

**Michael J. Mastrangelo, Jr., M.D., FACS**  
**Curriculum Vitae**

**I. Personal Information**

**Michael John Mastrangelo Jr., M.D., FACS**

General, Laparoscopic and Pancreaticobiliary Surgery  
Surgical Endoscopy and ERCP

Bend Surgical Associates  
2450 NE Mary Rose Place, Ste. 210  
Bend, Oregon 97701

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**II. Education**

1982 – 1986 B.S., Biology; College of Arts and Sciences  
**Georgetown University, Washington, DC**  
Honors: Sigma Xi  
Research: Patch-clamp studies of embryonal carcinoma cells  
Sports: Intercollegiate Ice Hockey

1984 Intensive French Language – Summer Program  
**University De Dijon, Dijon France**

1986- 1988 M.S., Physiology and Biophysics  
**Georgetown University, Washington, DC**

**III. Professional Education**

2003 Visiting Physician, Fellow in Pancreaticobiliary Surgery and Endoscopic  
Retrograde Cholangio Pancreatoscopy (ERCP)  
Gary Vitale, M.D., Division of General Surgery  
**University of Louisville Department of Surgery**

1997-1998 Clinical Fellow  
Advanced Laparoscopy and Surgical Endoscopy Fellowship  
John L. Flowers, M.D., Department of Surgery  
**University of Maryland School of Medicine**

1996-1997 Chief Resident (Administrative Chief Resident)  
**University of Illinois College of Medicine**

- 1992-1997      Categorical Surgery Resident  
**University of Illinois College of Medicine**
- Honors:** Illinois Chapter of the American College of Surgeons  
Robert Pattone, M.D. Resident Award Competition, Recognition  
Society of Laparoscopic Surgeons Resident Award
- 1988-1992      M.D., Indiana **University School of Medicine, Indianapolis, Indiana**
- Honors:** Midwest Cardiovascular Research Foundation Research Grant  
**Positions:** Delegate to the AMA- MSS (1988-1990)

#### **IV. Hospital Privileges**

- 2003 – Present      St. Charles Medical Center  
Bend, Oregon
- 2003 – Present      St. Charles Medical Center  
Redmond, Oregon
- 2003 – Present      Bend Surgery Center  
Bend, Oregon
- 1998 – 2003      Albert B. Chandler Medical Center  
Lexington, Kentucky
- 1998 – 2003      Lexington Veterans Administration Medical Center  
Lexington, Kentucky
- 1998 – 2003      Health South Ambulatory Surgery Center  
Lexington, Kentucky

#### **V. Faculty Positions**

- 2009 – present      Affiliate Associate Professor  
Director, Bend/SCMC Medical Student Surgery Clerkship  
Department of Surgery,  
Division of Gastrointestinal and General Surgery  
**Oregon Health & Science University School of Medicine**  
Portland, Oregon
- 2009 - present      Affiliate Clinical faculty  
Department of Surgery  
**Western University of Health Sciences**
- 2003      Visiting Physician

Fellow in Pancreaticobiliary Surgery and ERCP  
Division of General Surgery  
*University of Louisville Department of Surgery*  
Louisville, Kentucky

1998 – 2003      Assistant Professor, Division of General Surgery  
Director, Laparoscopic Living Donor Nephrectomy Program  
Center for Minimally Invasive Surgery  
*University of Kentucky College of Medicine*  
Lexington, Kentucky

**VI. Executive Board Positions**

2011 - present      Oregon Medical Board Member  
2010 - present      Oregon Medical Association, Trustee  
2007 - 2008          President, Central Oregon Medical Society  
2005 – 2008          Central Oregon Independent Practitioners Association (COIPA)  
2003 – 2010          President, Immersive Medical Systems  
2004 – 2005          Medical Advisory Board, Volugraphics, Inc.

**VII. Hospital Committees**

2011 – present      SCMC – Medical; Informatics Committee  
2010 – 2011          SCMC - Chief of General Surgery  
2003 – 2011          SCMC – Surgical Services Committee  
2003 – Present      SCMC – Trauma Quality Review Committee  
2003 – Present      SCMC – Cancer Services Committee  
2003 – 2007          SCMC – Electronic Medical Record Clinical Content Committee

**VIII. Licensure**

1998 – Present      Medical License, Oregon      MD21444 (Active)  
1998 – Present      Medical License, Kentucky    34363 (Inactive)  
1997 – Present      Medical License, Maryland    D52330 (Inactive)  
1997 – Present      Medical License, Illinois      036-095819 (Inactive)

**IX. Board Certification**

American Board of Surgery – Recertified 2011  
Diplomate National Board of Medical Education (NBME I/II/III)

**X. Editorial Boards**

2000 – 2004          Current Surgery: Peer Review Journal Editorial Board Member  
2000 – 2004          Current Surgery: Section Editor “Current Reviews in Gastrointestinal,  
Minimally Invasive, and Endocrine Surgery.”

