD, Legacy Health System and Oregon Health Science University, Portland, Oregon

S03 TOTALLY NOTES® TRANSVAGINAL CHOLECYSTECTOMY - NEW VAGINAL PORT ALLOWS TRUE NOTES® Ricardo Zorron, PhD, Marcos Filgueiras, MD, Luciana Pombo, MD, Eduardo Kanaan, MD, Department of Surgery - University Hospital Teresópolis HCTCO-FESO, Rio de Janeiro, Brazil

S04 LAPAROSCOPIC RIGHT HEMICOLECTOMY, NOTES® EXTRACTION VS. COUNTER INCISION. A PROSPECTIVE STUDY Morris E. Franklin, MD, Guillermo Portillo, MD, Texas Endosurgery Institute

S05 AN ALTERNATIVE APPROACH TO PERITONEAL INSUFFLATION: NOTES® Peter N. Nau, MD, Joel Anderson, MD, Bradley Needleman, MD, E. Christopher Ellison, MD, W. Scott Melvin, MD, Jeffrey W. Hazey, MD, The Ohio State University Department of General Surgery, Center for Minimally Invasive Surgery, Columbus, OH

S06 EVALUATION OF A NEW PROTOTYPE OPERATIVE ENDOSCOPE ENDOSAMURAI(TM) IN COMPARISON WITH CONVENTIONAL ANASTOMOTIC TECHNIQUES Karl-Hermann Fuchs, MD, Wolfram Breithaupt, MD, Dept of Surgery

S07 QUANTIFYING MENTAL WORKLOADS OF PERFORMING NOTES® DURING A LEARNING PROCESS Bin Zheng, PhD, Georg O. Spaun, MD, Neely M. Pantan, MD, Lee L. Swanstrom, UBC Surgery, Legacy Health System

S08 ENDOSCOPE INDEPENDENT INTRA-ABDOMINAL RETRACTION: DEVELOPMENTS AND LESSONS LEARNED THROUGH THE LARGEST U.S. NOTES® SERIES Lauren J. Fischer, MD, Oliver Wagner, MD, Garth Jacobsen, MD, Kari Thompson, MD, Bryan Sandler, MD, Monika Hagen, MD, Brian Wong, MD, Adam Spivack, MD, Mark A. Talamini, MD, Santiago Horgan, MD, University of California - San Diego, San Diego, CA, USA

S09 TOTALLY TRANSVAGINAL APPENDECTOMY Kurt E. Roberts, MD, Dan Silasi, MD, Stefan Erceg, MD, Andrew J. Duffy, MD, Priya Jamidar, Ehab ElAkkary, MD, Tom Rutherford, MD, Robert L. Bell, MD, Yale School of Medicine

S10 A RANDOMIZED CONTROLLED TRIAL COMPARING LAPAROSCOPIC AND NOTES® EPIGASTRIC VESSEL LIGATION Melina C. Vassiliou, MD, Daniel von Renteln, MD, Daniel T. McKenna, MD, Thadeus L. Trus, MD, Paul Swain, MD, Richard I. Rothstein, MD, Dartmouth-Hitchcock Medical Center, Lebanon, NH; Imperial College, University of London, UK

S11 CLOSURE OF A GASTRIC SUBMUCOSAL TUNNEL WITH FIBRIN GLUE: A FEASIBILITY STUDY IN A PORCINE MODEL Fumitaka Yoshizumi, MD, Kazuhiro Yasuda, PhD, Kosuke Suzuki, MD, Koji Kawaguchi, MD, Masafumi Inomata, PhD, Norio Shiraishi, PhD, Seigo Kitano, PhD, Department of Gastroenterological Surgery, Oita University Faculty of Medicine, Japan

S12 THE UC SAN DIEGO UNITED STATES NATURAL ORIFICE TRANSLUMINAL ENDOSCOPIC SURGERY EXPERIENCE Kari Thompson, MD, Brian Wong, MD, Garth Jacobsen, MD, Bryan Sandler, MD, Lauren Fischer, MD, Adam Spivack, MD, Julia Bosia, RN, John Cullen, MD, Emily Luckacz, MD, Emily Whitcomb, MD, Monika Hagen, MD, Oliver Wagner, MD, Tom Savides, MD, Mark Talamini, MD, Santiago Horgan, MD, University of California San Diego

