

CURRICULUM VITAE AND BIBLIOGRAPHY

Name: Leo Villegas, MD

Present position: Hepatobiliary & Surgical Oncology
Gulf Coast Surgical Oncology
Pensacola, FL

Specialty Fellowship: Fellow in Hepatobiliary and Surgical Oncology
Duke University Medical Center, Durham NC
2009-2011

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Place of Birth: Feb 13, 1970, Buenos Aires, Argentina
United States Citizen, 2011

Postdoctoral Training:

2011-2013 Hepatobiliary & Surgical Oncology, Sacred Heart Medical Group, Pensacola, FL.
2009-2011 Surgical Oncology Fellowship, Duke University Medical Center
2006-2009 General Surgery Resident, University of Missouri Kansas City, Kansas City, MO
2005-2006 General Surgery Resident, Beth Israel Deaconess Medical Center (Harvard Medical School), Boston, MA
2002-2005 Research Fellow in Laparoscopy Beth Israel Deaconess Medical Center, Boston, MA
As a Coordinator of the Minimally Invasive Surgery Skills Lab at Beth Israel Deaconess Medical Center, I worked one-on-one with third- and fourth-year HMS medical students, general surgery residents and surgeons from Beth Israel Deaconess, Brigham and Women's Hospital and Massachusetts General Hospital, to help them gain proficiency in basic surgical skills as well as basic and advanced laparoscopic skills.
At Beth Israel Deaconess Medical Center (BIDMC), our efforts were aimed at training medical students and residents before they perform a laparoscopic procedure, so complications can be minimized or avoided altogether. At the Center's Technical Skills Lab, we utilized an unprecedented collection of simulators, like those used in flight aviation, and laparoscopic video trainers to provide hands-on training in basic and advanced laparoscopic skills and cognitive knowledge of laparoscopic surgery; which are essential skills doctors must hone to safely perform surgery from a 2-D monitor. Students and Residents are also offered with benchmark training and research opportunities to prepare the next generation of laparoscopic surgeons. The training program and technology provided hands-on learning for a new Harvard Medical School curriculum piloted by BIDMC. Participated as Instructor in Continuing Medical Education (CME) Courses.

2001-2002 Research Fellow in Laparoscopy University of Texas Southwestern Medical Center, Dallas, TX
At the University of Texas Southwestern Medical Center, I supervised a training curriculum in ultrasound for medical students. Students scanned various objects for identification and characterization utilizing a crude ultrasound model, consisting of a plastic box containing an agarose tissue-mimicking material as liver tissue. I also conducted research in the field of Hepatobiliary and Laparoscopy (see publications). Participated as Instructor in Continuing Medical Education (CME) Courses.

2000-2001 Research Fellow in Laparoscopy Duke, Durham, NC
At Duke University Medical Center, I performed a research project to establish the application of robotics in surgery. Using the Zeus system, we demonstrated potential applications for robotics in fine anastomosis like laparoscopic Roux-en-Y Hepatico-jejunostomy, showing that robotically-assisted laparoscopy is feasible and takes the same amount of time as standard laparoscopy. Participated as Instructor in Continuing Medical Education (CME) Courses.

1998-2000 Fellow in Hepatobiliary Surgery and Liver Transplantation, Italiano Hospital, BA, Argentina
1995-1997 Ultrasonography, SAUMB, BA, Argentina
1994-1998 General Surgery, Israelita Hospital, BA, Argentina