**XI. Professional Memberships**

American Medical Association (AMA),  
American College of Surgeons (ACS),  
Society of American Gastrointestinal and Endoscopic Surgeons (SAGES),  
Southeast Surgical Congress (SESC),  
American Society of Gastrointestinal Endoscopists (ASGE),  
Society of Laparoendoscopic Surgeons (SLS),  
American Hernia Society (AHS),  
Sigma Xi.

**XII. Other Significant Scholarly, Research, or Administrative Experience**

**Teaching Activities**

- 2000 – 2003 Faculty  
BIO 395 / EXP 396  
University of Kentucky Department of Biology
- 2000 – 2003 Preceptor  
Outreach Center for Science and Health Career Opportunities  
University of Kentucky Premedical Students
- 1999 – 2003 Preceptor  
Summer Research Fellowship Program  
University of Kentucky Medical Students
- 1998 – 2003 Faculty Liaison  
Abdominal Workshop  
Third-Year Medical Student Surgical Clerkship  
University of Kentucky School of Medicine
- 1998 – 2003 Faculty  
Minimally Invasive Surgery Resident Curriculum Development  
Developed a 12-module curriculum for PGY1-PGY3 surgery residents  
Developed corresponding skills training modules
- 1998 – 2003 Preceptor  
Resident Morning Conferences
- 1998 – 2003 Preceptor  
MIS Teaching Rounds
- 1999 – 2003 CME Lecturer  
Annual Family Medicine Review  
University of Kentucky  
Regional/National Practicing Physicians
- 1999 – 2003 CEE Lecturer

Minimally Invasive Nursing Course: Meeting Perioperative Challenges in  
the Millennium  
Regional/National Practicing OR Nurses

- 1998 – 2003 CME Lecturer and Lab Instructor  
Laparoscopic Ventral Incisional Hernia Repair Course  
University of Kentucky CME  
Regional/National Practicing Surgeons
- 1998 – 2003 Assistant Professor, Division of General Surgery  
Department of Surgery  
University of Kentucky Medical Center  
Lexington Kentucky
- 1998 Proctor – Right Live Donor Nephrectomy  
Georgetown University, Washington, D.C.
- 1997 – 1998 Instructor  
Laparoscopic Skills Course & Surgical Endoscopy Rotation  
Department of Surgery, University of Maryland

### **XIII. Research Fellows, Graduate Students, and Postdoctoral Fellows**

#### **Minimally Invasive Surgery Fellows**

- 1998 – 1999 J. Scott Roth, M.D. Assistant Professor of Surgery  
University of Maryland Medical Center
- 1999 – 1999 Dan Birch, M.D. Assistant Professor of Surgery  
Hamilton, Ontario
- 1999 – 2000 Gudjon Birgisson, M.D. Assistant Professor of Surgery  
Reykjavik, Iceland
- 2000 – 2001 Uyen Chu, M.D. Surgical Practice  
Lafayette, Louisiana
- 2001 – 2002 Carl Weiss, M.D. Assistant Professor of Surgery  
SUNY Syracuse, NY
- 2001 – 2003 Gina Adrales, M.D. Assistant Professor of Surgery  
Medical College of Georgia
- 2002 – 2004 Rod McKinlay, M.D. Surgical Practice  
Salt Lake City, Utah

### **XIV. Current Research Support/Activities**

**XV. Previous Research Support/Activities**

iMedic (Immersive Medical Environment for Distributed Intuitive Consultation)  
Contractor (Immersive Medical Systems, Inc./Univ. of Maryland Medical Center)  
Principle Investigator: Paul Mlyniec, Digital ArtForms, Inc., Los Gatos, CA,  
Proposal 05021002, HSRRB Log A-13708  
Phase I funding amount: \$225,000

Cox-2 Inhibitor for Colon Polyposis (Celebrex)  
Pfizer – Sub-Investigator

MK-0826 (Ertapenem) CD Protocol ERT527  
Merck – Sub-Investigator

An Evaluation of the Endonetics Gatekeeper System in the Treatment of Patients with  
Gastroesophageal Reflux Disease (GERD)  
Protocol #: ENDO 2000-007  
Funding Agency: Medtronic  
Funding Period: August 1, 2001 – September 1, 2003  
Funding Amount: \$54,000  
Sub-Investigator

