**Curriculum Vitae**

# General Information

Home address: 1940 Common Way Road

Orlando, FL 32814

Cell: 1-407-821-5757

DOB: 08/08/1969, Bogota, Colombia

Current position: Professor of Clinical Surgery at FSU and UCF

General, MIS and Robotic Surgeon at Orlando Health

Marital status: Married

Citizenship: United States

Languages: English and Spanish

Email: [estebanvarelamd@gmail.com](mailto:estebanvarelamd@gmail.com)

**Summary**

Double Diplomate of the American Board of Surgery (DABS) and the American Board of Obesity Medicine (DABOM) with advanced fellowship training in Minimally invasive (Laparoscopic), Robotic Xi System, Esophageal, Metabolic and Bariatric Surgery. Backgrounds in public health (MPH), clinical trials and business administration (MBA) with concentrations in entrepreneurship and global business. Experience creating successful weight management programs. Have trained hundreds of surgical students, residents and fellows receiving teaching awards. Fellow of the American College of Surgeons and American Society of Metabolic and Bariatric Surgery. Have performed innovative surgical techniques. Have brought medical devices from R&D to market. Research interests in obesity, diabetes, metabolism and stem cell therapy. Principal Investigator and researcher with prior funding by the NIH & NIDDK and the VA healthcare system. Recipients of the NIH "Award for Clinical Scientists", SAGES "Golden Laparoscope" and VA "New Investigator" Awards. Founding member of SAGES FUSE program. >100 peer reviewed publications and book chapters including NATURE rev, JAMA Surg, Ann Surg, others. >8,000 Google Scholar citations. Member at ACHE, ACS, ASMBS, SAGES, SSAT, AVAS and AfPE. Prior leadership experience as Chair of Surgery, Vice-Chief of Medical Staff, Chair of Credentials Committee and member of the Medical Executive Committee at HCA Florida. Past member of Quality and Safety, Robotic, ERAS, ICU, PPE Committees. Currently Professor of Clinical Surgery at FSU and UCF and MIS and Robotic Surgeon at Orlando Health. Past Chair of the Diversity and Inclusion Committee at ACHE.

# Education

1989-1995 Doctor of Medicine

Universidad Nacional de Colombia

1996-1997 Resident in General Surgery

Universidad Nacional de Colombia

1997-2000 Research Fellowship in Critical Care

University of Miami, FL

1998-2000 Master of Public Health University of Miami, FL

2000-2005 Resident in General Surgery

University of Illinois at Chicago, IL

2005-2006 Fellowship in Advanced Minimally Invasive/Bariatric Surgery University of California at Irvine, CA

2011-2012 Master of Business Administration

Olin Business School, Washington University in St. Louis MO

2019-2019 Certificate in Leadership Strategies for Healthcare Executives Harvard Chan School of Public Health, Boston MA

2021 Certificate in Quality and Safety in Clinical Operations

Harvard Medical School

2021 Certificate in Diversity, Equity and Inclusion in the Workplace

University of South Florida, Muma School of Business

# Honors & Awards

1990-1994 Full Tuition Honor Scholarship

Universidad Nacional de Colombia

1995 Highest GPA Award

Universidad Nacional de Colombia

1995 Doctor of Medicine with Honors (*Valedictorian*) Universidad Nacional de Colombia

1999 The Quillian Jones M.D. Research Award American College of Surgeons FCOT

2000 Award of Academic Merit

Master in Public Health, University of Miami

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| 2005 | Outstanding Laparoendoscopic Resident Award Society of Laparoendoscopic Surgery |
| 2005 | Surgery Best Resident Teacher Award University of Illinois at Chicago |
| 2007 | New Investigator Award  Veterans Affairs Health Care System |
| 2008 | Elected Fellow  American College of Surgeons |
| 2009 | Elected Fellow  American Society of Metabolic and Bariatric Surgery |
| 2011 | SAGES “Golden Laparoscope*”* Young Researcher Award Society of American Gastrointestinal & Endoscopic Surgeons |
| 2012 | Research Grant Award for Clinical Scientists National Institutes of Health/NIDDK |

# Academic Appointments

2004-2005 Clinical Instructor in Surgery

University of Illinois at Chicago

2005-2006 Clinical Instructor in Minimally Invasive Surgery

University of California Irvine

2006-2010 Assistant Professor of Surgery

University of Texas Southwestern

2010-2014 Associate Professor of Surgery

Washington University in St. Louis

2017-Present Professor of Clinical Surgery

University of Central Florida

2017-Present Professor of Clinical Surgery

Florida State University

# Hospital Appointments

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| 1995-1996 | Social Service Staff Physician  San Jose Hospital, Acacias, Colombia |
| 2006-2009 | Director of Minimally Invasive and Bariatric Surgery VISN 17 North Texas VAMC, Dallas TX |

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| 2006-2009 | Staff General/Bariatric Surgeon |
|  | VISN 17 North Texas VAMC, Dallas TX |
| 2006-2009 | Staff General/Bariatric Surgeon |
|  | Parkland Memorial Hospital, Dallas TX |
| 2010-2014 | Staff General/Bariatric Surgeon |
|  | Barnes-Jewish Hospital, St. Louis MO |
| 2010-2014 | Director of the Adolescent Bariatric Program |
|  | Children’s Hospital, St. Louis MO |
| 2015-2017 | Staff General/Bariatric Surgeon |
|  | SIH Medical Group, IL |
| 2017-2018 | Chairman of Department of Surgery |
|  | HCA Oviedo Medical Center, FL |
| 2017-2019 | Medical Executive Committee Member |
|  | HCA Oviedo Medical Center, FL |
| 2017-2019 | HCA Physician Brand Champion |
|  | North Florida Market, FL |
| 2017-2019 | Quality and Patient Safety Committee Member |
|  | HCA Oviedo Medical Center |
| 2019 | Vice Chief of Medical Staff |
|  | HCA Oviedo Medical Center |
| 2019 | Chair of Credentials Committee |
|  | HCA Oviedo Medical Center |
| **Teaching Activities** | |
| 2000 | ATLS Instructor |
|  | American College of Surgeons |
| 2005 | Resident’s Annual Laparoscopy Course Co-Director University of California Irvine |
| 2005 | Minimally Invasive Surgery Lecture M3 Students |
|  | University of California Irvine |
| 2006 | Laparoscopic Resident’s Skills Laboratory |
|  | Dallas VA Medical Center |

