

Dr. Michael F. Sedrak, M.D.

Board Certification

Diplomate of the American Board of Surgery

Employment

Private Practice

Michael F. Sedrak, MD, A Medical Corporation

Los Angeles, California

July 2012 to present

Medical Director, Life Back Medical

Bariatric Director, Life Back Weight Loss

July 2014 to present

Medical Director, Independent Medical Services, Inc

Bariatric Director, Golden State Practice Management, LLC

July 2012 to October 2014

Division of Laparoscopic and General Surgery

University of Southern California

Los Angeles, California

August 2011 to July 2012

Division of Minimally Invasive Surgery

UC San Diego Department of Surgery

San Diego, California

July 2009 to July 2011

Medical Director, OL Physician Group (d.b.a of Michael F. Sedrak Corp.)

Los Angeles, California

November 2006 to June 2008

Academic Appointments

Assistant Professor

University of Southern California

August 2011 – August 2012

Clinical Instructor

University of California at San Diego

July 2009 – August 2011

Postgraduate Education

Minimally Invasive Surgery

University of California at San Diego

San Diego, California

July 2009 to June 2010

Residency

Department of Surgery
New York University School of Medicine
New York, New York
April 2004 to June 2006

Residency

Department of Surgery
Charles R. Drew University of Medicine and Science
Martin Luther King, Jr. / Charles R. Drew Medical Center
Los Angeles, California
July 2003 to March 2004

Internship

Department of Surgery
Cedars-Sinai Medical Center
Los Angeles, California
June 2001 to June 2003

Medical Education

University of South Alabama College of Medicine
Mobile, Alabama
M.D. May 2001

Undergraduate Education

University of California at Riverside
Degrees earned on June 1997
BS, Biochemistry with emphasis in Molecular Biology
Minor, Philosophy with emphasis in Ethics

Research Experience

Center for the Future of Surgery
University of California at San Diego
San Diego, California
July 2009 to July 2011

- Clinical and Laboratory trials of Natural Orifice Transluminal Endoscopic Surgery (NOTES)
- Clinical and Laboratory trials of Endoluminal Surgical techniques and applications

UCLA School of Medicine

Regenerative Bioengineering and Repair (REBAR) Laboratory
Los Angeles, California
July 2006 to June 2008

- Microdistraction of Adipose Stem cells (ASCs) for Bone Tissue Engineering

This unique microdistraction model allows us to transmit linear force to cells in a 3-D collagen gel such that we can mechanically condition the cells towards bone lineage

- BMP-2 and ASC osteogenesis
Some groups have shown healing of critical-sized defects using ASCs + BMP-2, however, they have failed to use the proper controls, simply comparing ASCs + BMP-2 to ASCs alone. No positive control (BMP-2) alone was used. In our lab, BMP-2 alone heals critical-sized femoral defects as good as, if not better than ASCs + BMP-2. This suggests the result is due only to the BMP-2 and not the cells
- ASCs in soft tissue augmentation
Using an *in vivo* rat model, we are comparing the viability and long-term graft survival of ASCs as used for soft tissue augmentation

New York University School of Medicine

Microvascular Research and Vascular Tissue Engineering Laboratory and Division of Surgical Oncology

New York, New York

April 2004 to June 2006

- Pilot study of Areola-Sparing Mastectomy with immediate reconstruction in women with early breast cancer.
- Pilot study developing and evaluating treatment options of breast and extremity lymphedema following breast surgery, including lymphatic reconstruction models.
- Understanding decision making in women undergoing mastectomy.
- Development of computer-based models for predicting breast form and function following breast surgery and breast reconstruction.
- Pathogenesis and treatment of lymphedema and lymphatic diseases, emphasis on the development of methods to image and quantitate lymph flow to provide useful endpoints for clinical evaluations.
- Development of interdisciplinary program for the evaluation, management and treatment of recalcitrant lymphedema.

Florida Agricultural and Mechanical University

Research Assistant

- Basic science neuroendocrinology research at Florida A & M University Department of Pharmaceutical Sciences in Tallahassee, Florida studying treatments for cocaine and heroin addictions

Publications

Textbooks

Horgan S, Sedrak MF. "Robotic Surgery". In: Fischer JE, Bland KI, eds. *Mastery of Surgery*, 6th edition. Philadelphia, PA. Wolters Kluwer Health, Lippincott, Williams & Wilkins.