Prevention of Sporadic Colorectal Adenomas with Celecoxib  
Funding Agency: Searle/NCI  
Protocol #: NCI-NO1-CN-9501-GD/Searle IQ4-99-02-005  
Funding Period: April 1, 2001 – April 31, 2005  
Funding Amount: \$128,000  
Sub-Investigator

Safety and Efficacy of Recombinant Human Interleukin-10 (TENOVIL) in Prevention  
of Post-ERCP Acute Pancreatitis in Subjects with Increased Risk  
Protocol #: P02580-13  
Funding Agency: Schering-Plough Research Institute  
Funding Period: March 15, 2002 – March 15, 2003  
Funding Amount: \$118,800

3-D Reconstruction of CT Angiograms for Evaluation of Renal Donors  
Supported by Center Grants from Tyco-USSC/Stryker

CVAS – Computerized Volumetric Analysis System  
Silicon Graphics Incorporated (SGI) – computers and technical support  
Template Graphics Incorporated (TGS/Indeed) – software and technical support  
Barco, International – use of stereoscopic projectors and technical support  
Principle Investigator

ARTEMIS/REMIS/LTS

Computer Simulation for Laparoscopic Patient Positioning and Skills Training  
Development of an ImersaDesk Based Minimally Invasive Surgery Simulator  
Health Services Research University of Kentucky – Research Fund

## **XVI. Manuscripts**

Determinants of Competency Judgments by Experienced Laparoscopic Surgeons, Adrales GL, Donnelly MB, Chu UB, Witzke DB, Hoskins JD, Mastrangelo MJ Jr, Gandsas A, Park AE. Surg Endosc. 2004 Feb; 18(2):323-7. Epub 2003 Dec 29.

A Valid Method of Laparoscopic Simulation Training and Competence Assessment. Adrales GL, Park AE, Chu UB, Witzke DB, Donnelly MB, Hoskins JD, Mastrangelo MJ Jr, Gandsas A. J Surg Res. 2003 Oct;114(2):156-62.

Laparoscopic Adrenalectomy: Indications and Technique. McKinlay R, Mastrangelo MJ Jr, Park AE. Curr Surg. 2003 Mar-Apr;60(2):145-9.

Evaluating Minimally Invasive Surgery Training Using Low-Cost Mechanical Simulations. Adrales GL, Chu UB, Witzke DB, Donnelly MB, Hoskins D, Mastrangelo MJ Jr, Gandsas A, Park AE. Surg Endosc. 2003 Apr; 17(4):580-5. Epub 2003 Feb 17.

Inclusion of 3-D Computed Tomography Rendering and Immersive VR in a Third Year Medical Student Surgery Curriculum. Michael J. Mastrangelo, Jr., M.D., Gina Adrales, M.D., Ivan George, Wayne Witzke, Margaret Plymale, Don Witzke, Ph.D., Mike Donelley, Ph.D., Jeremy Stich, Mat Nichols, M.D., Ph.D., Adrian E. Park, M.D. Proceedings of medicine Meets Virtual Reality 2003. Stud Health Technol Inform. 2003;94:199-203.

Laparoscopic Fundoplication. Lahmann BE, Weiss CA, Adrales GL, Mastrangelo, MJ Jr, Park A. Curr Surg. 2003 Jan-Feb;60(1):34-6.

The Minimally Invasive Surgical Approach to Achalasia: New Standard of Care? Adrales G, Mastrangelo MJ Jr and Schwartz R. Current Surgery Nov/Dec 2002 issue, volume 59(6).

Minimally Invasive Parathyroidectomy and Parathyroid Imaging. UB Chu, MJ Mastrangelo Jr. Current Surgery 59(5) 454-459, 2002

Advancements in Immersive Virtual Reality as a Tool for Preoperative Planning for Laparoscopic Surgery. Mastrangelo MJ Jr, Stich J, Hoskins J, Witzke W, George I, Garrison J, Nicholls M and Park AE. Proceedings of Medicine Meets Virtual Reality 02/10. 274-79, 2002. / Stud Health Technol Inform. 2002;85:274-9.

Using Semi-Automated Image Processing and Desktop Systems to Incorporate Actual Patient Volumetric Data into Immersive Surgical Planning and Viewing Systems for Multiple Patients. George I, Mastrangelo MJ Jr, Witzke W, Stich J, Garrison J, Witzke D, Nicholls M, Park A. Proceedings of Medicine Meets Virtual Reality 02/10. January 2002;155-59. Stud Health Technol Inform. 2002;85:155-9.

Laparoscopic Cholecystectomy: Technical Considerations. Lahmann B, Adrales G, Mastrangelo M, Schwartz R. Current Surgery 59(1):55-58, 2002.