S13 NATURAL ORIFICE TRANSGASTRIC ENDOSCOPIC PERITONEOSCOPY FOR PREOPERATIVE STAGING IN A PATIENT WITH PANCREATIC CANCER: OUR INITIAL EXPERIENCE Kazuhiro Yasuda, MD, Fumitaka Yoshizumi, MD, Koji Kawaguchi, MD, Kosuke Suzuki, MD, Tomonori Akagi, MD, Masafumi Inomata, MD, Norio Shiraishi, MD, Seigo Kitano, MD, Department of Surgery I, Oita University Faculty of Medicine

S14 CAN PROFICIENCY BE ACHIEVED IN NATURAL ORIFICE TRANSLUMINAL SURGERY (NOTES®)? THE UC -SAN DIEGO EXPERIENCE WITH ELECTIVE TRANSVAGINAL CHOLECYSTECTOMY. Brian Wong, MD, Kari Thompson, MD, Garth Jacobsen, MD, Bryan Sandler, MD, Lauren Fischer, MD, Julie Bosia, RN, Adam Spivack, MD, Oliver Wagner, MD, Monika Hagan, MD, Emily Whitcomb, MD, Emily Lukacz, MD, Mark Talamini, MD, Santiago Horgan, MD, U.C. San Diego

S15 TWO HANDED ENDOSCOPIC ROBOT FOR USE IN NOTES® Danny A Sherwinter, MD, Maimonides Medical Center Department of Minimally Invasive Surgery

S16 PERFORMING CLINICAL STUDIES INVOLVING DEVICES FOR NATURAL ORIFICE TRANSLUMINAL ENDOSCOPIC SURGERY (NOTES®) AND NATURAL ORIFICE SURGERY (NOS) PROCEDURES: WHAT EVERY INVESTIGATOR SHOULD KNOW ABOUT FDA'S INVESTIGATIONAL DEVICE EXEMPTION Binita S. Ashar, MD, Long H. Chen, PhD, Jeffrey Cooper, DVM, Nada O. Hanafi, MSc, Michel Janda, MS, Herb Lerner, MD, Danica Marinac-Dabic, MD, Joshua C. Nipper, ME, Stephen Rhodes, MSc, Fabienne Santel, MD, U.S. Food and Drug Administration Center for Devices and Radiological Health NOTES®/NOS/SPL Working Group

S17 TRANSGASTRIC ENDOSCOPIC GASTROJEJUNOSTOMY (TEGJ) - A SURVIVAL STUDY IN PORCINE MODEL Philip W. Chiu, MD, Anthony Y. Teoh, MD, Candice C. Lam, RN, Simon K. Wong, MD, James Y. Lau, MD, Joseph J. Sung, PhD, Enders K Ng, MD, Chinese University of Hong Kong

S18 NATURAL ORIFICE TRANSGASTRIC OOPHORECTOMY USING SUBMUCOSAL TUNNEL TECHNIQUE: FEASIBILITY STUDY IN PIGS Koji Kawaguchi, MD, Kazuhiro Yasuda, PhD, Kosuke Suzuki, MD, Fumitaka Yoshizumi, MD, Masafumi Inomata, PhD, Norio Shiraishi, PhD, Seigo Kitano, PhD, Department of Surgery, Oita University Faculty of Medicine

S19 IMPROVING PATIENT SAFETY AND MULTIDISCIPLINARY TEAM EFFICIENCY IN NOTES® Eric Hungness MD, Eric S. Hungness, MD, Nathaniel J. Soper, MD, Department of Surgery, Northwestern University Feinberg School of Medicine