Regional, national, or international contributions

- 2008
 - Director in Intraoperative Ultrasound Training at the Society of American Gastrointestinal Endoscopic Surgeons (SAGES) Learning Center. Annual Meeting of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), April 2008, Philadelphia.
- 2007
 - Director in Intraoperative Ultrasound Training at the Society of American Gastrointestinal Endoscopic Surgeons (SAGES) Learning Center. Annual Meeting of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), April 2007, Las Vegas.
- 2006
 - American College of Surgeons Faculty for the Clinical Congress, Instructor at the Laparoscopic and Open Ultrasound Course. October, Chicago.
 - Invited lecturer at the American College of Surgeon Ultrasound Course at the Argentinean Surgical Society. November, Buenos Aires.
- 2005
 - American College of Surgeons Faculty for the Clinical Congress, Presenter and Instructor at the Abdominal, Transabdominal and Laparoscopic Ultrasound Course.
 - Co-Director in Ultrasound Training at the Society of American Gastrointestinal Endoscopic Surgeons (SAGES) Learning Center. Annual Meeting of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), Florida April 2005.
 - Invited lecturer at the International Course Hospital Millennium, February Ambato Ecuador:
 - Laparoscopic Ultrasound
 - Robotics in Surgery, Present and Future
 - Laparoscopic Common Bile Duct Exploration
 - Invited lecturer at American College of Osteopathic Surgeon In-Depth Review Jan 14-15th Florida:
 - Laparoscopic Biliary Ultrasound
 - Laparoscopic Common Bile Duct Exploration
 - Invited Course Director at American College of Osteopathic Surgeon In-Depth Review Jan 14-15th Florida:
 - Laparoscopic Common Bile Duct Exploration
- 2004
 - Society of American Gastrointestinal Endoscopic Surgeons Learning Center, role as Station Coordinator in Laparoscopic Common Bile Duct Exploration Training at the Annual Meeting of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), Denver March 2004.
 - Invited lecturer at the American College of Surgeon Ultrasound Course at the Argentinean Surgical Society. November, Buenos Aires:
 - Normal Anatomy Ultrasound of the Abdomen
- 2003
 - Society of American Gastrointestinal Endoscopic Surgeons Appropriateness Conference Course: Surgical Management of Morbidly Obese. March. Literature Reviewer of Laparoscopic Gastric Banding.
- 2001
 - Invited lecturer at Grand Rounds of Department of Surgery at the Hospital Israelita, Buenos Aires, Argentina. May, Buenos Aires Argentina:
 - Robotically Assisted Laparoscopic Hepatico-jejunostomy.

Original Articles (Publications)

1. Lipinszki A., Leandro D., Vaca D., Arechabala G., Bega G., Hara D., **Villegas L.**, Reichman P., Bumashny E. Per anal Septic Necrosis. *Journal of the Hospital Israelita* 1996; 2: 35-38.
2. Grosembacher L., Springer E., Mc Cormack L., **Villegas L.**, Santibañez E., Litwak L. Case Report: Fibrocalculous pancreatic diabetes mellitus in Argentina. *Journal of the Endocrine and Metabolism Argentine Society* 2000; 37(1): 51-54.
3. Pekolj J., Villegas L., Mazza O., Acuña J., McCormack L., Mattera J., Romero R., Macias, Davalos J., Gadano A., D'Agostino D., Sivori J., Ciardullo M., De Santibañez E. Management of Biliary Complication in 300 Liver Transplantation. *Rev Arg de Cirugia* 2001, Vol 81: 147.