Journal articles

Lopez NE, Peterson CY, Ramamoorthy SL, McLemore EC, Sedrak MF, Lowy AM, Horgan S, Talamini MA, Sicklick JK. "Single Incision Laparoscopic Surgery via an Ostomy Site: A Natural Approach via an Un-natural Orifice". Submitted for publication June 2013

Shah A, Boettcher E, Fahmy M, Savides T, Horgan S, Jacobsen GR, Sandler BJ, Sedrak MF, Kalmaz D. "Screening Pre-Bariatric Surgery Patient for Esophageal Disease with Esophageal Capsule Endoscopy versus Esophagogastroduodenoscopy". *World Journal of Gastroenterology*. October 2013; Volume 19, Issue 37, pp 6188-6192.

Horgan S., Meireles OR, Jacobsen GR, Sandler BJ, Ferreres A, Ramamoorthy S, Savides T, Katagiri T, Dotai T, Sedrak MF, Majid SF, Nijhawan S, Talamini MA. "Broad clinical utilization of NOTES: Is it safe?". *Surgical Endoscopy*. June 2013, Volume 27, Issue 6, pp 1872-1880.

Meireles OR, Horgan S, Jacobsen GR, Katagiri T, Mathew A, Sedrak MF, Sandler BJ, Takayuki D, Savides TJ, Majid SF, Nijhawan S, Talamini MA. "Transesophageal endoscopic myotomy (TEEM) for the treatment of achalasia: the United States Human Experience." *Surgical Endoscopy*, May 2013, Volume 27, Issue 5, pp 1803-1809.

Nijhawan S, Barajas-Gamboa JS, Majid S, Jacobsen GR, Sedrak MF, Sandler BJ, Talamini MA, Horgan S. "NOTES transvaginal hybrid cholecystectomy: the United States human experience." *Surgical Endoscopy*, February 2013, Volume 27, Issue 2, pp 514-517.

Sedrak MF, Holewijn RA, Horgan S. "Gastric Band Removal and conversion to sleeve gastrectomy for vasovagal syncopal episodes associated with adjustable gastric banding placed using pars flaccida technique." *Surgery for Obesity and Related Diseases*, Volume 8, Issue 6, pp e75-e76, November 2012.

Katkhouda N, Zehetner J, Lee S, Wu B, Chen B, Darehzereshki A, Sedrak MF, Keenan R, Takla F, Mason RA. "Management of Patients with cardiac disease undergoing bariatric surgery". Submitted for publication

Sedrak, MF, Holewijn RA, Chang D, Katagiri T, Sandler BJ, Jacobsen GR, Talamini M, Horgan S. "A retrospective study of prospective bariatric surgery results: laparoscopic adjustable gastric banding vs. laparoscopic sleeve gastrectomy". Submitted to *Surgery for Obesity and Related Diseases*.

S Nijhawan, S Majid, T Katagiri, T Dotai, M Sedrak, B Sandler, G Jacobsen, M Talamini, A Wittgrove, S Horgan . "First Clinical Experience with Trans Oral Remnant Extraction (TORE) in Sleeve Gastrectomy". Submitted to *Surgical Endoscopy*

Meireles OR, Jacobsen GR, Katagiri T, Thompson K, Mathew A, Belkind N, Sedrak MF, Sandler BJ, Dotai T, Savides, TJ, Majid SF, Nijhawan S, Talamini MA, Horgan S. "Transesophageal Endoscopic Myotomy (TEEM) for the Treatment of Achalasia – The United States Human Experience". *Gastroenterology*. May 2011. Vol. 140, Issue 5, Supplement 1, Pages S-1001-S-1002.