S20 TRANSVAGINAL CHOLECYSTECTOMY OFFERS BETTER CHOLECYSTECTOMY RESULTS THAN OTHER SURGICAL TECHNIQUES Kari Thompson, MD, Lauren Fischer, MD, Brian Wong, MD, Adam Spivack, MD, Garth Jacobsen, MD, Bryan Sandler, MD, Julie Bosia, RN, Emily Lukacz, MD, Emily Whitcomb, MD, Mark Talamini, MD, Santiago Horgan, MD, University of California San Diego

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V02 ENDOSCOPIC TRANSESOPHAGEAL THORACIC SYMPATHECTOMY (VIDEO)

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V03 TRANSGASTRIC PLACEMENT OF JEJUNAL FEEDING TUBES: A PORCINE SURVIVAL STUDY

Richard S. Kwon, MD, Vinay Katukuri, MD, Jason Taylor, University of Michigan

V04 DISSECTION TECHNIQUES FOR NOTES® CHOLECYSTECTOMY WITH THE FLEXIBLE

ENDOSCOPE Kevin M. McGill, MD, Nikalesh Ippagunta, MD, Julio A. Teixeira, MD, St. Luke's-Roosevelt Hospital Center

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Location: Staffordshire, 3rd Floor

P01 TRANSRECTAL HEPATECTOMY BY HYBRID NOTES® USING THE CUSTOMIZED X-TRACT

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P02 USEFULNESS OF THE ANVIL HEAD CONTROLLER FOR END-CIRCULAR STAPLERS

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LOWER ESOPHAGEAL SPHINCTER E. A. Moran, MD, C. J. Gostout, MD, Developmental Endoscopy Unit, Division of Gastroenterology and Hepatology, Mayo Clinic College of Medicine, Rochester, MN, United States

P04 NOTES® THERAPEUTIC LIVER INTERVENTION IN HUMANS- WHAT CAN BE ACCESSED

AND WHAT WORKS? E. A. Moran, MD, F. M. Murad, MD, J. Bingener, MD, C. J. Gostout, MD, Developmental Endoscopy Unit, Division of Gastroenterology and Hepatology, Mayo Clinic College of Medicine, Rochester, MN, United States.

P05 NOTES® GASTRIC PERFORATION REPAIR IS COMPARABLE TO LAPAROSCOPY IN

A PORCINE MODEL E. A. Moran, MD, C. J. Gostout, MD, J. Bingener, MD, Department of Surgery, Mayo Clinic College of Medicine, Rochester, MN; Department of Medicine, Division of Gastroenterology and Hepatology, Developmental Endoscopy Unit, Mayo Clinic College of Medicine, Rochester, MN, United States.

P06 THE CHALLENGES WITH NOTES® RETROPERITONEAL ACCESS IN HUMANS

E. A. Moran, MD, J. Bingener, MD, C. J. Gostout, MD, Department of Surgery, Mayo Clinic College of Medicine, Rochester, MN; Department of Medicine, Division of Gastroenterology and Hepatology, Developmental Endoscopy Unit, Mayo Clinic College of Medicine, Rochester, MN, United States.

P07 COMPARISON OF RIGID AND FLEXIBLE ENDOSCOPIC SYSTEMS FOR PERFORMING

PEG TRANSFER EXERCISES IN NOVICES Eric Hungness MD, Nathaniel J. Soper, MD, Eric S. Hungness, MD, Department of Surgery, Northwestern University Feinberg School of Medicine

P09 EXPANDABLE GASTRIC PORT (EGP) FOR NOTES®

Kiyoshi Hashiba, PhD, Pablo R. Siqueira, MD, Sergio Roll, PhD, Marco A. D'Assunção, MD, Hospital Sírío Libanês Endoscopic Unit. S, Paulo, Brazil

P10 ENDOSCOPIC TREATMENT FOR GASTRIC PERFORATION USING T-TAG AND PLASTIC

PROTECTION CHAMBER Kiyoshi Hashiba, PhD, Sergio Roll, PhD, Pablo R. Siqueira, MD, Marco A. D'Assunção, MD, Horus A. Brasil, MD, Hospital Sírío Libanês Endoscopic Unit. S, Paulo, Brazil