A Criterion-Referenced Approach to Assessing Perioperative Skills in a VR Environment. Witzke W, Witzke D, Hoskins J, Mastrangelo MJ Jr, Chu U, George I, Park A. IEEE Computer Society Proceedings August 2001;291 - 294.

Obesity and Laparoscopic Repair of Ventral Hernias. Birgisson G, Park A, Mastrangelo MJ Jr, Witzke D, Chu U. Surgical Endoscopy 2001;15:1419-1422.

Multiple Renal Arteries do not Pose an Impediment to the Routine Use of Laparoscopic Donor Nephrectomy. Johnston T, Reddy K, Mastrangelo MJ Jr, Lucas B, Ranjan D. Clin Transplant. 2001;14 Suppl 6:62-5.

Cyclosporin Directly Causes Oxidative Stress and Promotes Epstein-Barr virus transformation of human B cells. Chen C, Johnston TD, Reddy KS, Merrick JC, Mastrangelo M, and Ranjan D. J Surg Res. 2001 Oct :100(2) :166-70.

A Pilot Study of New Approaches to Teaching Anatomy and Pathology: The Laparoscopic View for Medical Students. Park A, Schwartz RW, Witzke DB, Roth JS, Mastrangelo MJ Jr, Birch DW, Jennings CD, Lee EW, Hoskins J Surgical Endoscopy 2001;15(3):245 - 250.

Immersive Virtual Reality Used as a Platform for Perioperative Training for Surgical Residents. Witzke D, Hoskins J, Mastrangelo MJ Jr, Witzke W, Chu U, Pande S, Park A. Student Health Technology Information 2001;81:577 - 83.

Using Immersive VR as a Tool for Preoperative Planning for Minimally Invasive Donor Nephrectomy. Mastrangelo MJ Jr, Hoskins J, Nicholls M, Munch L, Johnston T, Reddy K, Ranjan D, Witzke W, Park A. Student Health Technology Information. 2001;81:298 - 304.

Laparoscopic Splenectomy. Chu U, Park A, Mastrangelo MJ Jr. Current Surgery; 2001 58(1):63 - 67.

Laparoscopic Dissecting Instruments. Park A, Chu U, Mastrangelo MJ Jr, Gandsas A, Quick N. McFadyen B, Cushieri A ed. Seminars in Laparoscopy Surgery. March 2001. 8(1)42 - 52.

Laparoscopic Management of Crohn's Disease. Chu U, Mastrangelo MJ Jr, Park A. Current Surgery 2001;58(3):293 - 298.



Laparoscopic Localization and Management of Lower Gastrointestinal Vascular Lesions. Bernard A, Mastrangelo MJ Jr, and Schwartz R. Current Surgery 2000;57(4):313 - 316.

Laparoscopic Splenectomy: Outcomes and Lessons Learned from Over 200 Cases. Park A, Birgisson G, Mastrangelo MJ Jr, Marcaccio and Witzke D. Surgery 2000;128(4):660 - 667.

Endoscopic Retrograde Cholangiopancreatography in the Management of Choledocholithiasis. Park A, Mastrangelo, MJ Jr Surg Endoscopy 2000;14:219 - 226.

Laparoscopic Incisional Herniorrhaphy: 5 Year Review. Roth JS, Park A, Witzke D, Mastrangelo MJ Jr. Hernia 1999;4:209 - 214.

Hippocampal Membranes Contain a Neurotrophic Activity That Stimulates Cholinergic Properties of Fetal Rat Septal Neurons Cultured Under Serum-Free Conditions. Emerit MB, Segovia J, Alho H, Mastrangelo MJ Jr, and Wise BC Journal of Neurochemistry 1989;52:952 - 961.

## **XVII. Presentations**

### **National / International Presentations**

Designing Compelling Medical Games. Stanford University / SUMMIT / TATRC. Stanford California, October 6-8, 2005, Panel Moderator.

Applications for Autostereoscopic Display and Printing in Minimally Invasive Surgery. Mastrangelo MJ Jr, Joel AJ. Emerging Technologies Section, SAGES, April 13-6,2005, Ft. Lauderdale, FL

Gaming and Medical Simulation Workshop, MMVR 2005. Long Beach, CA January 23, 2005. Stanford University / SUMMIT: Panel Moderator.