Nijhawan S, Majid SF, Katagiri T, Dotai T, Sedrak MF, Sandler BJ, Jacobsen GR, Talamini MA, Wittgrove A, Horgan S. "Notes Transoral Remnant Extraction (TORE) for Sleeve Gastrectomy." *Gastroenterology*. May 2011. Vol. 140, Issue 5, Supplement 1, Page S-1001

Belkind N, Thompson K, Paleari J, Meireles OR, Sedrak MF, Jacobsen GR, Sandler BJ, Talamini MA, Horgan S. "Laparoscopic Placement of a Novel Anti-Reflux Device". *Gastroenterology*. May 2010. Vol. 138, Issue 5, Supplement 1, Page S-858.

Majid SF, Nijhawan S, Sedrak MF, Sandler BJ, Jacobsen GR, Mathew A, Wittgrove A, Talamini MA, Horgan SH. "Safety and Effectiveness of a New Endoscopic Fundoplication Platform (SRS)." *Gastrointestinal Endoscopy*. April 2011. Vol. 73, no. 4, pp. AB152-AB152.

Nijhawan S, Majid SF, Sedrak MF, Sandler BJ, Jacobsen GR, Talamini MA, Wittgrove A, Horgan S. "First Human NOTES Experience for Sleeve Gastrectomy at University of California at San Diego (UCSD)". *Gastrointestinal Endoscopy*. April 2011 Vol. 73, no. 4, pp. AB147-AB147.

Mathew A, Meireles OR, Nijhawan S, Majid SF, Dotai T, Katagiri T, Sedrak MF, Talamini MA, Horgan SH. "Lower Esophageal Sphincter Pressure Six Months After Transesophageal Totally Endoscopic Myotomy for Achalasia". *Gastrointestinal Endoscopy*. April 2011. Vol. 73, no. 4, pp AB278-AB279.

Hagen ME, Sedrak M, Wagner OJ, Jacobsen G, Talamini M, Horgan S. "Morbid obesity with achalasia: a surgical challenge." *Obes Surg*. 2010 Oct;20(10):1456-8.

Crisera C, Teng E, Wasson K, Heller J, Gabbay JS, Sedrak MF, Bradley JP, Longaker MT. "Formation of *In Vitro* Murine Cleft Palate by Abrogation of Fibroblast Growth Factor signaling." *Plastic and Reconstructive Surgery* Vol. 121, Issue 1, January 2008 pages 218-224

Kawamoto HK, Desrosiers AE, Jarrahy R, Sedrak MF, Ashley RK, Bradley JP. " 'Stuffy Nose' Rhinoplasty: Diced Cartilage Grafts for Correction of Cleft Nasal Tip Deformities". *Plastic and Reconstructive Surgery*. 122(4): 1138-1143, October 2008

Sedrak, MF, Major K, Wilson M. "Simple Fluid-column Manometry to Monitor for the Development of Abdominal Compartment Syndrome." [cover article] *Contemporary Surgery* Vol.58 No 5. May 2002 pages 227-232

Sedrak MF. "Two Compelling Facts About Manometry for Abdominal Compartment Syndrome" [Comment] *Contemporary Surgery* Vol.58 No 8. August 2002 page 384

Sedrak MF, Kwan D., Wilson M. Case report: Solitary Papillary Thyroid Carcinoma Within the Presacral Cavity. *Surgical Rounds*. April 2004.

Martinez Jose, Sedrak MF. Case Report: 2 year old patient with 12p deletion syndrome. University of South Alabama Department of Genetics, Grand Rounds for Department of Pediatrics April 2001.

Abstracts and Videos

Laparo-Endoscopic Single Site Oncologic (LESSOnc) Liver Resection: Taking Single Access Laparoscopic Surgery to the Next Level

Sicklick, JK, Sedrak MF, McLemore EC, Lowy AM, Ramamoorthy SL, Hemming AW, Horgan S, Talamini MA.

SAGES 2011, March 30-April 2 2011

Broad Clinical Utilization of NOTES. Is it Safe?

