

CURRICULUM VITAE

NAME:

Akemi Loraine Kawaguchi, M.D.

PRESENT TITLE:

Assistant Professor

Medical Director of Pediatric Surgery, The Woman's Hospital of Texas

Director of the Texas Pediatric Colorectal Program

WORK ADDRESS:

University of Texas Health Science Center at Houston

Department of Pediatric Surgery

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UNDERGRADUATE EDUCATION:

1992 University of California, Berkeley

Bachelor of Arts

GRADUATE EDUCATION:

1999 University of California, Los Angeles School of Medicine

Doctorate of Medicine

POSTGRADUATE TRAINING:

1999 – 2000 General Surgery Intern, Massachusetts General Hospital

2000 – 2006 General Surgery Resident, Massachusetts General Hospital

2006 – 2008 Pediatric Surgery Fellow, Baylor College of Medicine, Texas Children's
Hospital

ACADEMIC APPOINTMENTS:

2014 – Present Assistant Professor, Department of Pediatric Surgery, University of Texas Health Science Center at Houston
2008 – 2014 Assistant Professor, Clinical Surgery, Keck School of Medicine at the University of Southern California

HOSPITAL APPOINTMENTS:

Memorial Hermann-TMC/Children’s Memorial Hermann Hospital
MD Anderson Cancer Center
Memorial Hermann Southwest Hospital
Harris County Hospital District, Lyndon B. Johnson General Hospital
The Women’s Hospital of Texas

LICENSURE:

Texas	License #	Q0476
California	License#	A104084
Massachusetts	License#	214864

BOARD CERTIFICATIONS:

04/2007 American Board of Surgery – General Surgery #53297
03/2010 American Board of Surgery – Pediatric Surgery #1125

OTHER CERTIFICATIONS:

American Heart Association (BLS)	Exp. 05/2019
Pediatric Advanced Life Support (PALS)	Exp. 06/2018
Advanced Trauma Life Support (ATLS)	Exp. 05/2019

PROFESSIONAL ORGANIZATIONS:

American College of Surgeons, Fellow
American Academy of Pediatrics, Member
American Pediatric Surgical Association, Member
Alpha Omega Alpha Honors Society, Member

Pacific Association of Pediatric Surgeons, Member
Association for Academic Surgery, Member

HONOR AND AWARDS:

2003 NIH - Individual National Research Service Award
2002 Richard Linton MGH Surgical Research Fellowship
1998 Alpha Omega Alpha
1998 Letter of Distinction for Doctoring III
1997 Letter of Distinction for Pediatrics
1997 Letter of Distinction for Doctoring II
1995 Josiah Brown Student Research Award
1990 – 1992 Dean's List
1988 California Alumni Scholar

EDITORIAL POSITIONS:

Manuscript review for the Journal of Pediatric Surgery

SERVICES ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS,

COMMITTEES:

2017 – Current American Pediatric Surgical Association – Quality and Safety
Committee
2016 – Current American Pediatric Surgical Association – Outcomes and
Evidence-Based Practice Committee
2016 – Current Long-Term Functional Outcomes Group for Colorectal Disorders
2012 – Current Pediatric Surgical Research Consortium

SERVICE ON THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT

HOUSTON COMMITTEES:

2015 – Current Pediatric surgical champion representative for the National Surgical
Quality Improvement Pediatric Program at Memorial Hermann
2014 – Current Women in Surgery Mentor

SERVICE ON UTMSH AFFILIATED HOSPITAL COMMITTEES:

2014 - Current Surgical Safety Council
2014 - Current Surgical Safety Card Committee
2015 - Current Surgical Champion for the National Surgical Quality Improvement
Program - Pediatric

CURRENT TEACHING RESPONSIBILITIES:

Medical student, resident, and pediatric surgical fellow education
Mentor for several women who are interested in a career in surgery

PAST GRANT SUPPORT:

2013 – 2014 CTSI Grant for Biomarkers and Microbiome of Hirschsprung –
associated enterocolitis
2016 – 2018 University of Texas System Healthcare Safety and Effectiveness
Collaborative Efforts in Clinical Programs Grant