Immersive Real-Time Tele-Collaboration of Complex Volumetric Medical Imaging for Surgical Planning. Mastrangelo MJ Jr, Sheetz M, Bumgardner C, George I, Mylniec P, Bellinghausen J. Internet2/National Library of Medicine / Radiological Society of North America Annual Meeting, Chicago, Illinois. November 30, 2004

Immersive Real-Time Tele-Collaboration of Complex Volumetric Medical Imaging for Surgical Planning. Mastrangelo MJ Jr, Sheetz M, Bumgardner C, George I, Mylniec P, Bellinghausen J. Internet2/National Library of Medicine / Radiological Society of North America Annual Meeting, Chicago, Illinois. December 1, 2003

Improving the Workflow of Medical Imaging with Immersive Visualization. Mastrangelo, MJ Jr. EAGE 2003, Stavanger, Norway. July 1, 2003

Developing a Laparoscopic Donor Nephrectomy Program: A Four-Year Experience. MJ Mastrangelo Jr, LC Munch, TD Johnston, KS Reddy, T Khan, B Lucas, AE Park, D Ranjan. SAGES 2003 Annual Meeting, Los Angeles, CA. (poster).

Computed Tomography Volumetric Analysis for the Demonstration and Diagnosis of Nutcracker Phenomenon in a Patient Being Considered for Live Donor Nephrectomy. IM George, J Stich, MJ Mastrangelo Jr. SAGES 2003 Annual Meeting, Los Angeles, CA. (poster).

Inclusion of 3-D Computed Tomography Rendering and Immersive VR in a Third Year Medical Student Surgery Curriculum. MJ Mastrangelo Jr, GL Adrales, IM George, WO Witzke, M Plymale, D Witzke, M Donelley, J Stich, J Hoskins, M Nichols, and AE Park. MMVR January 22-25, 2003, Newport Beach, CA

Assessment of Competence Using Laparoscopic Simulations: A Valid Method of Training and Evaluation. Gina L. Adrales, MD, Uyen B. Chu, MD, Donald B. Witzke, PhD, Michael B. Donnelly, PhD, James D. Hoskins, BS, Michael J. Mastrangelo, Jr., MD, Alejandro Gandsas, MD, and Adrian E. Park, MD. The Association for Academic Surgery 2002 Annual Meeting, Boston Nov 7-9.

Minimally Invasive Surgery Stereoscopic Grand Rounds: Improving the Utility of Medical Imaging for Educational, Clinical and Research Applications via Augmented and Virtual Reality. MJ Mastrangelo Jr, IM George, W Witzke, J Stich, J Hoskins, M Nichols, A Vyas, D Matthews, C Kwolek, J Herman, AE. Park. SMIT2002, 14th Annual Conference of the Society for Medical Innovation and Technology, Oslo, Norway September 5-7 2002.

The Transmission of Actual Patient Data from a Remote Location to an Operating Room with Real-time Collaboration and Image Control. I George, MJ Mastrangelo Jr, W Witzke, J Stich, AE Park. SMIT2002, 14th Annual Conference of the Society for Medical Innovation and Technology, Oslo, Norway September 5-7 2002.

Improving the Utility of Medical Imaging via Augmented and Virtual Reality. MJ Mastrangelo Jr. Emerging Technologies Session, SIGGRAPH 2002. July 23, 2002 San Antonio, Texas (invited presentation) Complete Intracorporeal Repair of a Diaphragmatic Injury. Holley P, Munch L,

Mastrangelo MJ Jr. American Urological Association 97<sup>th</sup> Annual Meeting. Orlando, FL. May 25 – 30, 2002 (video presentation).

The Applicability and Outcome of Laparoscopic Gastric Resection. Adrales G, Pollinger H, Kercher K, Mastrangelo MJ Jr, Heniford T, Park A. The Society for Surgery for The Alimentary Tract 43<sup>rd</sup> Annual Meeting. San Francisco, CA. May 19 – 22, 2002.

Analysis of Practice Time Data and the Relationship to Evaluation Time Performance on Minimally Invasive Surgery (MIS) Inanimate Procedure Model Simulations. Donnelly M, Hoskins J, Chu U, Witzke D, Adrales G, , Mastrangelo MJ Jr, Gandsas

A, Park A. Twenty-Second Annual Meeting of the Association of Surgical Education. Baltimore, MD. April 4 – 6, 2002.

The Relationship of Psychomotor Ability to Minimally Invasive Surgery (MIS) Technical Skills Performance. Witzke D, Adrales G, Donnelly M, Chu U, Hoskins J, Mastrangelo MJ Jr, Gandsas A, Park A. Twenty-Second Annual Meeting of the Association for Surgical Education. Baltimore, MD. April 4 – 6, 2002 (poster).

The Applicability and Outcome of Laparoscopic Gastric Resection. Adrales G, Polinger H, Matthews B, Kercher K, Mastrangelo MJ Jr, Heniford B, Park A. SAGES 8<sup>th</sup> World Congress of Endoscopic Surgery. March 13 – 16, 2002. New York, NY.