4. Ballesta López C., Cid J.A., Poves I., Bettónica C, **Villegas L.**, Memon M.A. Laparoscopic surgery in the elderly patient Experience of a single laparoscopic unit. *Surgical Endoscopy* 2003; 17 (2): 333-337.
5. **Villegas L.**, Rege R., Jones D. Laparoscopic Heller Myotomy With Bolstering Partial Fundoplication for Achalasia. *J Lap & Adv Surg Technique* 2003; 13(1): 1-4.
6. Schneider B., Castillo J., **Villegas L.**, Scott D., Jones D. Laparoscopic Totally Extraperitoneal Versus Liechtenstein Herniorraphy: Cost Comparison at Teaching Hospitals. *Surg Laparosc Endosc Percutan Tech.* 2003 Aug; 13(4): 261-7.
7. Schneider B., **Villegas L.**, Blackburn G., Mun E., Critchlow J., Jones D. Laparoscopic Gastric Bypass: Outcomes. *J Lap & Adv Surg Technique* 2003; 13(4): 247-255
8. Scott D., **Villegas L.**, Sims T., Hamilton E., Provost D., Jones D. Intraoperative ultrasound and prophylactic Ursodiol for gallstone prevention following laparoscopic gastric bypass. *Surg Endosc* 2003; 17: 1796-1802.
9. **Villegas L.**, Schneider B., Callery M., Jones D. Skills Training in Laparoscopy. *Surg Endosc* (2003) 17: 1879-1888
10. **Villegas L.**, Schneider B., Provost D., Chang C., Scott D., Sims T., Hill L., Hynan L., Jones D. Is routine cholecystectomy required during Laparoscopic Roux-En-Y Gastric Bypass? *Obesity Surgery* (2004) 14 (1): 60-66.
11. **Villegas L.**, Lagoo S., Schwartz T., Athar N., Greene R., Eubanks W.S. Robotically Assisted Laparoscopic Roux en Y Hepatico-jejunostomy. *JLS* (2004) Jul-Sep; 8(3): 239-244.
12. Yoo M., **Villegas L.**, Jones D. Basic Ultrasound Curriculum For Medical Students: Validation Of Content And Phantom. *Journal of Lap & Adv Surg Tech* (2004) 14 (6): 374-379.
13. Maithel SK, **Villegas L.**, Stylopoulos N, Dawson S, Jones DB. Simulated Laparoscopy Using a Head Mounted Display VS Traditional Video Monitor: An Assessment of Performance and Muscle Fatigue. *Surgical Endoscopy.* 2005; 19 (3): 406-411.
14. Ali NA, Eubanks WS, Stamler JS, Gow AJ, Lagoo-Deenadayalan SA, **Villegas L.**, El-Moalem HE, Reynolds JD. A Method to Attenuate Pneumoperitoneum-Induced Reductions in Splanchnic Blood Flow. *Annals of Surgery* (2005) 241(2): 256-261.
15. Hamza M., Schneider B., White P., Recart A., **Villegas L.**, Ogunnaike B., Provost D., Jones D. Heated and humidified insufflation during laparoscopic gastric bypass surgery: effect on temperature, postoperative pain, and recovery outcomes. *Lap & Adv Surg Tech* (2005) 15: 6-12.
16. **Villegas L.**, Lindberg G., Chang C., Tefsay S., Jones D., Fleming J. Laparoscopic hepaticojejunostomy via PTFE-covered stent successfully achieves internal drainage of common bile duct obstruction. *HPB Journal* 2005; 7:149-54.
17. Devarajan V; Xiuzhong W; Shen Y; Eberhart R; Watson M; Jones D; **Villegas L.** A novel laparoscopic mesh placement part task trainer. *Int J Med Robot.* 2006 Dec; 2 (4): 312-20.
18. McIntyre T, Monahan T, **Villegas L.**, Doyle J, Jones DB. Teleconferencing surgery enhances effective communication and enriches medical education. *Surg Laparosc Endosc Percutan Tech* 2008; 18: 45-8.

