

Stanford



James Wall

Assistant Professor of Surgery (Pediatric Surgery) at the Lucile Salter Packard Children's Hospital

Surgery - Pediatric Surgery

CLINICAL OFFICES

- **Pediatric Surgical Specialties Clinic**

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Palo Alto, CA 94304

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

BIO

Dr. James Wall is a practicing Pediatric Surgeon at Stanford University. He is an alumnus of the Stanford Biodesign program and holds a Master's degree in Bioengineering. His current research interest is in the design, development and analysis of health technology as well as the emerging field of surgical endoscopy. James currently leads the surgical endoscopy program at Lucile Packard Children's Hospital and is the Assistant Director of the Biodesign Innovation Fellowship for Stanford Biodesign. Lucile Packard is one of the only Children's Hospitals in the world to offer advanced surgical endoscopic procedures including the Per-Oral Endoscopic Myotomy (POEM) for Achalasia.

CLINICAL FOCUS

- Pediatric Surgery
- Neonatal Surgery
- Minimally Invasive Pediatric Surgery
- Endoscopic Gastrointestinal Surgery
- Anorectal Malformations
- Congenital Diaphragmatic Hernia
- Hirschsprung's Disease
- Congenital Pulmonary Airway Malformations
- Pectus Excavatum
- Pectus Carinatum

ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Surgery - Pediatric Surgery
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Chairman Value Based Selection Committee, Lucile Packard Children's Hospital, (2015- present)

- Assistant Director, Biodesign Innovation Fellowship, Stanford Byers Center for Biodesign, (2014- present)

HONORS AND AWARDS

- Pediatric Surgery Fellowship Teaching Award, Division of Pediatric Surgery (2016)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University School of Medicine Registrar (2003) CA
- Residency: UCSF Dept of General Surgery (2003) CA
- Internship: UCSF Dept of General Surgery (2003) CA
- Board Certification: Pediatric Surgery, American Board of Surgery (2015)
- Board Certification: General Surgery, American Board of Surgery (2010)
- Medical Education: University of Pennsylvania (2003) PA
- Biodesign Fellowship, Stanford Byers Center for Biodesign (2007)
- Masters of Bioengineering, Stanford University (2008)

LINKS

- Stanford Byers Center for Biodesign: <http://biodesign.stanford.edu/bdn/index.jsp>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Health Technology Innovation

Teaching

COURSES

2018-19

- Biodesign Fundamentals: MED 275B (Spr)

2017-18

- Biodesign Fundamentals: MED 275B (Spr)
- Senior Capstone Design I: BIOE 141A (Aut)

2016-17

- Biodesign Fundamentals: MED 275B (Spr)
- Senior Capstone Design I: BIOE 141A (Aut)

2015-16

- Biodesign: Medical Technology Innovation: MED 275B (Spr)
- Senior Capstone Design I: BIOE 141A (Aut)
- Senior Capstone Design II: BIOE 141B (Win)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Orestis Vardoulis, Vivian de Ruijter

Postdoctoral Research Mentor

Orestis Vardoulis, Vivian de Ruijter

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Pediatric Surgery (Fellowship Program)