Evaluating Minimally Invasive Surgery (MIS) Training Using Low Cost Mechanical Simulations: Reliability Among Surgeon Ratings. Chu U, Adrales G, Hoskins J, Witzke D, Donnelly M, Mastrangelo MJ Jr, Gandsas A, Park A. SAGES 8<sup>th</sup> World Congress of Endoscopic Surgery. New York, NY. March 13 – 16, 2002 (oral presentation).

The Involvement of Perceptual Motor Factors in the Performance of Minimally Invasive Surgical (MIS) Skills. Donnelly M, Witzke D., Mastrangelo MJ Jr, Park A. SAGES 8<sup>th</sup> World Congress of Endoscopic Surgery. New York, NY. March 13 – 16, 2002 (oral presentation).

Determinants of Competency Judgments by Experienced Laparoscopic Surgeons. Adrales G, Chu U, Donnelly M, Witzke D, Hoskins J, Mastrangelo MJ Jr., Gandsas A, Park A. SAGES 8<sup>th</sup> World Congress of Endoscopic Surgery. New York, NY. March 13 – 16, 2002 (oral presentation).

Enhanced Preoperative Planning for Laparoscopic Donor Nephrectomy via 3-D Image Processing. Mastrangelo MJ Jr., Adrales G, George I, Stich J, Hoskins J, Witzke W, Garrison J, Chu U, Weiss C, Nicholls M, Munch L, Johnston T, Reddy K, Ranjan D, Buck J, Park A. SAGES 8<sup>th</sup> World Congress of Endoscopic Surgery. New York, NY. March 13 – 16, 2002 (video presentation).

Minimal Access Nephrectomy for Renovascular Hypertension. Mastrangelo MJ Jr. The Southeastern Surgical Congress. Nashville, TN. February 1 – 5, 2002 (poster).

Using Semi-Automated Image Processing and Desktop Systems to Incorporate Actual Patient Volumetric Data into Immersive Surgical Planning and Viewing Systems for Multiple Patients. George I, Mastrangelo MJ Jr, Witzke W, Stich J, Garrison J, Witzke D, Nicholls M, Park A. 10<sup>th</sup> Annual Medicine Meets Virtual Reality Conference. Newport Beach, CA. January 23 – 26, 2002.

The Incorporation of Multiple Real Patient Volumetric Data into Immersive Surgical Planning and/or Viewing Systems by Using Semi-Automated Image Processing and Desktop Systems. George I, Mastrangelo MJ Jr, Hoskins J, Witzke W, Stich J, Garrison J, Witzke D, Park A. 10<sup>th</sup> Annual Medicine Meets Virtual Reality Conference. Newport Beach, CA. January 23 – 26, 2002 (oral presentation).

Advancements in Immersive Virtual Reality as a Tool for Preoperative Planning for Laparoscopic Surgery. Mastrangelo MJ Jr, Stich J, Hoskins J, Witzke W, George I, Garrison J, Nicholls M, Park A. 10<sup>th</sup> Annual Medicine Meets Virtual Reality Conference: Stereoscopic Session. Newport Beach, CA. January 23 – 26, 2002 (oral presentation).

The Relationship of Cognitive Ability to Minimally Invasive Surgery (MIS) Technical Skills Performance. Witzke D, Adrales G, Donnelly M, Hoskins J, Chu U, Mastrangelo MJ Jr, Gandsas A, Park A. Association of Surgical Education. Baltimore, MD. November 9, 2001

Determination of Competence as a Function of Expert Surgeon Judgment and Technical Performance. Adrales G, Chu U, Witzke D, Donnelly M, Hoskins J, Mastrangelo MJ Jr, Gandsas A, Park A. Association of Surgical Education. Baltimore, MD. November 9, 2001

A Criterion-Referenced Approach to Assessing Perioperative Skills in a VR Environment. Witzke W, Witzke D, Hoskins J, Mastrangelo MJ Jr, Chu U, George I, Park A, IEEE International Conference on Advanced Learning Technologies Issues, Achievements and Challenges. Madison WI. August 6 – 8, 2001.

Outcomes in Laparoscopic Living Donor Nephrectomy: The Minimally Invasive Surgeon's Perspective. Mastrangelo MJ Jr. International College of Surgeons Annual Meeting. Orlando, FL. July 7th, 2001.

Laparoscopic Repair of Recurrent Ventral Hernia. Park A, Chu U, Mastrangelo MJ Jr., Witzke D. XXIII International Congress of the European Hernia Society. Milan, Italy, June 21 – 23, 2001.

Laparoscopic Incisional Herniorrhaphy With Suture Fixation: A Mandatory Step. Park A, Chu U, Mastrangelo MJ Jr, Gandsas A. American Hernia Society. May 24-26, 2001.