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| 2006 | LAP Mentor™ Resident Training |
|  | University of California Irvine |
| 2008 | Innovations in Endoscopy and MIS |
|  | Faculty University of Texas Southwestern |
| 2008 | Laparoscopic Colectomy Course |
|  | Faculty University of Texas |
| 2009 | ASMBS Postgraduate Course Faculty |
|  | Single Incision Laparoscopic Surgery, Dallas |
| 2009 | SAGES Single Site Laparoscopic Surgery Faculty |
|  | Asian-Pacific Ethicon Endo-Surgery |
| 2009 | Current Topics in General Surgery Faculty |
|  | University of Texas Southwestern |
| 2009 | Surgery Medical Student Lecture Series |
|  | UTSW Dept of Surgery |
| 2009 | Innovations in Endoscopy and MIS Faculty University of Texas Southwestern |
| 2010 | General Surgery Refresher Course Faculty |
|  | Washington University, St. Louis |
| 2010 | Laparoscopic Single Site Surgery Faculty |
|  | Ethicon Endo-Surgery, Hamburg Germany |
| 2011 | General Surgery Refresher Course |
|  | Faculty Washington University, St. Louis |
| 2011 | Fundamentals of the Use of Surgical Energy |
|  | (FUSE) SAGES FUSE PG Course, Co-Chair |
| 2012 | Complication of Bariatric Surgery Course |
|  | American Society of Metabolic and Bariatric Surgery |
| 2012 | Surgical Endoscopy Course |
|  | American Society of Metabolic and Bariatric Surgery |

**National Boards, Committees & Panels**

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| --- | --- |
| 2008 | Single Site Laparoscopic Surgery Panel  Ethicon Endo-Surgery, San Francisco CA |

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| 2008 | Economic and Clinical Advisory Board Meeting Obesity  and Metabolic Research. Ethicon Endo-Surgery, ASMBS |

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| 2009 | Single Site Laparoscopic Surgery Panel |
|  | Ethicon Endo-Surgery, Cincinnati OH |
| 2009 | Economic and Clinical Advisory Board Meeting Obesity Surgery and Metabolic Research. Ethicon Endo-Surgery, ASMBS |
| 2009 | Professional Education Committee Member American Society of Metabolic and Bariatric Surgery |
| 2009 | Quality, Outcomes and Safety Committee Member  Society of American Gastrointestinal & Endoscopic Surgeons |
| 2010 | Fundamental Use of Safe Energy (FUSE) Task Force Member Society of American Gastrointestinal & Endoscopic Surgeons |
| 2010 | Fundamental Use of Safe Energy (FUSE) Course Co-Chair Society of American Gastrointestinal & Endoscopic Surgeons |
| 2010 | SAGES/AORN MIS Safety Checklist Task Force Member Society of American Gastrointestinal & Endoscopic Surgeons |
| 2010 | Economic and Clinical Advisory Board Meeting Obesity Surgery and Metabolic Research. Ethicon Endo-Surgery, ASMBS |
| 2011 | Pediatric Surgery Committee Member  American Society of Metabolic and Bariatric Surgery |
| 2012 | Advisory Board Committee Allergan Corporation |
| 2013 | Access to Care Committee Member  American Society of Metabolic and Bariatric Surgery |
| 2014 | Editorial Board, Connect Magazine  American Society of Metabolic and Bariatric Surgery |
| 2015 | Membership Committee  International Federation Surgery for Obesity, IFSO |

**Institutional Boards, Committees, Groups & Panels**

2006-2007 Institutional Review Board (IRB) Committee

Dallas VA Medical Center

2006-2007 Surgery Technical Skills Curriculum Committee

Southwestern Center for Minimally Invasive Surgery

2010-2014 Institute of Clinical and Translational Sciences

Washington University in St. Louis

2011-2014 Center for Administrative Data Research Investigator Washington University in St. Louis, MO

2017-2019 Member of Medical Executive Committee HCA Oviedo Medical Center, FL

# Federal Research Grants

2007-2010 **Veterans Affairs HealthCare System**, New Investigator Grant Award: “*Laparoscopic Sleeve Gastrectomy vs. Laparoscopic Gastric Banding for Morbid Obesity: Prospective Trial*”. Principal Investigator

$100,000/2 years

2012-2014 **National Institutes of Health** (NIDDK) Research Grants for Clinical Scientists (R03): “*Impact of Bariatric Surgery-Induced Weight Loss on Glucose Homeostasis in Type-2 Diabetes*” Principal Investigator. $570,000/3 years

# Industry Research and Educational Grants

1997 Pharmacokinetics and Burn Eschar Penetration Of Intravenous Ciprofloxacin In patients With Major Thermal Injuries. Research grant by *Bayer Pharmaceutical*. Co-investigator.

1998 Splanchnic Perfusion during Delayed, Hypotensive, or Aggressive Fluid Resuscitation from Uncontrolled Hemorrhage in a swine model. Research grant by *Hutchinson Technology* Inc. Co- investigator.

1998 Near Infrared Spectroscopy Reflects Acute Changes in Splanchnic and Systemic Perfusion during Abdominal Compartment Syndrome in a swine model. Research grant by *Hutchinson Technology* Inc. Co-investigator.