PUBLICATIONS:

ABSTRACTS: N/A

REFEREED ORIGINAL ARTICLES IN JOURNALS:

1. Kolobow T, Powers T, Mandava S, Aprigliano M, **Kawaguchi A**, Tsuno K, Mueller E. Intratracheal Pulmonary Ventilation (ITPV): control of positive end-expiratory pressure at the level of the carina through the use of a novel ITPV catheter design. *Anesthesia and Analgesia*. 78(3): 455-61, 3/1994. PMID: 8109760
2. **Kawaguchi AL**, Dunn JC, Fonkalsrud EW. Management of Peritoneal Dialysis-Induced Hydrothorax in Children. *American Surgeon*. 62(10): 820-4, 10/1996. PMID: 8813163
3. **Kawaguchi A**, Dunn J, Kim D, Choi R, Vacanti J, Fonkalsrud E. In Vivo Differentiation of Intestinal Crypt Cells Transplanted on a Biodegradable Scaffold. *Surgical Forum*. 48: 646-9, 1997.
4. **Kawaguchi AL**, Dunn JC, Fonkalsrud EW. In Vivo Growth of Transplanted Genetically Altered Intestinal Stem Cells. *Journal of Pediatric Surgery*. 33(4):

- 559-63, 4/1998. PMID: 9574751
5. Fonkalsrud EW, Dunn JC, **Kawaguchi AL**. Simplified Technique for Antegrade Continence Enemas Fecal Retention and Incontinence. *Journal of the American College of Surgeons*. 187(4): 457-60, 10/1998. PMID: 9783795
 6. **Kawaguchi AL**, Dunn JC, Lam M, O'Connor TP, Diamond J, Fonkalsrud EW. Glucose Uptake in the Dilated Small Intestine. *Journal of Pediatric Surgery*. 33(11): 1670-3, 11/1998. PMID: 9856892
 7. **Kawaguchi AL**, Dunn JC, Saing MS, Cortina G, Fonkalsrud EW. Functional and Morphological Changes of the Ileal Mucosa After Ileoanal Pouch Procedure. *Journal of the American College of Surgeons*. 190(3): 310-4, 3/2000. PMID: 10703856
 8. Dunn J, **Kawaguchi A**, Fonkalsrud E. Undescended Testis and Orchiopexy. *Operative Techniques in General Surgery*. 6(4): 269-280, 2004.
 9. **Kawaguchi AL**, Donahoe PK, Ryan DP. Management and Long-term Follow-up of Patients with Type III and IV Laryngotracheoesophageal Clefts. *Journal of Pediatric Surgery*. 40(1): 158-64, 1/2005. PMID: 15868578
 10. Dominguez FJ, Black DM, **Kawaguchi AL**, O'Malley ca, Hughes KS. Elastic stay hooks and self-retaining retractor technique for mastectomy skin flaps. *Surgery*. 141(2): 272-74, 2/2007. PMID: 17263986
 11. **Kawaguchi AL**, Shaul DB. Inguinal Hernias can be Accurately Diagnosed using the Parent's Digital Photographs When the Physical Examination is Nondiagnostic. *Journal of Pediatric Surgery*. 44(12): 2327-9, 12/2009 PMID: 20006019
 12. Castle SL, Naik-Mathuria BJ, **Kawaguchi AL**, Shaul DB. Management of rectal pyogenic granuloma with transanal mucosal sleeve resection. *Journal of Pediatric Surgery*. 47(9): 1754-6, 9/2012. PMID: 22974618
 13. Westphaln K, Lowe C, Burke RV, **Kawaguchi A**, Pierce JR, Upperman JS. Emergency management of pancreatic injury in a 5-year-old. *Adv. Emerg. Nurs. J.* 35(2): 122-8. 2013 Apr-Jun. PMID: 23636044
 14. Short SS, Papillon S, Berel D, Ford HR, Frykman PK, **Kawaguchi A**. Late onset of necrotizing enterocolitis in the full-term infant is associated with increased mortality: results from a two-center analysis. *Journal of Pediatric Surgery*. 49(6): 950-3, 6/2014. PMID: 24888841