S Horgan, O Meireles, G Jacobsen, B Sandler, K Thompson, T Katagiri, S Ramamoorthy, M Sedrak, T Savides, A Ferreres, S Majid, S Nijhawan,

SAGES 2011, March 30-April 2 2011

The Steps and Outcomes of Trans-Esophageal Endoscopic Myotomy

T Dotai, T Katagiri, S Nijhawan, S Majid, O Meirieleles, M Sedrak, A Mathew, G Jacobsen, B Sandler, M Talamini, S Horgan

SAGES 2011, March 30-April 2 2011

Transvaginal Cholecystectomy using Argon Plasma Coagulator

T Dotai, T Katagiri, A Mathew, S Majid, S Nijhawan, M Sedrak, G Jaconsen, B Sandler, M Talamini, S Horgan

SAGES 2011, March 30-April 2 2011

Single Incision Laparoscopic Liver Resection in Porcine Liver Model

T Katagiri, T Dotai, A Rondon, S Nijhawan, S Majid, M Sedrak, B Sandler, G Jacobsen, S Horgan, M Talamini

SAGES 2011, March 30-April 2 2011

First NOTES TEEM (Trans-Esophageal Endoscopic Myotomy) for the Treatment of Achalasia in the U.S.

S Horgan, T Katagiri, N Belkind, G Jacobsen, O Meireles, , T Savides, J Paleari, K Thompson, M Sedrak, M Talamini

American College of Surgeons 96th Clinical Congress, October 2010

Robotic Heller myotomy with Gastric Sleeve Resection for the Simultaneous Treatment of Achalasia and Morbid Obesity.

Paleari J, Hagen M, Sedrak M, Thompson K, Belkind N, Jacobsen G, Talamini M, Horgan S. Annual Meeting of the Japan Society for Endoscopic Surgery, Yokohama October 2010.

Robotic Heller Myotomy with Sleeve Gastrectomy for the Simultaneous Treatment of Achalasia and Morbid Obesity

J Paleari, M Hagen, M Sedrak, K Thompson, N Belkind, G Jacobsen, M Talamini, S Horgan Minimally Invasive Robotic Association 5th International Congress, January 2010

Single Center Experience with a Novel Purely Endoluminal Fundoplication Device
Ozanan R Meireles, MD, Julietta Paleari, MD, Noam Belkind, MD, Kari Thompson, MD,
Michael Sedrak, MD, Garth Jacobsen, MD, Mark A Talamini, MD, Santiago Horgan, MD
SAGES Emerging Technology, April 2010

Laparoscopic Placement of a Novel Anti-Reflux Device
N Belkind, K Thompson, J Paleari, O Meireles, M Sedrak, G Jacobsen, B Sandler, M
Talamini, S Horgan
Society for Surgery of the Alimentary Tract 51st Annual Meeting at Digestive Disease Week,
Emerging Technologies in Minimal Access GI Surgery, May 2010

Gastrotomy closure in NOTES: Literature review and description of the UCSD clinical
NOTES gastrotomy closure technique
M Sedrak K Thompson, N Belkind, J Paleari, G Jacobsen, B Sandler, Y Mintz, M Talamini,
S Horgan
Digestive Disease Week, Clinical/Stomach, Poster Session, May 2010

Posterior Repair of Hiatal Hernia with Mesh and Concurrent Laparoscopic Adjustable
Gastric Banding
Paleari J, Sedrak M, Horgan S, Talamini M.
Argentine Congress of Surgery, Video Presentation, November 2010.

Laparoscopic Resection of Retroperitoneal Bronchogenic Cyst
J Paleari, M Sedrak, S Horgan, M Talamini
Argentine Congress of Surgery, Video Presentation, November 2010.

Robotic Heller Myotomy with Gastric Sleeve Resection for the Simultaneous Treatment of
Achalasia and Morbid Obesity.
Paleari J, Hagen M, Sedrak M, Thompson K, Belkind N, Jacobsen G, Talamini M, Horgan S.
Argentine Congress of Surgery, Video Presentation, November 2010.