2006 Educational Travel Grant Award to Scientific Meeting, $ 3,000 Society of American Gastrointestinal & Endoscopic Surgeons

2006 University of California Irvine Medical Center’s Minimally Invasive Surgery Group Research Grant, Principal Investigator, $6,000

2007 Veterans Affairs Health Care System New Investigator Grant Award “Laparoscopic Sleeve Gastrectomy vs. Laparoscopic Gastric Banding for Morbid Obesity: Prospective Randomized Trial”. PI

$100,000/2 years

2007 Educational grant by *Tyco-Healthcare*, Laparoscopic Surgery Dallas VA Research Corporation Grant. Principal Investigator

$20,000

# Research Activities

1998 Near Infrared Spectroscopy Reflects Acute Changes in Splanchnic and Systemic Perfusion during Abdominal Compartment Syndrome in a swine model.

1998 The Miami Deep Vein Thrombosis Study Group

1999 “Splanchnic Perfusion during Delayed, Hypotensive, or Aggressive Fluid Resuscitation from Uncontrolled Hemorrhage in a swine model”. Co-investigator University of Miami

1999 The Miami Pediatric Traffic Injury Task Force

2005 “Combined Thoracoscopic and Laparoscopic Esophagectomy vs. Hand-Assisted Transhiatal Esophagectomy: A Prospective Trial”. NCT00247936 Co-investigator. University of California Irvine

2005 “Evaluation of Endostapled Anastomoses for Laparoscopic Gastric Bypass (EEA-LGB) a Prospective Randomized Comparison of the 3.5mm vs. 4.8mm Circular Stapler for Creation of the Gastrojejunostomy in Prevention of Staple Line Hemorrhage During Laparoscopic Gastric Bypass”. NCT0025472 Co-investigator. University of California Irvine

2005 “Outcomes Studies in Bariatric and Laparoscopic Surgery”. University HealthSystem Consortium. Co-investigator. University of California Irvine

2005 “A Prospective Randomized Trial of Laparoscopic Gastric Bypass Vs Laparoscopic Adjustable Gastric Banding (LAP-BAND) for Treatment of Morbid Obesity”. NCT00247377 Co-investigator. University of California Irvine

2007 “Laparoscopic Sleeve Gastrectomy vs. Gastric Banding for Morbid Obesity: Prospective Randomized Trial”. NCT00434655 VA North Texas. Principal Investigator

2008 “Laparoscopic Single Site Multi-access System development”, Ethicon Endo-Surgery, Principal Investigator

2008 “Single-Incision Laparoscopic Cholecystectomy”. Co-Principal Investigator. NCT00678873. University of Texas Southwestern

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| **Certifications** |  |
| 1999 | Advanced Trauma Life Support Instructor |
| 1999 | Advanced Trauma Life Support Provider |
| 1999 | Pediatric Advanced Life Support Provider |
| 2006 | Inamed Lap Band® System |
| 2006 | Intuitive da Vinci® Si Robotic Surgery |
| 2006 | Diplomate American Board of Surgery |
| 2008 | Realize™ Band System |
| 2010 | Transoral Incisionless Fundoplication, EsophyX® |
| 2016 | American Board of Surgery MOC, Re-Certified |
| 2018 | Basic Life Support Provider, AHA |
| 2018 | Advanced Cardiac Life Support Provider, AHA |
| 2016 | Recertification, American Board of Surgery |
| 2018 | Intuitive *Da Vinci Xi* Robotic Console Surgeon |
| 2019  **Licensing** | Diplomate American Board of Obesity Medicine |
| 1996 | Colombia, active |
| 1997 | ECFMG active |
| 2005 | California Medical Board, inactive |
| 2007 | Texas Medical Board, inactive |
| 2008 | Texas Department of Public Safety, inactive |
| 2020 | Drug Enforcement Administration, active |
| 2015 | Illinois Department Professional Regulation, inactive |
| 2015 | Illinois Controlled Substance, inactive |
| 2017 | Missouri Bureau of Narcotics and Dangerous Drugs, inactive |

2017 Missouri Board for Registration for Healing Arts, inactive

2021 Florida Department of Health, Active

# Society Memberships

2002 The Warren H. Cole Society

2004 The Society for Surgery of the Alimentary Tract

2006 John E. Connolly Surgical Society

2006 Society of American Gastrointestinal and Endoscopic Surgeons 2006 Association for Academic Surgery

2006 Association of VA Surgeons

2008 American College of Surgeons

2009 American Society of Bariatric and Metabolic Surgery 2009 Asociacion Latino-Americana de Cirujanos Endoscopistas 2010 St. Louis Surgical Society

2010 ASMBS Missouri Chapter

2011 The Obesity Society

2014 Association for Patient Experience

2016 American College of HealthCare Executives

# Training Courses

2002 Basic SAGES Laparoscopy and Endoscopy Course Ethicon Endo-Surgery Institute, Cincinnati, OH

2004 Advanced Laparoscopic Ventral Hernia Repair Course University of Illinois at Chicago, IL

2004 Advanced SAGES Laparoscopy and Ultrasound Course

U.S Surgical, Norwalk, CT

2005 Laparoscopic Bariatric Surgery Course Karl Storz, Culver City, CA

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| 2005 | Interventional Endoscopic Symposium |
|  | CDDC University of California Irvine, CA |
| 2006 | Physiology of Weight Loss Surgery Workshop |
|  | Massachusetts General Hospital Boston MA |
| 2006 | LAP-BAND® System Training Workshop |
|  | Inamed, Portland OR |
| 2006 | Bariatric Surgery Postgraduate Course |
|  | SAGES, Dallas TX |
| 2006 | Laparoscopic Colectomy Symposium |
|  | University of California Irvine CA |
| 2006 | Laparoscopic Colectomy workshop |
|  | Kaiser Permanente San Diego CA |
| 2006 | Intuitive da Vinci® Robotic Surgery Course Astellas Center University of California Irvine |
| 2006 | Pacific Rim Robotic Surgery Course |
|  | University of California Irvine, CA |
| 2007 | Advance Bariatric Life Support |
|  | ASBS, San Diego CA |
| 2007 | Endoluminal Surgery Training |
|  | USGI Medical Inc. UT Southwestern |
| 2007 | Laparoscopic Sleeve Gastrectomy Training |
|  | Autosuture, Lubbock TX |
| 2008 | Realize™ Band Training Workshop |
|  | Ethicon Endo-Surgery, Cincinnati OH |
| 2008 | Laparoscopic Sleeve Gastrectomy Course |
|  | Association VA Surgeons, Dallas TX |
| 2008 | LAP-BAND® System Training Workshop |
|  | Allergan, University of Texas Southwestern |
| 2009 | Management of LAP-BAND® System Patient |
|  | Allergan, University of Texas Southwestern |
| 2010 | Adolescent Bariatric Surgery Course |
|  | Cincinnati Children’s Hospital |