Abstracts and Presentations

1. **Villegas L.**, Anatomical study of the Cheek Fat [abstract]. Oral Presentation at the XXX Congress of the Rioplatense Association of Anatomy, Punta del Este, Uruguay, 1994.
2. **Villegas L.**, Reichman P., Costantino S., Barca D., Hara D. Gallbladder Carcinoma [abstract]. Oral presentation in the 67th Argentine Congress on Surgery, October 1996.
3. De Santibañes E., Bonadeo F., Mc Cormack L., Aldet A., **Villegas L.**, Nefa J., Sívori J., Pekolj J., Ciardullo M., Ojea Quintana G., Vaccaro C., Benati M. Tactics and results of simultaneous colorectal cancer and liver metastasis resection [abstract]. Oral Presentation at the Argentine Surgery Academy. Buenos Aires, August 1999.
4. De Santibañes E., McCormack L., **Villegas L.**, Aldet A., Varela M., Pekolj J., Bonofiglio C., Bonadeo F., Benati M., Ojea G., Sívori J. Simultaneous Colorectal Cancer and Liver Metastases Resection: Tactics and Results [abstract]. Oral Presentation at the World Hepato-Pancreato-Biliary Association Congress, Florida, 18-21st February 1999. Abstract Book Page 107.
5. Pekolj J., Mazza O., Beskow A., Arbues G., Neffa J., McCormack L., Villegas L., Sívori J., De Santibañes E. Laparoscopic Treatment of Common Bile Duct Stones. Experience in one Service with 261 patients [abstract]. World Hepato-Pancreato-Biliary Association Congress Florida, February 1999. Abstract Book. Page 107.
6. Pekolj J., **Villegas L.**, Mazza O., Acuña J., McCormack L., Mattera J., Romero R., Macias, Davalos J., Gadano A., D'Agostino D., Sívori J., Ciardullo M., De Santibañes E. Management of Biliary Complication in 300 Liver Transplantation [abstract]. Presented at the Argentinean Academy of Surgeons, September 2000.
7. Ballesta-López C., Bastida-Vila X., Betónica-Larrañaga C., Zaraca F., Barca D., **Villegas L.**, Catarci M. Laparoscopic Approach to acute Biliary Pancreatitis [abstract]. *Surgical Endoscopy* 2000; 12(5): 603.
8. Ballesta-López C., Bastida-Vila X., Betónica-Larrañaga C., Zaraca F., Barca D., **Villegas L.**, Catarci M. Laparoscopic PTFE Gastric Banding for Morbid Obesity [abstract]. *Surgical Endoscopy* 2000; 12(5): 600.
9. Ballesta-López C., Bastida-Vila X., Betónica-Larrañaga C., Zaraca F., Barca D., **Villegas L.**, Catarci M. Laparoscopic Treatment of Gastric Cancer [abstract]. *Surgical Endoscopy* 2000; 12(5): 557.
10. Ballesta-López C., Bastida-Vila X., Betónica-Larrañaga C., Zaraca F., Barca D., **Villegas L.**, Catarci M. Laparoscopic Staging of Gastric Cancer [abstract]. *Surgical Endoscopy* 2000; 12(5): 494.
11. Pekolj J., **Villegas L.**, McCormack L., Mattera J., Mazza O., Romero R., D'Agostino D., Gadano A., Sívori J., De Santibañes E., Ciardullo M. Percutaneous Treatment of Biliary Complications in Liver Transplantation [abstract]. *Liver Transplantation* 2000; 6(3): C24.
12. De Santibañes E., **Villegas L.**, Pekolj J., Mazza O., Sívori J. Intraoperative Pancreatic Ultrasonography [abstract]. Presented at the Argentinean Academy of Surgeons, September 2000.
13. **Villegas L.**, Garcia-Oria M., McRae R., McMahon R., Lagoo S., Clary E.M., Eubanks W.S. Three-Dimensional Computerized Axial Manometry (Cam) Of the Canine Lower Esophageal Sphincter with and Without Fundoplication [abstract]. Oral presentation and poster Distinction at SAGES, St. Luis, March 2001. *Surgical Endoscopy*, 2001; 15 (1 Suppl): 170.
14. **Villegas L.**, Lagoo S., Schwartz T., Athar N., Greene R., Eubanks W.S. Robotically Assisted Laparoscopic Roux en Y Hepatico-jejunostomy [abstract]. Oral presentation at the 10th Annual Medicine Meets Virtual Reality, New Port Beach, California, January 2002.
15. **Villegas L.**, Lagoo S., Schwartz T., Athar N., Greene R., Eubanks W.S. Robotically Assisted Laparoscopic Roux en Y Hepatico-jejunostomy [abstract]. Video presentation at Society of Laparoscopic Surgeons (SLS), New York, December 2001. *Journal of Society of Laparoscopic Surgeons JSLS* 2001; 5: 377.
16. **Villegas L.**, Rege R., Jones D. Laparoscopic Heller Myotomy with Bolstering Partial Fundoplication for Achalasia [abstract]. Poster presentation at SAGES, New York, March 2002. *Surgical Endoscopy* 2002; 16(1 Suppl): 288.
17. **Villegas L.**, Kondraske G., Napper C., Cadeddu J., Jones D. Laparoscopic Skills: Do Good Hands Beget Laparoscopic Ability? [Abstract]. Poster presentation at SAGES, New York, March 2002. *Surgical Endoscopy* 2002; 16(1 Suppl): 322.
18. **Villegas L.**, Bieligg S., Fleming J.B., Jones D., Loggie L. Laparoscopic Intraperitoneal Hyperthermic Chemotherapy for Malignant Ascites in Peritoneal Carcinomatosis [abstract]. Poster presentation at SAGES, New York, March 2002. *Surgical Endoscopy* 2002; 16(1 Suppl): 332.
19. Lagoo S., **Villegas L.**, Eldaif B., Pinheiro J., Voss M., Gupta M., McMahon R., Greene R., McRae R., Clary E., Gottfried M., Eubanks W.S. Histological Changes In Canine Esophageal Mucosa Following Acid Reflux And Mixed Acid And Alkaline Reflux [abstract]. Poster presentation at SAGES, New York, March 2002. *Surgical Endoscopy* 2002; 16(1 Suppl): 283.
20. Scott D., **Villegas L.**, Sims T., Hamilton E., Provost A., Jones D. Are Intraoperative Ultrasound and Postoperative Ursodiol Effective for Gallstone Detection and Prevention following Laparoscopic Roux-En-Y Gastric Bypass? [Abstract]. Oral presentation at SAGES, New York, March 2002. *Surgical Endoscopy* 2002; 16(1 Suppl): 191.
21. **Villegas L.**, Siragusa T., Provost D., Jones D. Laparoscopic Gastric Banding for Morbid Obesity [abstract]. Oral presentation (Video) at the American College of Surgeons, San Francisco, October 2002.
22. **Villegas L.**, Kondraske G., Napper C., Cadeddu J., Jones D. Laparoscopic Skills: Do Good Hands Beget Laparoscopic Ability? [Abstract]. Oral presentation at the Fourth Annual University of Texas Southwestern Department of Surgery, Surgical Research Forum, Dallas, May 2002.