V05 NOTES®-ASSISTED TRASVAGINAL SPLENECTOMY: THE NEXT STEP FOR THE MINIMAL

INVASIVE APPROACH TO THE SPLEEN E. Targarona, PhD, C. Gomez-Oliva, PhD, R. Rovira, PhD, JC Pernas, MD, C Balague, PhD, C. Guarner-Argente, MD, S. Sainz, MD, M. Trias, PhD, Hospital de Sant Pau, UAB, Barcelona, Spain

V06 TRANSVAGINAL SLEEVE GASTRECTOMY BY NOTES®-FIRST CASE IN EUROPE

Martin Buesing, PhD, George Saada, MD, Laukoetter Mike, MD, Bjoern Halter, Raute Riege, MD, Annette Knapp, MD, Klinikum Vest - Knappschafts Krankenhaus-Recklinghausen. Department of General and Abdominal Surgery, Germany

V07 UCSD NOTES® TRANSVAGINAL EXPERIENECE

Horgan Santiago, MD, Adam Spivack, Kari Thompson, MD, University of California San Diego

V08 PRECURSOR TO TRANSRECTAL SURGERY

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P13 TRANSGASTRIC CECECTOMY IN CANINE MODEL: NATURAL ORIFICE TRANSLUMINAL

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P15 ACELLULAR PORCINE DERMAL MATRIX ASSISTED GASTROTOMY CLOSURE FOR NOTES®

J. Gopal, MD, E. M. Pauli, MD, M. T. Moyer, MD, A. Mathew, MD, R. S. Haluck, MD, Department of Surgery and Gastroenterology, Penn State Hershey Medical Center, Hershey, PA, USA

P16 LAPAROSCOPIC LEFT HEMICOLECTOMY / LAR, NOTES® EXTRACTION VS. COUNTER

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P17 LAPAROSCOPIC- ASSISTED ENDOLUMINAL SURGERY: A STEP STONE TO NOTES®

Morris E. Frnaklin, MD, Guillermo Portillo, MD, Sameer S Mohiuddin, DO, Texas Endosurgery Institute

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P19 TRANSGASTRIC PLACEMENT OF JEJUNAL FEEDING TUBES: A PORCINE SURVIVAL

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P22 RANDOMIZED CONTROLLED TRIAL COMPARING STANDARD ENDOSCOPIC CLIPS AND OVER THE SCOPE CLIPS FOR NOTES® GASTROTOMY CLOSURE Daniel von Renteln, MD, [Melina C. Vassiliou, MD](#), Richard I. Rothstein, MD, Dartmouth-Hitchcock Medical Center, Lebanon, NH

P23 CLOSURE OF ESOPHAGEAL ACCESS FOR NOTES® USING A SELF-EXPANDING RETRACTABLE COVERED STENT Daniel von Renteln, MD, [Melina C. Vassiliou, MD](#), Richard I. Rothstein, MD, Dartmouth-Hitchcock Medical Center, Lebanon, NH

P24 THE INFORMED CONSENT PROCESS IN NOTES® SURGERY [Alberto R. Ferreres, MD](#), Santiago Horgan, MD, Aníbal Rondán, MD, Julieta Paleari, MD, Augusto T. Ferreres, BS, Oscar O Laudanno, MD, Department of Surgery University of Buenos Aires and Department of Surgery, University of California, San Diego

P25 EVALUATION OF A NOVEL MAGNETIC ENTERAL ANASTOMOSIS IN NATURAL ORIFICE TRANSLUMINAL ENDOSCOPIC SURGERY (NOTES®) M Cadeddu, MD, S. Bacopulos, MD, [B. Teague, MD](#), M. Anvari, PhD, M. Misra, MD, S. Pooler, MD, S. Malik, MSc, P. Swain, PhD, Centre for Minimal Access Surgery, St Josephs Healthcare, McMaster University, Hamilton, Canada

P26 USE OF FLEXIBLE ENDOSCOPES FOR NOTES®: STERILIZATION OR HIGH LEVEL DISINFECTION? [Georg O. Spaun, MD](#), Lee L. Swanstrom, Legacy Health System, Portland, Oregon