2010 EsophyX® Training, Endogastric Solutions Washington University, St. Louis

2010 Ventral Hernia Mesh Global Proctorship Social Security Hospital, Panama

2011 Fundamental Use of Surgical Energy Faculty SAGES, San Antonio, TX

2011 Robotic Bariatric Surgery Course Celebration Hospital, Orlando FL

2012 Revisional Bariatric Surgery Course Cleveland Clinic, Weston FL

2014 Laparoscopic Sleeve Gastrectomy World Summit IFSO, Montreal, Canada

2014 Single Anastomosis Duodenal Switch Course IFSO, Montreal, Canada

2015 Bariatric Surgery Mini-Fellowship

Center for Obesity Surgery, Colombia

2016 ORBERA™ Endoscopic Intragastric Balloon Center for Obesity Surgery, Colombia

2016 Lean Six Sigma White &Yellow Belt Training GoLeanSixSigma.com

# Invited Lectures

1. Laparoscopic Gastric Bypass. Resident Annual Course. University of California Irvine. Orange CA, 2006.
2. Role of Laparoscopy in Trauma. Department of Surgery Trauma Conference. University of California Irvine. Orange CA, 2006.
3. Evolution of Bariatric Surgery. Department of Surgery Ground Rounds. University of California Irvine. Orange CA, 2006.
4. Advances in Bariatric Surgery. CME Program Monthly Lecture Series. North Texas VA, Dallas TX 2007.
5. Outcomes of Bariatric Surgery in Adolescents. Department of Surgery Ground Rounds. University of Texas Southwestern. Dallas, TX 2007
6. Laparoscopic Paraesophageal Hernia Repair. Current topics in General Surgery Course. University of Texas Southwestern. Dallas, TX 2007
7. Single Incision Laparoscopic Colectomy. Innovations in Endoscopy and Minimally Invasive Surgery. University of Texas Southwestern. Dallas, TX 2008
8. Outcomes of Bariatric Surgery in Adolescents. Obesity Outreach Seminar. University of Texas Southwestern. Dallas, TX 2008
9. Laparoscopic Sleeve Gastrectomy: A Tailored Approach for the Morbidly Obese. Current topics in General Surgery Course. University of Texas Southwestern. Dallas, TX 2009
10. Single Site Laparoscopic Surgery. Innovations in Endoscopy and Minimally Invasive Surgery. University of Texas Southwestern. Dallas, TX 2009
11. Effects of Bariatric Surgery on Type-2 Diabetes. Division of Geriatrics and Nutrition. Washington University, St. Louis. 2010
12. Bariatric surgery and its Effects in Type-2 Diabetes. Division of Endocrine and Metabolism. Washington University, St. Louis. 2010
13. Bariatric Surgery in Adolescents. Department of Pediatrics. St. Louis Children’s Hospital. Early Bird Rounds. Washington University, St. Louis. 2010
14. Bariatric surgery and its Effects in Type-2 Diabetes. Division of Gastrointestinal Medicine Grand Rounds. Washington University, St. Louis. 2011
15. Bariatric surgery and its Effects in Type-2 Diabetes. Division of Obstetrics and Gynecology Grand Rounds. Washington University, St. Louis. 2011
16. Bariatric surgery and its Effects in Type-2 Diabetes. Division of Obstetrics and Gynecology Grand Rounds. St. Louis University, 2011
17. Fundamentals of the Use of Safe Energy Course, Ultrasonic Energy lecture. SAGES, San Antonio TX 2011
18. Adolescent Bariatric Surgery Symposium. Perioperative Outcomes of Adolescents vs Adults. ASMBS, Orlando FL 2011.
19. Bariatric Surgery and its Effects in Type-2 Diabetes. St. Louis Dietetic Association. St. Louis MO 2013
20. Diabetes Surgery: An Innovative Approach to an Old Disease. Department of Surgery Ground Rounds. Mayo Clinic, Jacksonville FL 2015
21. Gastric Bypass Procedures for Non-Bariatric Surgeons. North Meets South Symposium. Florida Hospital, Orlando 2016
22. Complications of Bariatric Surgery. North Meets South Symposium. Florida Hospital, Orlando 2016

# International Lectures

1. Outcomes of Laparoscopic and Open Anti-reflux Surgery at Academic Centers. Acapulco Mexico, 2008.
2. Obesity and Metabolic Surgery Address & State of the Art 2009. International Obesity Course, San Antonio TX
3. Single Site Laparoscopic Surgery: Asia-Pacific Hands-on Course at SAGES. Las Vegas, NV 2009
4. Single Site Laparoscopic Surgery Course: Clinical Applications. European Surgical Institute. Hamburg, Germany, 2010.
5. Ventral Hernia Repair Course. Hospital de la Seguridad Social. Panama City, Panama 2010
6. Bariatric Surgery in High Risk Patients. Colombian Surgical Congress. Bogota, Colombia 2012
7. Bariatric Surgery in Low BMI Patients. Colombian Surgical Congress. Bogota, Colombia 2012
8. Safety in Electro-Surgery. Colombian Surgical Congress. Bogota, Colombia 2012
9. Fundamentals in Electro-Surgery. Colombian Surgical Congress. Bogota, Colombia 2012
10. Safety in Electro-Surgery. Samaritana University Hospital. Universidad Nacional de Colombia. Bogota, Colombia 2012
11. Evolution of Bariatric Surgery. Universidad Nacional de Colombia School of Medicine, Grand Rounds. Bogota, Colombia 2012
12. Laparoscopic Adrenalectomy. International Congress in Endoscopic Surgery. Puerto Vallarta, Mexico 2012
13. Laparoscopic Sleeve Gastrectomy Technique. Pudong Medical Society. Shanghai China 2013
14. Achalasia: Current Management. Asociacion Latinoamericana de Cirujanos Endoscopistas ALACE. Panama City, Panama 2014
15. Fundamentals in Electro-Surgery Course. Colombian Surgical Congress. Cartagena, Colombia 2014
16. Laparoscopic Sleeve Gastrectomy Workshop and Tele-Conference. Pudong Medical Society, Shanghai China 2014