23. Schneider B., **Villegas L.**, Recart A., Hamza M., White P., Jones D. Humidified And Warmed Carbon Dioxide Insufflation During Laparoscopic Gastric Bypass For Morbid Obesity Surgery [abstract]. Presented at the Annual Meeting of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), Los Angeles, March 2003.
24. Yoo M., **Villegas L.**, Jones D. Basic Ultrasound Curriculum For Medical Students: Validation of Content and Phantom [abstract]. Presented at the Annual Meeting of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), Los Angeles, March 2003.
25. **Villegas L.**, Rege R., Tesfay S., Jones D. Development of a Laparoscopic Common Bile Duct Exploration Training Model for Resident Training [abstract]. Presented at the Annual Meeting of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), Los Angeles, March 2003.
26. **Villegas L.**, Fleming J., Chang C., Tesfay S., Jones D. Laparoscopic Hepaticojejunostomy using a PTFE-covered biliary stent [abstract]. Presented at the Annual Meeting of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), Los Angeles, March 2003.
27. Schneider B., **Villegas L.**, Provost D., Jones D. Laparoscopic Bariatric Surgery in the elderly [abstract]. Poster presentation at the Annual Meeting of the SSAT (DDW) Orlando, Florida 2003.
28. **Villegas L.**, Schneider B., Chang C., Scott D., Sims T., Hill L., Provost D., Jones D. Gallstone formation following laparoscopic gastric bypass: prophylactic Ursodiol and ultrasound follow up [abstract]. Poster presentation at the Annual Meeting of the SSAT (DDW) Orlando, Florida 2003.
29. Schneider S., **Villegas L.**, Provost D., Jones D. Improvement of glaucoma following gastric bypass [abstract]. Poster presentation at the Annual Meeting of American Society of Bariatric Surgery (ASBS), Boston June 2003.
30. **Villegas L.**, Schneider B., Provost D., Chang C., Scott D., Sims T., Hill L., Hynan L., Jones D. Is routine cholecystectomy required during Laparoscopic Roux-En-Y Gastric Bypass? [Abstract]. Oral presentation at the Annual Meeting of the American Society of Bariatric Surgery (ASBS), Boston June 2003. *Obes Surg* 2003; 13: 71-76.
31. Maithel S., **Villegas L.**, Stylopoulos N., Dawson S., Jones D. Laparoscopic Surgical Performance Using Head-Mounted Display [abstract]. Presented at the Annual Meeting of the Society of American gastrointestinal and endoscopic surgeons (SAGES), Denver, March 2004.
32. **Villegas L.**; Claros L.; Sanchez v.; McIntyre T.; Schneider B.; Jones D. Results of a change to mandatory skills testing among surgical residents [abstract]. Accepted for Presentation at the Annual Meeting of the Society of American gastrointestinal and endoscopic surgeons (SAGES), Florida, April 2005.
33. Schneider B.; Rivera L.; **Villegas L.**; Jones D. Initial Results Using Virtual Reality For Testing On The Effects Of Sleep Deprivation. Accepted for Presentation at the Annual Meeting of the Society of American gastrointestinal and endoscopic surgeons (SAGES), Florida, April 2005.
34. McIntyre T.; **Villegas L.**; Doyle J.; Jones D. Telesurgery Enhances Education of Medical Students. Accepted for Presentation at the Annual Meeting of the Society of American gastrointestinal and endoscopic surgeons (SAGES), Florida, April 2005.
35. **Villegas L.**, Walcott R, Claros L, Vollmer C, Beth Israel Deaconess Medical Center, Boston, MA. Retrograde Laparoscopic Cholecystectomy for Xanthogranulomatous Cholecystitis. Accepted for Video Presentation at the American Hepato-Pancreato-Biliary Association (AHPBA), Florida, March 2006.
36. **Villegas L.**, Machi J. New Hepatobiliary Ultrasound Phantom Replacing the Animal Lab to Teach Surgeons Intraoperative Ultrasound. Accepted for Oral Presentation at the American Hepato-Pancreato-Biliary Association (AHPBA), Florida, March 2008.

Reviews, Chapters

1. **Villegas L.**, Schneider B., Callery M., Jones D. Skills Training in Laparoscopy. Invited Review Article in *Surg Endosc* (2003) 17: 1879-1888
2. **Villegas L.**, Rege R. Laparoscopic Heller Myotomy. Book Chapter in *Laparoscopic Surgery*, Daniel B. Jones, M.D., Justin S. Wu, M.D., Nathaniel J. Soper, M.D., Second Edition 2004.
3. **Villegas L.**, Laparoscopic Common Bile Duct Exploration. Book Chapter in *Atlas of Minimally Invasive Surgery*, Jones, Maithel, Schneider. First Edition 2006.