P27 THE ANUBIS™ ENDOSCOPIC PLATFORM: AN ANSWER TO NOTES® CHALLENGES AND BEYOND B Dallemagne, MD, [S. Perretta, MD](#), J. Melanson*, MD, S. Summerer*, M. Leonhard*, J. Marescaux, MD, IRCAD-EITS, Department of Digestive and Endocrine Surgery, University of Strasbourg, France; STORZ ENDOSKOPE, Germany*

P29 MINILAPAROSCOPIC-ASSISTED TRANSVAGINAL GASTROINTESTINAL SURGERY: OUR INITIAL EXPERIENCE AND TECHNIQUE [Marat Khaikin, MD](#), Moshe Shabtai, MD, Oded Zmora, MD, Amram Ayalon, MD, Department of General Surgery and Transplantation, Tel-Hashomer, Israel

P30 "LET'S CLIMB OVER THE SACRAL PROMONTORY": A RADIOLOGICAL MEASUREMENT FOR OPTIMIZATION OF TRANSVAGINAL INSTRUMENTS [Yoshihito Souma MD](#), Kiyokazu Nakajima MD, Tsuyoshi Takahashi MD, Yasuaki Miyazaki MD, Toshiro Nishida MD, Yuichiro Doki MD, Department of Surgery, Osaka University Graduate School of Medicine, Osaka, Japan

P31 SINGLE TROCAR ACCESS CHOLECYSTECTOMY (SITRACC): NEW SURGICAL APPROACH AND MULTI-INSTITUTIONAL BRAZILIAN EXPERIENCE [Marcus D. de Campos Martins, BA](#), James Skinovski, BA, Coelho Djalma, BA, Positivo University

P32 TRANSVAGINAL RETROPERITONEAL PARTIAL NEPHRECTOMY: A NOTES® TECHNIQUE. [S. Perretta, MD](#), P. Allemann, MD, M. Asakuma, MD, B. Dallemagne, MD, F. Becmeur, MD, J. Marescaux, MD, Department of Digestive and Endocrine Surgery, University of Strasbourg, France

P33 TRANSGASTRIC JEJUNOJEJUNAL ANASTOMOSIS USING PROTOTYPE ENDOSCOPIC SUTURING DEVICE [Philip W. Chiu, MD](#), Anthony Y. Teoh, MD, Candice C. Lam, RN, Simon K. Wong, MD, Enders K. Ng, MD, Chinese University of Hong Kong

P34 BURST PRESSURES IN GASTRIC CLOSURE - A NOTES® STUDY OF THE LOCK-IT™ SYSTEM WITH THE PADLOCK-G™ IN THE EXPLANTED PORCINE STOMACH [John R. Romanelli \(1\), MD](#), David J Desilets (2), MD, David B. Earle (1), MD, Departments of Surgery (1) and Medicine (2), Baystate Medical Center, Springfield, MA, USA

P35 GASTRIC CLOSURE IN NOTES® USING A NOVEL, OVER-THE-SCOPE, NITINOL CLIP - A SURVIVAL STUDY IN A PORCINE MODEL [David J. Desilets \(1\), MD](#), John R. Romanelli (2), MD, David B. Earle (2), MD, Christopher Chapman (3), MD, Departments of (1) Medicine, (2) Surgery, and (3) Pathology, Baystate Medical Center

P36 ENDOSCOPIC RE-ENTRY THROUGH A CLOSED NOTES® INCISION FOR MANAGEMENT OF NOTES® COMPLICATIONS Karl Andrutis, MS, Lukasz M Kowalczyk, MD, Anand R Gupte, MD, Christopher E Forsmark, MD, [Mihir S Wagh, MD](#), University Of Florida

P39 RANDOMIZED CONTROLLED TRIAL COMPARING LAPAROSCOPIC AND NOTES® GASTROJEJUNOSTOMY FOR DUODENAL OBSTRUCTION [Melina Vassiliou, MD](#), Daniel von Renteln, MD, Daniel McKenna, MD, Paul Swain, MD, Richard Rothstein, MD, Dartmouth-Hitchcock Medical Center, Lebanon, NH; Imperial College, University of London, UK