# National Scientific Meeting Presentations

* 1. Muscle Near Infrared Spectroscopy is Reliable for Systemic Perfusion Evaluation During Hemorrhage and Abdominal Compartment Syndrome. Presented at ACS COT, Charlotte NC, 1999.
  2. Muscle Near Infrared Spectroscopy is Reliable for Systemic Perfusion Evaluation During Hemorrhage and Abdominal Compartment Syndrome. Presented at ACS COT, Orlando FL, 1999.
  3. Gastric Near Infrared Spectroscopy But Not Tonometry Reflects Splanchnic Hypoperfusion During Abdominal Compartment Syndrome. Presented at ACS Surgical Forum, San Francisco, CA, 1999.
  4. Pharmacokinetics and Burn Eschar Penetration of Intravenous Ciprofloxacin in Patients with Major Thermal Injuries. Presented at The Society of University Surgeons, New Orleans, LA, 1999.
  5. Fibrin Glue Eliminates The Need For Packing After Complex Liver Injuries. Poster Presentation at the Southeastern Surgical Congress, Tampa FL, 1999.
  6. Near Infrared Spectroscopy Reflects Acute Changes in Splanchnic and Systemic Perfusion During Abdominal Compartment Syndrome. Presented at ACS, Committee of Trauma, Hollywood FL, 2000.
  7. The Risk of Death for Jehovah’s Witnesses After Major Trauma. Presented at ACS Surgical Forum, New Orleans, LA, 2001.
  8. Splanchnic Perfusion in the Setting of Uncontrolled Hemorrhage. Presented at The Society of University Surgeons, Chicago, IL, 2001
  9. Embolization of a Left Gastric Artery Pseudoaneurysm after Blunt Abdominal Trauma. Presented at ACS Chicago Metropolitan Trauma Society, Chicago, IL 2003.
  10. Incidence and Predictors of Aspiration after Prolonged Intubation in Trauma Patients. Presented at ACS Surgical Forum, New Orleans, LA 2004.
  11. Retained Cervical Stabbing Implement Associated with Spinal Cord Injury. Presented at the ACS Chicago Metropolitan Trauma Society, Chicago, IL 2004.
  12. Laparoscopic staged Roux-Y gastric bypass. Video Presented at American College of Surgeons Chicago IL 2006.
  13. Laparoscopic subtotal Gastrectomy for gastric cancer. Video Presented at SAGES Dallas TX 2006.
  14. Resolution of Obstructive Sleep Apnea after Laparoscopic Gastric Bypass. Presented at Surgical Forum Chicago IL 2006.
  15. Comparison of Laparoscopic Gastrectomy and Open Gastrectomy for Gastric Cancer. Presented at Southwestern Surgical Congress, Kauai HI 2006
  16. Outcomes of Bariatric Surgery in the Elderly. Presented at Southern CA ACS Santa Barbara CA, 2006.
  17. Reduction in Prescription Medication Costs after Laparoscopic Gastric Bypass. Presented at Southern CA ACS Santa Barbara CA, 2006.
  18. Bariatric Surgery in Adolescents: Analysis of 309 cases. Presented at ASMBS San Diego CA, 2007.
  19. Outcomes of Laparoscopic and Open Colectomies in Academic Centers. Presented at AVAS, Little Rock AR, 2007.
  20. Laparoscopy should be the Approach of Choice for Acute Appendicitis in the Morbidly Obese. Presented at SAGES Las Vegas NV 2007.
  21. Gastric Conditioning and Laparoscopic-Thoracoscopic Ivor-Lewis Esophagectomy. Video Presented at DDW, Washington DC, 2007.
  22. Laparoscopic Approaches to benign Gastric Tumors. Video Presented at SAGES Las Vegas NV 2007.
  23. Correlation between Intra-abdominal Pressure and Morbid Obesity Associated Comorbidities. Presented at Surgical Forum San Francisco CA, 2008.
  24. Outcomes of Laparoscopic and Open Anti-reflux Surgery at Academic Centers. Presented at Southwestern Surgical Congress, Acapulco MX, 2008.
  25. Outcomes of Bariatric Surgery in Morbidly Obese with Metabolic Syndrome. Presented AAS, Huntington Beach CA, 2008.
  26. Laparoscopy Significantly Reduces Surgical Site Infection Compared to Open Surgery. Presented at SAGES Phoenix AZ, 2009.
  27. Disparities in Access to Basic Laparoscopic Surgery at U.S. Academic Medical Centers. Presented at Obesity Meeting, Orlando FL 2011

# Book Chapters

* + 1. **Varela JE**, Varon JA. Chapter: Vascular Cannulation Chapter. In: Surgical Intensive Care Medicine. O’Donnell, Nacul Eds. 2001
    2. Nguyen NT, **Varela JE**, Wilson SE. Rationale for Minimally Invasive Bariatric Surgery Chapter. In Obesity Surgery Principles and Practice. Jones, Higa, Pareja Eds. 2007
    3. **Varela JE**, Brunt M. Patient Safety is Quality. SAGES/AORN Safety Checklist

Chapter. SAGES Quality, Outcomes and Safety Manual, 2010

* + 1. Brunt M, **Varela JE**. Solid Organ Surgery Chapter. SAGES Quality, Outcomes and Safety Manual, 2010
    2. Nguyen NT, **Varela JE**. Minimally Invasive Esophagectomy Chapter. SAGES Minimally Invasive Surgery Manual, 2010
    3. Bittner J, Awad M, **Varela JE**. Laparoscopic Hemostasis: Energy Sources Chapter, SAGES Manual. 2011
    4. Johnston F, **Varela JE**, Chapman W. Gastrointestinal Surgery Chapter. The Washington University Surgery Manual. 2011
    5. Bittner J, **Varela JE**. Ultrasonic Energy Chapter, SAGES Fundamental Use of Surgical Energy Manual. 2013
    6. **Varela JE**, Incarcerated Inguinal Hernia Chapter, Landmark Papers in Acute Care Surgery, 2019 In Press.