Publications

PUBLICATIONS

- **Trends and surgical outcomes of laparoscopic versus open pyloromyotomy.** *Surgical endoscopy*
Kethman, W. C., Harris, A. H., Hawn, M. T., Wall, J. K.
2018
- **Advanced minimal access surgery in infants weighing less than 3kg: A single center experience.** *Journal of pediatric surgery*
Wall, J. K., Sinclair, T. J., Kethman, W., Williams, C., Albanese, C., Sylvester, K. G., Bruzoni, M.
2017
- **Initial experience with peroral endoscopic myotomy for treatment of achalasia in children.** *Journal of pediatric surgery*
Kethman, W. C., Thorson, C. M., Sinclair, T. J., Berquist, W. E., Chao, S. D., Wall, J. K.
2017
- **Endoscopic Division of Duodenal Web Causing Near Obstruction in 2-Year-Old with Trisomy 21** *JOURNAL OF LAPAROENDOSCOPIC & ADVANCED SURGICAL TECHNIQUES*
Wood, L. S., Kastenber, Z., Sinclair, T., Chao, S., Wall, J. K.
2016; 26 (5): 413-417
- **Endoscopic Submucosal Dissection of a Large Hamartoma in a Young Child.** *Journal of pediatric gastroenterology and nutrition*
Wall, J., Esquivel, M., Bruzoni, M., Wright, R., Berquist, W., Albanese, C.
2016; 62 (1): e5-7
- **Biodesign process and culture to enable pediatric medical technology innovation** *SEMINARS IN PEDIATRIC SURGERY*
Wall, J., Wynne, E., Krummel, T.
2015; 24 (3): 102-106
- **Initial Results of Endoscopic Gastrocutaneous Fistula Closure in Children Using an Over-the-Scope Clip.** *Journal of laparoendoscopic & advanced surgical techniques. Part A*
Wright, R., Abrajano, C., Koppolu, R., Stevens, M., Nyznyk, S., Chao, S., Bruzoni, M., Wall, J.
2015; 25 (1): 69-72
- **Prenatal imaging and postnatal presentation, diagnosis and management of congenital lung malformations.** *Current opinion in pediatrics*
Wall, J., Coates, A.
2014; 26 (3): 315-319
- **Introduction of the per-oral endoscopic myotomy technique to pediatric surgical practice** *Journal of Pediatric Surgery Case Reports*
Chao, S., Russo, M., Wright, R., Rivas, H., Wall, J.
2014
- **A Prospective Randomized Trial of Ultrasound- vs Landmark-Guided Central Venous Access in the Pediatric Population.** *Journal of the American College of Surgeons*
Bruzoni, M., Slater, B. J., Wall, J., St Peter, S. D., Dutta, S.
2013; 216 (5): 939-943
- **Virtual Neck Exploration for Parathyroid Adenomas A First Step Toward Minimally Invasive Image-Guided Surgery** *JAMA SURGERY*
D'Agostino, J., Wall, J., Soler, L., Vix, M., Duh, Q., Marescaux, J.
2013; 148 (3): 232-238
- **Algorithm for Calculating Haller Index for Pectus Excavatum Using 3-Dimensional Optical Scanning**
Taylor, J. S., Szafer, D., Madhavan, S., Hasseini, S., Pei, A., Koppolu, R., Barnaby, K. D., Danzer, E., Wall, J. K., Chao, S.
ELSEVIER SCIENCE INC.2018: S192