P40 ANTIBIOTIC GASTRIC LAVAGE PRIOR TO NATURAL ORIFICE TRANSLUMINAL ENDOSCOPIC SURGERY [V Huang, MD](#), L Hookey, MD, R Liao, PhD, S McKenna, BS, E Petrof, MD, GIDRU, Kingston General Hospital, Kingston, ON

P41 TRANSVAGINAL CHOLECYSTECTOMY NOTES® 1 (ONE TRANS-UMBILICAL GRASPER) WITH FLEXIBLE AND RIGID INSTRUMENTS. A COMPARATIVE STUDY [Manoel Galvao Neto, MD](#), Almino Ramos, MD, Manoela Galvao, MD, Abel Murakami, MD, Andrey Carlo, MD, Edwin Canseco, MD, Yglesio Moises, MD, Alex Escalona, MD, Josemberg Campos, PhD, Gastro Obeso Center - Sao Paulo, Brazil. Universidade Federal de Pernambuco - Recife, Brazil, Universidad Catolica de Chile, Santiago

P42 HYBRID NOTES® TRANSVAGINAL SLEEVE GASTRECTOMY M Cadeddu, MD, [B. Teague, MD](#), M. Anvari, PhD, M. Misra, MD, S. Malik, MSc, S. Pooler, MD, P. Swain, PhD, Centre for Minimal Access Surgery, St Josephs Healthcare, McMaster University, Hamilton, ON

P43 RETROGRADE ENDOSCOPIC TUNNELED HELLER MYOTOMY [Nikalesh Ippagunta, MD](#), Kevin McGill, MD, Jawad M. Latif, MD, Rahul Gupta, MD, George J. Todd, MD, Scott J. Belsley, MD, Julio A. Teixeira, MD, St Luke's Roosevelt Hospital Center

P44 SILS CHOLECISTECTOMY- INITIAL EXPERIENCE WITH JAPANESE PATIENTS AND STANDARDIZATION OF THE PROCEDURE- [Hitoshi Idani, MD](#), Takashi Yoshioka, MD, Kenjiro Kumano, MD, Hiroki Nojima, MD, Hitoshi Kin, MD, Norihisa Takakura, MD, Fukuyama City Hospital/Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences

P45 INTRA-ABDOMINAL ENDOSCOPIC OPERATION [Satoru Takayama, PhD](#), Hiromitsu Takeyama, PhD, Gastroenterological surgery of Nagoya City University

P46 DEVELOPMENT OF A PANCREATIC TUMOR ANIMAL MODEL AND ASSESSMENT OF FEASIBILITY OF NOTES® TUMOR ENUCLEATION AS A MULTIDISCIPLINARY APPROACH. [Kai Matthes, MD](#), Suck-Ho Lee, MD, Shyam J Thakkar, MD, Robert B. Lim, MD, Johannes Janschek, MD, Alexandre Derevianko, MD, Stephanie B. Jones, MD, Daniel B. Jones, MD, Ram Chuttani, MD, Department of Gastroenterology, Surgery, and Anesthesiology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA.

P47 A NOVEL FLEXIBLE ENDOSCOPIC CLIP APPLIER OVERCOMES THE SHORTCOMINGS OF CURRENTLY USED LIGATION CLIPS FOR NOTES® [Oliver J. Wagner, BA](#), Monika E. Hagen, BA, Kari Thompson, BA, Adam Spivack, MD, Brian Wong, MD, Lauren Fischer, MD, Kurt Bally, MD, Garth Jacobsen, MD, Mark Talamini, Santiago Horgan, MD, Center for the Future of Surgery, Dept. of Surgery, University of California- San Diego, CA, USA / Ethicon Endo-Surgery, Inc., Cincinnati, Ohio

P48 POUCH PREPARATION AND FORMATION OF GASTRO-JEJUNAL ANASTOMOSIS FOR NOTES® ROUX-EN-Y GASTRIC BYPASS [Monika E. Hagen, MD](#), Oliver J. Wagner, MD, Philippe Morel, PhD, Adam Spivack, MD, Kari Thompson, MD, Garth Jacobsen, MD, Mark Talamini, MD, Santiago Horgan, MD, Paul Swain, PhD, Center for the Future of Surgery University of California San Diego, University Hospital Geneva, Imperial College London