# Scientific Journal Referee

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| --- | --- | --- |
| 2009 | Journal American College of Surgeons | Reviewer |
| 2010 | Journal Surg Lap Endosc Percut Tech | Reviewer |
| 2010 | Surgical Endoscopy | Reviewer |
| 2011 | Minimally Invasive Surgery | Reviewer |
| 2014 | Surgery for Obesity and Related Diseases | Reviewer |
| 2016 | New England Journal of Medicine | Reviewer |

**Published Refereed Journal Articles**

1. **Varela JE**, Cohn SM, Giannotti G, et al. Gastric Near Infrared Spectroscopy But Not Tonometry Reflects Splanchnic Hypoperfusion during Abdominal Compartment Syndrome. American College of Surgeons, *Surgical Forum* 1999. Vol. L:211-212.
2. **Varela JE**, Cohn SM, M Brown, et al. Pharmacokinetics and Burn Eschar Penetration Of Intravenous Ciprofloxacin In Patients With Major Thermal Injuries.

*J. of Antimicrob Chemother* 2000;45(3):337-342.

1. Giannotti G, Cohn SM, **Varela JE**, et al. The Utility Of Near Infrared Spectroscopy In The Diagnosis of Lower Extremity Compartment Syndrome. *J. Trauma* 2000; 48(3):396-399.
2. Namias N, **Varela JE**, Varas RP, et al. Biodebridement: a case report of maggot therapy for limb salvage after fourth-degree burns. *J Burn Care Rehabil*. 2000;21(3):254-7
3. **Varela JE**, Dolich MO, Fernandez L, et al. Combined Carotid Artery Injury And Laryngeal Fracture After Dog Bite. Case report. *Am Surg* 2000; 66(11):1016- 1019.
4. Feinstein AJ, **Varela JE**, Cohn SM. Fibrin Glue eliminates the Need for Packing after Complex Liver Injuries. *Yale J Biol Med* 2001; 74(5):315-321.
5. **Varela JE**, Gomez O, Cohn SM. The Risk of Death of Jehovah’s Witnesses After Major Trauma. American College of Surgeons, *Surgical Forum* 2001. Vol. LII: 471- 472.
6. Cohn SM, **Varela JE**, Giannotti G, Dolich MO. Splanchnic Perfusion Evaluation During Hemorrhage and Resuscitation with Gastric Near Infrared Spectroscopy. *J.Trauma* 2001;50(4):629-635.
7. Cohn SM, Giannotti G, Ong A, **Varela JE**. Prospective Trial of Two Wound Management Strategies for Dirty Abdominal Wounds. *Ann Surg* 2001;233:409- 413.
8. **Varela JE**, Cohn SM, Giannotti G, et al. Near Infrared Spectroscopy Reflect Changes in Mesenteric and Splanchnic Perfusion During Abdominal Compartment Syndrome. *Surgery.* 2001;129:363-370.
9. Dolich MO, McKenney MG, **Varela JE**, et al. 2,576 Consecutive Ultrasound Evaluations for Blunt Abdominal Trauma. *J.Trauma* 2001;50:108-112.
10. Rosin D, Brasesco O, **Varela JE**. Low-Pressure Laparoscopy may ameliorate Intracranial Hypertension and Renal Hypoperfusion. *J. Laparoendos Adv Surg Tech* 2002; 12(1):15-19.
11. **Varela JE**, Vanuno D, Elli E, Horgan S. Minilaparoscopic Placement of a Peritoneal Dialysis Catheter. *Surg. Endosc*, 2003; 17(12):2025-2027.
12. **Varela JE**, Cohn SM, Diaz I, Giannotti G, Proctor K. Splanchnic Perfusion during Delayed, Hypotensive, or Aggressive Fluid Resuscitation from Uncontrolled Hemorrhage. *Shock*, 2003; 20(5):476-80.
13. **Varela JE**, Gomez O, Cohn SM. The Risk of Death for Jehovah’s Witnesses after Major Trauma. *J. Trauma* 2003; 54(5):967-972.
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# Abstracts

* 1. Cohn SM, Cross JH, Ivy M, **Varela JE**, Giannotti G. Non-Invasive Direct Measurement of Regional Tissue Oxygen Saturation by a Gastric Near Infrared Spectroscopy Probe: A Pilot Study. Presented at Southeastern Surgical Congress, Atlanta, GA, 1998.
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  15. Nguyen NT, **Varela JE**, Sabio A. Comparison of Laparoscopic and Open Gastric Bypass in Academic Centers. Presented Western Surgical Association 2006, Los Cabos MX.
  16. **Varela JE**, Nguyen NT. Resolution of Sleep Apnea after Laparoscopic Gastric Bypass. Presented Surgical Forum Chicago IL 2006.
  17. Herscu G, Kong A, Russell D, Tran C, **Varela JE**. Retrocecal Appendix Location and Perforation at Presentation. Presented Southern CA ACS Santa Barbara CA, 2006.
  18. **Varela JE**, Nguyen NT, Sabio A. Comparison of Laparoscopic and Open Gastrectomy for Gastric Cancer. Presented SWSC Kauai HI 2006.
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  22. Hinojosa M, **Varela JE**, Smith B. Improvement of Hypertension after Laparoscopic Gastric Bypass. Presented AAS Huntington Beach CA 2008.
  23. **Varela JE**, Nguyen NT. Bariatric Surgery in Adolescents: Analysis of 309 cases.