A review of bariatric surgery results: laparoscopic adjustable gastric banding vs. laparoscopic
sleeve gastrectomy
Sedrak MF, Holewijn RA, Chang D, Katagiri T, Sandler BJ, Jacobsen GR, Talamini M,
Horgan S
Accepted Poster SAGES 2011

Review of efficacy and performance of laparoscopic adjustable gastric banding in female
patients with Polycystic Ovarian Syndrome
Sedrak MF, Majid S, Nijhawan S, Sandler BJ, Jacobsen GR, Talamini M, Horgan S
Accepted Poster ASMBS 28th Annual Meeting, June 2011

Transesophageal Endoscopic Myotomy (TEEM) for the Treatment of Achalasia – The
United States Human Experience
O Meireles, G Jacobsen, T Katagiri, K Thompson, A Mathew, N Belkind, M Sedrak, B
Sandler, T Dotai, T Savides, S Majid, S Nijhawan, M Talamini, S Horgan

Society for Surgery of the Alimentary Tract 52nd Annual Meeting at Digestive Disease Week, SSAT Plenary Session and Best of DDW Award, May 2011

NOTES Transoral Remnant Extraction (TORE) for Sleeve Gastrectomy
S Nijhawan, S Majid, T Katagiri, T Dotai, M Sedrak, B Sandler, G Jacobsen, M Talamini, A Wittgrove, S Horgan

Society for Surgery of the Alimentary Tract 52nd Annual Meeting at Digestive Disease Week, Emerging Technologies in Minimal Access GI Surgery, May 2011

Lower Esophageal Sphincter Pressure Six Months after Transesophageal Totally Endoscopic Myotomy for Achalasia

A Mathew, O Meireles, S Nijhawan, S Majid, T Dotai, T Katagiri, M Sedrak, M Talamini, S Horgan

Society for Surgery of the Alimentary Tract 52nd Annual Meeting at Digestive Disease Week, Esophagus Poster Session, May 2011

Safety and Effectiveness of a New Endoscopic Fundoplication Platform (SRS)

S Majid, S Nijhawan, M Sedrak, B Sandler, G Jacobsen, A Mathew, A Wittgrove, M Talamini, S Horgan

Society for Surgery of the Alimentary Tract 52nd Annual Meeting at Digestive Disease Week, New Technologies in Bariatrics and Reflux, May 2011

First Human NOTES Experience for Sleeve Gastrectomy at University of California at San Diego (UCSD)

S Nijhawan, S Majid, M Sedrak, B Sandler, G Jacobsen, M Talamini, A Wittgrove, S Horgan
Society for Surgery of the Alimentary Tract 52nd Annual Meeting at Digestive Disease Week, ASGE Presidential Plenary Session - Bariatrics, May 2011

Academic Didactics

University of California at San Diego
School of Medicine
Surgery 401

Presentations

“Paraesophageal Hernias: When to Use a Mesh”
34th Annual San Diego Postgraduate Assembly in Surgery
March 17-19, 2011

“Hernia Meshes Unraveled: A Review of Current Technology”
34th Annual San Diego Postgraduate Assembly in Surgery
March 17-19, 2011

“Single Incision Cholecystectomy”
4th Annual UCSD Hands-On NOTES & Single Site Surgery Symposium
November 11-13, 2010, San Diego, CA

Advanced Practice – Donor Management

Advanced Practice – Intensivist Involvement
Celebrating Our Partners – Donation and Transplantation Conference and Awards
Ceremony
June 6, 2007
Los Angeles, California

Academic presentations
Medical and Surgical Management of Hypercalcemia and Hyperparathyroidism
Minimally Invasive Parathyroidectomy
Use of Oral Hypoglycemic Agents During Pregnancy
Screening and Management of Hyperlipidemia and Hypercholesterolemia
Etiology and Management of Endometriosis
Management of the Infertile Couple
Management of Hirsutism
Etiology and Management of Gastrointestinal Hemorrhage

Licensure

California State Physician and Surgeon License
New York State Physician License
DEA License
USMLE Step 1 June 1999
USMLE Step 2 August 2000
USMLE Step 3 November 2002

Certifications

Expert Reviewer
Medical Board of California
November 2010 through July 2015

Radiography and Fluoroscopy
X-ray Supervisor and Operator
Department of Public Health of the State of California
August 2009 through August 2015

Academic Awards

Minority Academic Achievement Scholarship from UC Riverside
Minority Merit Award and Scholarship from Morehouse School of Medicine
Award for Academic and Cultural Excellence from UC Riverside African Student Programs
University of California Dean's List Recognition

Academic Society Membership

University of California Honors Program