P49 HYBRID NOTES IN EARLY GASTRIC CANCER OF HUMAN: SIMULTANEOUS ENDOSCOPIC FULL-THICKNESS GASTRIC RESECTION AND LAPAROSCOPIC REGIONAL LYMPHADENECTOMY; EXPERIENCE OF 4 CASES, Joo Young Cho MD, Won Young Cho MD, Yong Jin Kim MD, Hyun Gun Kim MD, Tae Hee Lee MD, Gyu Seok Cho MD, Il Kwun Chung MD, Moon Su Lee MD, Jin Oh Kim MD, Joon Seong Lee MD, So Young Jin MD, NOTES Research, Soonchunhyang University Hospital, Seoul, Korea

P50 HYBRID NOTES IN HUMAN: SIMULTANEOUS ENDOSCOPIC FULL-THICKNESS GASTRIC RESECTION OF SUBMUCOSAL TUMOR WITH LAPAROSCOPIC SURGERY, Joo Young Cho MD, Won Young Cho MD, Yong Jin Kim MD, Hyun Gun Kim MD, Tae Hee Lee MD, Gyu Seok Cho MD, Il Kwun Chung MD, Moon Su Lee MD, Jin Oh Kim MD, Joon Seong Lee MD, So Young Jin MD, NOTES Research, Soonchunhyang University Hospital, Seoul, Korea

Please also see attached full abstract.

EXHIBITORS

EXHIBITOR PROFILES

APONOS MEDICAL CORP

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Olympus offers a full line of medical and surgical endoscopy equipment that is ergonomically designed, minimally invasive, and offers outstanding optics for you and your patients. While consistently delivering premium, state-of-the-art endoscopy products, Olympus also consults customers on how to best use these products to optimize clinical care and financial outcomes.

Booth 1

POWER MEDICAL INTERVENTIONS

2021 Cabot Boulevard West · Langhorne, PA 19047

Tel: 1.866.POWERMED · Fax: 267.775.8193 · www.pmi2.com

Power Medical Interventions®, Inc. is the world's only provider of computer-assisted, power-actuated surgical stapling products. PMI's state-of-the-art wireless Intelligent Surgical Instruments™ are revolutionizing and expanding minimally invasive surgery applications and enabling novel surgical procedures to benefit surgeons, patients, hospitals and healthcare networks.

Booth 5

USGI MEDICAL, INC.

1140 Calle Cordillera · San Clemente, CA 92673

Tel: 949.369.3890 · Fax: 949.369.3891 · www.usgimedical.com

USGI Medical is committed to the development of technologies to enable Incisionless Surgery for the treatment of diseases. USGI will be showcasing the Incisionless Operating Platform, the g-Prox grasping/tissue approximation device, and the g-Cath tissue anchor delivery catheter with expandable tissue anchors.

Booth 7

EXHIBITOR FLOORPLAN



EXHIBITOR BOOTHS

- 1 Olympus America, Inc.
- 2 Boston Scientific, Inc.
- 3 Covidien
- 4 Aponos Medical Corp
- 5 Power Medical Interventions
- 6 Ethicon Endo-Surgery, Inc.
- 7 USGI Medical, Inc.
- 8 Karl Storz Endoscopy - America

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NATURAL ORIFICE SURGERY CONSORTIUM FOR ASSESSMENT AND RESEARCH®

A joint initiative supported by the American Society for Gastrointestinal Endoscopy (ASGE) and the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES). Contact Email: info@noscar.org

ASGE

1520 Kensington Rd., Suite 202
Oak Brook, IL 60523
+1 630.570.5616

SAGES

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ASGE Postgraduate Course at ACG

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ENDOFEST 2010

ASGE's new signature event will feature 2 days of multiple simultaneous sessions highlighting the latest research, skills and technologies in the practice of endoscopy.

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