Presented at ASBS San Diego CA 2007.

* 1. **Varela JE**, Asolati M, Anthony T. Outcomes of Laparoscopic and Open Colectomies in Academic Centers. Presented at Association of VA Surgeons, Little Rock AR 2007.
  2. Huerta S, **Varela JE**, Livingston E. Preoperative Weight Loss Decreases the Operative Time of Gastric Bypass at a Veterans Administration Hospital. Presented at Association of VA Surgeons, Little Rock AR 2007.
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  6. Nguyen NT, **Varela JE**, Sabio A, Longoria M. Long Term Improvement of Pulmonary Function after Laparoscopic Gastric Bypass. Presented Pacific Coast Surgical Association, Honolulu HI 2007.
  7. **Varela JE**, Hinojosa M, Nguyen NT. Correlation between Intra-abdominal Pressure and Morbid Obesity Related Comorbidities. Presented Surg Forum San Francisco 2008.
  8. Nguyen NT, Hinojosa M, **Varela JE**, Hoyt D. Improved Bariatric Surgery Outcomes for Medicare Beneficiaries after Implementation of the Medicare National Coverage Decision. Presented Western Surgical Association 2008
  9. **Varela JE**, Nguyen NT. Outcomes of Laparoscopic Gastric Bypass vs. Laparoscopic Fundoplication in Morbidly Obese with GERD. Presented ASMBS Washington DC 2008.
  10. **Varela JE**, Nguyen NT. Outcomes of Laparoscopic and Open Anti-reflux Surgery at Academic Centers. Presented at SWSC Acapulco MX 2008.
  11. Nguyen NT, Hinojosa M, **Varela JE**. Improved Bariatric Surgery Outcomes for Medicare Beneficiaries after Implementation of the Medicare National Coverage

Decision. Presented Western Surgical Association, 2008.

* 1. Rivas H, **Varela JE**, Scott D. Single umbilical Incision Laparoscopic Cholecystectomy.

Presented SAGES Philadelphia PA 2008.

* 1. Rivas H, **Varela JE**, Scott D. Single Supra-umbilical Incision Laparoscopic Adjustable Gastric Band Placement in a Porcine Model. Presented SAGES Philadelphia PA 2008
  2. **Varela JE**, Hinojosa M, Nguyen NT. Outcomes of Bariatric surgery in Morbidly Obese who Manifest the Metabolic Syndrome. Presented AAS Huntington Beach CA 2008.
  3. Hinojosa M, Reavis K, Parikh D, **Varela JE**. Utilization and Outcomes of Laparoscopic versus Open Paraesophageal Hernia Repair. Presented DDW San Diego CA 2008.
  4. Hinojosa M, **Varela JE**, Nguyen NT. Trends in utilization and Outcomes of Laparoscopic Adjustable Gastric Banding at Academic Medical Centers. Presented ASMBS Washington DC 2008.
  5. Hinojosa M, **Varela JE**, Smith B. Long-term improvement of Pulmonary Function after Laparoscopic Gastric Bypass Surgery. Presented SAGES Philadelphia PA 2008.
  6. Hinojosa M, **Varela JE**, Smith B. Improvement of Gastro-esophageal Reflux and Quality of Life after Laparoscopic Gastric Bypass. Presented SWSC Acapulco MX 2008.
  7. Hinojosa M, **Varela JE**, Smith B. Initial Experience with the Laparoscopic Staged Roux-Y Gastric Bypass for the Treatment of Super-Super Obesity. Presented at PCSA San Francisco CA 2008.
  8. Hinojosa M, **Varela JE**, Smith B, MD, Brenner M, Nguyen NT. Introduction of Minimally Invasive Expertise Increases Annual Volume and Improves Outcome of Esophagectomy. Presented DDW San Diego 2008.
  9. **Varela JE**. Single Port Laparoscopic Adjustable Gastric Banding using a Novel Multi-access Port Platform. Presented SAGES Emergent Technology 2009
  10. **Varela JE**. Single Port Laparoscopic Sleeve Gastrectomy using a Novel Multi- access Port Platform. Presented SAGES Emergent Technology 2009
  11. Rivas H, **Varela JE**, Scott D. Laparoscopic Single Incision Laparoscopic Cholecystectomy: Initial Evaluation of a Large Series of Patients. Presented SAGES 2009
  12. Asolati M, **Varela E**, Huerta S. Ethnicity and Organ Donation: The OPTN/SRTR Registry**.** Presented AVAS 2009.
  13. Anthony T, Parker BJ, Huerta S, **Varela JE.** Failure to Report Infections after Discharge Leads to the Under-reporting of Rates of Surgical site Infections. Presented AVAS 2009.
  14. **Varela JE**, Nguyen NT. Laparoscopic Surgery Significantly Reduces Surgical Site Infection Compared to Open Surgery. Presented SAGES 2009.
  15. **Varela JE**. Disparities in Access to Basic Laparoscopic Surgery at U.S. Academic Medical Centers. Presented SAGES 2010
  16. Gallagher R, Xing C, **Varela JE**, Puzziferri N. Genetic and Environmental Influence on Weight Loss after Bariatric Surgery. Presented ASMBS 2010.
  17. Schill M, **Varela JE**, Brunt M. Comparison of Laparoscopic Skills Performance Using Laparoscopic Single Site Access Devices vs. an Independent SSA Approach. Presented SAGES San Antonio TX 2011.
  18. **Varela JE**, Nguyen. Disparities in Access to Basic Laparoscopic Surgery in Severely Obese Compared to Non-Obese. Presented SAGES San Antonio TX 2011.
  19. **Varela JE**. Gastric Emptying After Laparoscopic Sleeve Gastrectomy and Adjustable Gastric Banding. Presented ASMBS Orlando FL 2011.
  20. **Varela JE**, Andriole G. Initial Experience with the *Viking* 3D/HD Laparoscopic System. Presented SAGES Emergent Technology Session San Antonio TX 2011.
  21. **Varela JE**. Racial/Ethnic Disparities in Access for Bariatric Surgery in Severely Obese Adolescents. Presented Obesity Society, Orlando FL 2011.
  22. Magkos F, Su X, Bradley D, Fabbrini E, Conte C, **Varela JE**, Brunt E, Patterson B, Klein S. Intrahepatic diacylglycerol but not ceramide content is associated with hepatic insulin resistance in obese subjects. Presented Obesity Society 201
  23. Chang SH, Stoll CR, Song J, **Varela JE**, Eagon CJ, Colditz GA. Bariatric Surgery: A Systematic Review and Meta-Analysis, 2003-Present. Presented Soc Med Decision Making, 2012
  24. **Varela JE**, Chaux. Diabetes Surgery Provides Insulin Independence after Near Total Pancreatectomy. Submitted Diabetes Surgery Summit, Stem.