American Surgical Residency Programs Are Not Meeting Current nor Anticipated Minimally Invasive Surgery (MIS) Training Needs. Park A, Witzke D, Mastrangelo MJ Jr, Donnelly M. Society for Surgery of the Alimentary Tract. May 2001.

The Educational Implications of The Importance of Clinical Judgment in Performing Laparoscopic Skills. Donnelly M, Witzke D, Mastrangelo MJ Jr, Park A. Society of Gastrointestinal Endoscopic Surgeons. April 2001 (poster).

Number of Minimally Invasive Surgery (MIS) Cases Required for Competency. Chu U, Park A, Witzke D, Donnelly M, Mastrangelo MJ Jr. Society of Gastrointestinal Endoscopic Surgeons. April 2001 (poster).

A 10 Year Experience With Foregut Strand Tumors. Chu U, Mastrangelo MJ Jr., Gandsas A, Park A. Kentucky Chapter American College of Surgeons. Louisville, KY.

February 16, 2001.

Using Immersive Virtual Reality as a Tool for Pre-Operative Planning for Minimally Invasive Donor Nephrectomy. Mastrangelo MJ Jr. Medicine Meets Virtual Reality 2001 Annual Conference. Newport Beach CA. January 23 - 28, 2001 (podium presentation).

Immersive Virtual Reality Used as a Platform For Preoperative Training For Surgical Residents. Witzke D, Hoskins J, Mastrangelo MJ Jr, Witzke W, Chu U, Pande S, Park A. Medicine Meets Virtual Reality 2001 Annual Conference. Newport Beach CA. January 23 - 28, 2001.

A System for Training and Assessing Perioperative Skills in an Immersive VR Environment Using a Criterion Referenced Approach. Witzke W, Witzke D, Hoskins J, Mastrangelo MJ Jr, Chu U, George I, Park A. ICALT.

Minimally Invasive Excision of Benign Submucosal Foregut Tumors. Mastrangelo MJ Jr, Nickl N, Birgisson G and Park A. Society of Laparoscopic Surgeons Annual Meeting: 9th International Meeting of Laparoendoscopic Surgeons. Orlando FL. December 7, 2000 (podium presentation).

Laparoscopic Reversal of a Jejunioileal Bypass. Mastrangelo, MJ Jr, Roth JS, Schwartz R, and Park AE. Society of Laparoscopic Surgeons Annual Meeting: 9th International Meeting of Laparoendoscopic Surgeons. Orlando FL. December 7, 2000 (podium presentation).

Defining Laparoscopic Skills by Surgeon Consensus: Results of a Pilot Study. Donnelly M, Witzke D, Mastrangelo MJ Jr, Birch D, Park A. American Association of Medical Colleges. Chicago IL. October 27 – 29, 2000. (poster)

Laparoscopic Nissen Fundoplication: Live Telesurgery Performed by Mastrangelo MJ Jr, Moderator, Park A. American College Surgeons Annual Meeting. Auditorium (Stryker Endoscopy). Chicago, IL. October 2000.

Multiple Renal Arteries Do Not Pose An Impediment To Routine Use of Laparoscopic Donor Nephrectomy. Johnson TD, Mastrangelo MJ Jr, Reddy S, Lucas B, Ranjan D. SEOPF Annual Meeting, Norfolk VA. September 2000 (podium presentation).

Laparoscopic Operative Setup Training and Evaluation. A Virtual Reality Approach at the University of Kentucky College of Medicine. Mastrangelo MJ Jr, Hoskins J, Witzke W, Witzke D, and Park A. Twelfth Annual Slice Of Life: Computers in Healthcare Education Symposium, University of Utah, Salt Lake City, UT. July 1, 2000 (podium presentation).

Laparoscopic Repair of Recurrent Ventral Hernia. Park A, Chu U, Mastrangelo MJ Jr, Witzke D. American Hernia Society 9th International Hernia Congress. June 2000.

Early Exposure to Laparoscopic Anatomy for First Year Medical Students. Association for Surgical Education. Witzke D, Park A, Birgisson G, Mastrangelo MJ Jr, Roth S, Charash W, Schwartz R, Maley B. April 2000.

Determining Surgical Residents. Minimally Invasive Surgery Core Training Requirements: A Pilot Study. Witzke D, Donnelly M, Birgisson G, Mastrangelo MJ Jr, Birch D, Charash W, Park A. Association for Surgical Education. April 2000.

Morbid Obesity and Laparoscopic Repair of Ventral Hernias. Birgisson G, Park A, Mastrangelo, MJ Jr Society of American Gastrointestinal Endoscopic Surgeons annual Meeting, Atlanta GA. March 30, 2000.