- **A Simplified Method for Three-Dimensional Optical Imaging and Measurement of Patients with Chest Wall Deformities.** *Journal of laparoendoscopic & advanced surgical techniques. Part A*
Szafer, D., Taylor, J. S., Pei, A., de Ruijter, V., Hosseini, H., Chao, S., Wall, J.
2018
- **Dilation of Esophageal Stricture in a Pediatric Patient Using Functional Lumen Imaging Probe Technology Without the Use of Fluoroscopy.** *Journal of pediatric gastroenterology and nutrition*
Taylor, J. S., Danzer, E., Berquist, W. E., Wall, J. K.
2018
- **A multidisciplinary approach to laparoscopic sleeve gastrectomy among multiethnic adolescents in the United States.** *Journal of pediatric surgery*
Jaramillo, J. D., Snyder, E., Farrales, S., Stevens, M., Wall, J. K., Chao, S., Morton, J., Pratt, J. S., Hammer, L., Shepard, W. E., Bruzoni, M.
2017
- **Ultrasound-Guided Percutaneous Vein Access for Placement of Broviac Catheters in Extremely Low Birth Weight Neonates: A Series of 3 Successful Cases** *JOURNAL OF LAPAROENDOSCOPIC & ADVANCED SURGICAL TECHNIQUES*
Dambkowski, C. L., Abrajano, C. T., Wall, J.
2015; 25 (11): 958-960
- **Long-term follow-up of laparoscopic transcuteaneous inguinal herniorrhaphy with high transfixation suture ligature of the hernia sac.** *Journal of pediatric surgery*
Bruzoni, M., Jaramillo, J. D., Kastenber, Z. J., Wall, J. K., Wright, R., Dutta, S.
2015; 50 (10): 1767-1771
- **Challenges and climate of business environment and resources to support pediatric device development** *SEMINARS IN PEDIATRIC SURGERY*
Iqbal, C. W., Wall, J., Harrison, M. R.
2015; 24 (3): 107-111
- **Congenital peribronchial myofibroblastic tumor: case report of an asymptomatic infant with a rapidly enlarging pulmonary mass and review of the literature.** *Annals of clinical and laboratory science*
Brock, K. E., Wall, J., Esquivel, M., Newman, B., Marina, N., Albanese, C., Hazard, F. K.
2015; 45 (1): 83-89
- **Complete resection of a rare intrahepatic variant of a choledochal cyst** *JOURNAL OF PEDIATRIC SURGERY*
Salles, A., Kastenber, Z. J., Wall, J. K., Visser, B. C., Bruzoni, M.
2013; 48 (3): 652-654
- **Successful extracorporeal membrane oxygenation treatment for pheochromocytoma-induced acute cardiac failure** *AMERICAN JOURNAL OF EMERGENCY MEDICINE*
Sojod, G., Diana, M., Wall, J., D'Agostino, J., Mutter, D., Marescaux, J.
2012; 30 (6)
- **An Original Endoluminal Magnetic Anastomotic Device Allowing Pure NOTES Transgastric and Transrectal Sigmoidectomy in a Porcine Model: Proof of Concept** *SURGICAL INNOVATION*
Leroy, J., Perretta, S., Diana, M., Wall, J., Lindner, V., Harrison, M., Marescaux, J.
2012; 19 (2): 109-116
- **Submucosal Endoscopic Myotomies for Esophageal Lengthening: A Novel Minimally Invasive Technique with Feasibility Study** *EUROPEAN JOURNAL OF PEDIATRIC SURGERY*
Wall, J., Perretta, S., Diana, M., Dhumane, P., Haro, J. A., Dallemagne, B., Becmeur, F., Krummel, T., Marescaux, J.
2012; 22 (3): 217-221
- **Prospective evaluation of peritoneal fluid contamination following transabdominal vs. transanal specimen extraction in laparoscopic left-sided colorectal resections** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
Costantino, F. A., Diana, M., Wall, J., Leroy, J., Mutter, D., Marescaux, J.
2012; 26 (6): 1495-1500
- **Totally Endoscopic Magnetic Enteral Bypass by External Guided Rendez-Vous Technique** *SURGICAL INNOVATION*
Diana, M., Wall, J., Perretta, S., Dallemagne, B., Gonzales, K. D., Harrison, M. R., Agnus, V., Soler, L., Nicolau, S., Marescaux, J.
2011; 18 (4): 317-320

- **Two novel endoscopic esophageal lengthening and reconstruction techniques** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
Perretta, S., Wall, J. K., Dallemagne, B., Harrison, M., Becmeur, F., Marescaux, J.
2011; 25 (10): 3440-3440
- **Original Technique to Close the Transrectal Viscerotomy Access in a NOTES Transrectal and Transgastric Segmental Colectomy** *SURGICAL INNOVATION*
Leroy, J., Diana, M., Perretta, S., Wall, J., De Ruijter, V., Marescaux, J.
2011; 18 (3): 193-200
- **Robotic Gastrectomy Is Safe and Feasible, but Real Benefits Remain Elusive** *ARCHIVES OF SURGERY*
Wall, J., Marescaux, J.
2011; 146 (9): 1092-1092
- **Laparo-Endoscopic Single-Site (LESS) with Transanal Natural Orifice Specimen Extraction (NOSE) Sigmoidectomy: A New Step before Pure Colorectal Natural Orifices Transluminal Endoscopic Surgery (NOTES (R))** *JOURNAL OF GASTROINTESTINAL SURGERY*
Leroy, J., Diana, M., Wall, J., Costantino, F., D'Agostino, J., Marescaux, J.
2011; 15 (8): 1488-1492
- **Intellectual property and royalty streams in academic departments: Myths and realities** *SURGERY*
Krummel, T. M., Shafi, B. M., Wall, J., Chandra, V., Mery, C., Gertner, M.
2008; 143 (2): 183-191
- **Impact of multiple lymphatic channel drainage to a single nodal basin on outcomes in melanoma** *78th Annual Meeting of the Pacific-Coast-Surgical-Association*
Wall, J. K., Florero, M., Accortt, N. A., Allen, R., Kashani-Sabet, M., Morita, E., Leong, S. P.
AMER MEDICAL ASSOC.2007: 753-56