# Poster Presentations

1. **Varela JE**, Feinstein AJ, Cohn SM, Compton RP, McKenney MG. Fibrin Glue Decreases the need of Packing after Complex Liver Injuries. Presented as poster at the Southeastern Surgical Congress, Tampa FL, 1999
2. Byers P, Munoz J, Albornoz J, **Varela JE**. Early Extubation Post-Gastric Bypass in Morbidly Obese Patients with Sleep Apnea. Presented as a poster at the ASBS, Memphis TN, 2000.
3. **Varela JE**, Varela K, Doherty JC, Fishman D, Salzman S, Merlotti G. Traumatic Brain Injury Predicts Silent Aspiration After Prolonged Intubation in Trauma Patients. Presented as poster at AAST, Maui, HI 2004.
4. Giannotti G, Guralnick A, Zdon M, **Varela JE**. Shorter Water Seal Trial after Thoracostomy Tube Placement for Traumatic Pneumothorax Does Not Have a Higher Complication Rate. Presented as poster ATS, Orlando FL, 2004.
5. **Varela JE**, Nguyen NT, Helton S. Outcomes and Utilization of Laparoscopic Complete and Partial Cholecystectomy in Academic Centers. Presented as Poster DDW Los Angeles CA 2006.
6. **Varela JE**, Nguyen NT, Sabio A. Outcomes of Laparoscopic Gastric Restrictive Procedures in Academic Centers. Presented as Poster to ASBS San Francisco CA 2006.
7. Asolati M, **Varela JE**, Huerta S. Intestinal Perforation Associated with colorectal Cancer. Presented at AVAS, Little Rock AR 2007.
8. Hinojosa M, **Varela JE**, Nguyen NT. Trends in utilization and Outcomes of Laparoscopic Adjustable Gastric Banding at Academic Medical Centers. Presented ASMBS Washington DC 2008.
9. Hinojosa M, **Varela JE**, Nguyen NT. Utilization and Outcome of Laparoscopic and Open Paraesophageal Hernia Repair. Presented DDW San Diego CA 2008.
10. Rivas H, **Varela JE**, Scott D. Single Incision Laparoscopic Cholecystectomy.

Presented SAGES Philadelphia PA 2008.

1. Rivas H, **Varela JE**, Scott D. Single Incision Laparoscopic Adjustable Gastric Band Placement in a Porcine Model. Presented SAGES Philadelphia PA 2008.
2. **Varela JE**, Nguyen NT. Laparoscopic Gastric Bypass vs. Laparoscopic Fundoplication in Morbidly Obese with GERD. Presented ASMBS Washington DC, 2008.
3. **Varela JE**. Single Port Laparoscopic Adjustable Gastric Banding using a Novel Multi-access Port Platform. Presented SAGES Emergent Technology, Phoenix AZ, 2009
4. **Varela JE**. Single Port Laparoscopic Sleeve Gastrectomy using a Novel Multi- access Port Platform. Presented SAGES Emergent Technology, Phoenix AZ, 2009
5. **Varela, JE**, Puzziferri N. Laparoscopic Sleeve Gastrectomy vs. Laparoscopic Adjustable Gastric Banding for the Treatment of Morbid Obesity. Presented ASMBS 2010.
6. **Varela JE**, Nguyen. Disparities in Access to Basic Laparoscopic Surgery in Severely Obese Compared to Non-Obese. Accepted SAGES 2011.
7. **Varela JE**. Gastric Emptying After Laparoscopic Sleeve Gastrectomy and Adjustable Gastric Banding. Presented ASMBS San Antonio TX 2011.
8. **Varela JE**, Andriole G. Initial Experience with the *Viking* 3D/HD Laparoscopic System. Presented SAGES Emergent Technologies. 2011
9. **Varela JE**, Nguyen NT. Racial and Ethnic Disparities in Bariatric Surgery for Severely Obese Adolescents. Presented Obesity Society. San Diego CA 2011

# Video Presentations

1. **Varela JE**, Vanuno D, Elli E, Horgan S. Minilaparoscopic Placement of Peritoneal Dialysis Catheter: A Single 2mm-Port Technique. Presented at Endo Expo Society of Laparoendoscopic Surgeons. New Orleans LA 2002
2. Nguyen NT, **Varela JE**. Laparoscopic Roux-Y gastric bypass. Live Tele-Surgery. Society of Laparoendoscopic Surgeons at San Diego CA 2005.
3. **Varela JE**, Nguyen NT. Laparoscopic staged Roux-Y gastric bypass. Presented at American College of Surgeons Chicago IL 2006.
4. Nguyen NT, **Varela JE**, Tran CL. Laparoscopic-Thoracoscopic Ivor-Lewis Esophagectomy after Roux-Y Gastric Bypass. Presented at American College of Surgeons Chicago IL 2006.
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# Personal Interests

Swimming: Former Colombian National Champion and multiple Record Holder. Former Florida Gator Swim Team Member and U.S. Master Swimming Top 10 Swimmer. Scuba Diving: PADI and Nitrox Certified.

Business: Entrepreneurship, Start-Ups, mobile-Health, Tele-medicine, Global Business, Leadership, Quality, Outcomes, Safety, Stem Cell therapy, DEI and Patient Experience.