New Approaches to Teaching Anatomy and Pathology: The Laparoscopic View for Medical Students. Park A, Witzke DB, Roth JS, Mastrangelo MJ Jr, Birch DW, Jennings CD, Lee EY, and Hoskins J. Society of American Gastrointestinal Endoscopic Surgeons Annual Meeting, Atlanta GA. March 29 – April 1, 2000.

Obesity and Laparoscopic Repair of Ventral Hernias. Birgisson G, Park A, Mastrangelo, MJ Jr. SAGES Annual Conference Atlanta GA. March 29 – April 1, 2000.

Therapeutic Laparoscopy of the Pancreas. Park A, Heniford T, Mastrangelo MJ Jr. SAGES Annual Conference. Atlanta GA, March 29 – April 1, 2000.

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Gastroesophageal reflux disease: Medical, Surgical and Endoluminal options. Mastrangelo MJ Jr. UK Annual Family Medicine Review. Hyatt Regency, Lexington KY. May 2002.

Improving the Utility of Medical Imaging for Educational, Clinical and Research Applications via Augmented and Virtual Reality. Mastrangelo MJ Jr. Multidisciplinary Immersive/Stereoscopic Medicine Grand Rounds. Lexington, KY. March 20, 2002.

Differences in Muscle Activation Patterns During Minimally Invasive Surgical Training Procedure Using Three Different Grasper Designs. Adrales G, Chu U, Witzke D, Donnelly M, Hoskins J, Mastrangelo MJ Jr, Gandsas A, Park A. Kentucky Medical Association Meeting. April 2002.

Biomaterials in Incisional Hernia Repair. Mastrangelo MJ Jr. Laparoscopic Ventral Incisional Hernia Repair Course. UK Center for Minimally Invasive Surgery. Lexington, KY. April 5, 2002.

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GERD: Medical vs. Minimally Invasive Surgical Therapy . “The Pill vs. The Knife?” Mastrangelo MJ Jr. UK Annual Family Medicine Review. Hyatt Regency, Lexington KY. May 21, 2001.

Biomaterials in Incisional Hernia Repair. Mastrangelo MJ Jr. Laparoscopic Ventral Incisional Hernia Repair Course: UK Center For Minimally Invasive Surgery. Lexington KY. March 23, 2001.

The Expanding Role of Minimally Invasive Surgery for Your Patients. Mastrangelo MJ Jr. 32<sup>nd</sup> Annual Family Medicine Review Lexington KY. February 18 - 23 2001.

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Advances in Minimally Invasive Therapy for GI Cancer. What’s New in GI Cancer: Minimally Invasive Treatment Options for Invasive Disease. Mastrangelo MJ Jr, Panel co-moderator, Park A. Hilton Suites, Lexington KY. November 17, 2000.

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Minimally Invasive Kidney Donation. Mastrangelo MJ Jr. Kentucky Organ Donor Affiliated (KODA) Annual Meeting. Lexington KY. October, 2000.

Minimally Invasive Live Donor Nephrectomy: The New Gold Standard? Mastrangelo MJ Jr. Kentucky Chapter of The American College of Surgeons Fall Meeting, Louisville KY. September 19, 2000.



The Expanding Role of Minimally Invasive Surgery for Your Patients. Mastrangelo MJ Jr. 31st Annual Family Medicine Review. Hyatt Regency. Lexington, KY. May 26, 2000.

Laparoscopic Live Donor Nephrectomy: Teamwork in the OR. Mastrangelo MJ Jr. Minimally Invasive Nursing Course: Meeting Perioperative Challenges in the Millennium. Lexington KY. May 19, 2000 (presentation).

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Pancreatitis, Multidisciplinary GI conference. SCMC, Bend, Oregon November 2003

The Potential Application of Computed Volumetric Analysis Systems and Minimally Invasive Surgical Technologies in Pathology. Mastrangelo MJ Jr. UK Department of Pathology Research Conference. Lexington, KY. January 11, 2002.

From Whalebone to Laparoscope: Four Centuries of Achalasia Therapy. Mastrangelo MJ Jr. UK Department of Surgery Grand Rounds. January 31, 2001.

Minimally Invasive Surgery: Benefits and Effects For Older Patients. Mastrangelo MJ Jr. UK Sanders-Brown Center on Aging Seminar Lecture Series. Lexington KY. December 15, 2000.

Laparoscopic Live Donor Nephrectomy: Technique and Perioperative Considerations. Mastrangelo MJ Jr. Bluegrass AORN, Lexington, Kentucky March 27, 2000.

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