15. Levin D, Matthews J, Spurrier R, Grant C, **Kawaguchi A**. Intestinal Malrotation in Monozygotic Twins: An Asymptomatic Twin Should Be Screened. *Journal of Pediatric Surgery Case Reports* 2(20): 76-78, 2014.
16. Levy SM, Lally KP, Blakely ML, Calkins CM, Dassinger MS, Duggan E, Huang EY, **Kawaguchi AL**, Lopez ME, Russell RT, St Peter SD, Streck CJ, Vogel AM, Tsao K; Pediatric Surgery Research Collaborative. Surgical wound misclassification: a multicenter evaluation. *J Am Coll Surg*. 220(3): 323-9, 3/2015. PMID: 25532617
17. Frykman PK, Nordenskjöld A, **Kawaguchi A**, Hui TT, Granström AL, Cheng Z, Tang J, Underhill DM, Iliev I, Funari VA, Wester T; HAEC Collaborative Research Group (HCRG). Characterization of Bacterial and Fungal Microbiome in Children with Hirschsprung Disease with and without a History of Enterocolitis: A Multicenter Study. *PLoS One*. 10(4): e0124172. 4/2015
18. Putnam LR, Anderson KT, Diffley MB, Hildebrandt AA, Caldwell KM, Minzenmayer AN, Covey SE, **Kawaguchi AL**, Lally KP, Tsao K. Meaningful use and good catches: More appropriate metrics for checklist effectiveness. *J Pediatr Surgery*. 51(4): 639-44, 4/2016. PMID: 26590473
19. Demehri FR, Frykman PK, Cheng Z, Ruan C, Wester T, Nordenskjöld A, **Kawaguchi A**, Hui TT, Granström AL, Funari V, Teitelbaum DH; HAEC Collaborative Research Group. Altered fecal short chain fatty acid composition in children with a history of Hirschsprung-associated enterocolitis. *J Pediatr Surg*. 51(1): 81-6, 1/2016. PMID: 26561246
20. Anderson KT, Greenfield S, Putnam LR, Hamilton E, **Kawaguchi A**, Austin MT, Kao LS, John SD, Lally KP, Tsao K. Don't forget the dose: Improving computed tomography dosing for pediatric appendicitis. *J Pediatr Surg*. 51(12): 1944-48, 9/2016. PMID: 27692347
21. Putnam LR, Levy SM, Blakely ML, Lally KP, Wyrick DL, Dassinger MS, Russell RT, Huang EY, Vogel AM, Streck CJ, **Kawaguchi AL**, Calkins CM, St Peter SD, Abbas PI, Lopez ME, Tsao K. A multicenter, pediatric quality improvement initiative improves surgical wound class assignment, but is it enough?; Pediatric Surgical Research Collaborative. *J Pediatr Surg*. 2016 Apr;51(4):639-44. doi: 10.1016/j.jpedsurg.2015.10.046. Epub 2015 Oct 20.

22. Putnam LR, Anderson KT, Tsao K, Kao LS, Lugo JA, Lally KP, **Kawaguchi AL**. The impact of cardiac risk factors on short-term outcomes for children undergoing a Ladd procedure. *J Pediatr Surg*. 2017 Mar; 52(3): 390-4, 3/2017. PMID: 27894758
23. Anderson KT, Putnam L, Caldwell KM, B Diffley M, A Hildebrant A, Covey SE, Austin MT, **Kawaguchi AL**, Lally KP, Tsao K. Imaging gently? Higher rates of computed tomography imaging for pediatric appendicitis in non-children's hospitals. *Surgery*. 161(5): 1326-33, 5/2017. PMID: 27919452
24. Bartz-Kurycki MA, Anderson KT, Abraham JE, Masada KM, Wang J, **Kawaguchi AL**, Lally KP, Tsao K. Debriefing: The Forgotten Phase of the Surgical Safety Checklist. *J Surg Research*. 213: 222-27, 6/2017. PMID: 28601318
25. Frykman PK, Kim S, Wester T, Nordenskjold A, **Kawaguchi A**, Hui TT, Teitelbaum DH, Granstrom AL, Rogatko A, HAEC Collaborative Research Group (HCRG). Critical evaluation of the Hirschsprung-associated enterocolitis (HAEC) score: A multicenter study of 116 children with Hirschsprung disease. *J Pediatr Surg*. 7/2017 pii: S0022-3468(17)30421-9 (Epub ahead of print). PMID: 28760457
26. Dasgupta R, Renaud E, Goldin AB, Baird R, Cameron DB, Arnold MA, Diefenbach KA, Gosain A, Grabowski J, Guner YS, Jancelewicz T, **Kawaguchi A**, Lal DR, Oyetunji TA, Ricca RL, Shelton J, Somme S, Williams RF, Downard CD. Ovarian torsion in pediatric and adolescent patients: A systematic review. *J Pediatr Surg*. 2017 Nov 16. pii: S0022-3468(17)30709-1. 10/2017. PMID:29153467
27. Anderson KT, Bartz-Kurycki MA, Masada KM, Abraham JE, Wang J, **Kawaguchi AL**, Austin MT, Kao LS, Lally KP, Tsao K. Decreasing intraoperative delays with meaningful use of the surgical safety checklist. *Surgery*. 2018 Feb;163(2):259-263. PMID:29129363
28. Anderson KT, Bartz-Kurycki M, Austin MT, **Kawaguchi A**, John SD, Kao LS, Tsao K. Approaching zero: Implications of a computed tomography reduction program for pediatric appendicitis evaluation. *J Pediatr Surg*. 2017 Dec;52(12):1909-1915. PMID: 28927978
29. Hamilton E, Pham D, Minzenmayer A, Kao L, Lally K, Tsao K, **Kawaguchi A**.

- Are we missing near misses in the operating room? *J Surg Res.* 2018 Jan; 221:336-342. PMID: 29229148
30. Hospital type predicts computed tomography use for pediatric appendicitis. Anderson KT, Bartz-Kurycki MA, Austin MT, **Kawaguchi AL**, Kao LS, Lally KP, Tsao K. *J Pediatr Surg.* 2018 May 29. [Epub ahead of print]
 31. Bartz-Kurycki MA, Anderson KT, Supak DN, Wythe SN, Garwood GM, Martin RF, Gutierrez R, **Kawaguchi AL**, Tsao K. Adherence to the Pediatric Preinduction Checklist is Improved When Parents are Surgery. 2018 Aug; 164 (20): 344-349.
 32. Let the right one in: High admission rate for low-acuity pediatric burns. Anderson KT, Bartz-Kurycki MA, Garwood GM, Martin R, Gutierrez R, Supak DN, Wythe SN, **Kawaguchi AL**, Austin MT, Huzar TF, Tsao K. *Surgery.* 2018 Aug 25. [Epub ahead of print]
 33. Anderson KT, Bartz-Kurycki MA, **Kawaguchi AL**, Austin MT, Holzmann-Pazgal G, Kao LS, Lally KP, Tsao K Home Antibiotics at Discharge for Pediatric Complicated Appendicitis: Friend or Foe? *J Am Coll Surg.* 2018 Aug;227(2):247-254
 34. Anderson KT, Bartz-Kurycki MA, Ferguson DM, **Kawaguchi AL**, Austin MT, Kao LS, Lally KP, Tsao K. Too much of a bad thing: Discharge opioid prescriptions in pediatric appendectomy patients. *J Pediatr Surg.* 2018 Sep 2. [Epub ahead of print]
 35. Anderson KT, Bartz-Kurycki MA, Austin MT, **Kawaguchi AL**, Kao LS, Lally KP, Tsao K. Room for "quality" improvement? Validating National Surgical Quality Improvement Program-Pediatric (NSQIP-P) appendectomy data. Anderson KT, Bartz-Kurycki MA, Austin MT, Kawaguchi AL, Kao LS, Lally KP, Tsao K. *J Pediatr Surg.* 2018 Oct 5. [Epub ahead of print]
 36. Bartz-Kurycki MA, Anderson KT, Austin MT, Kao LS, Tsao K, Lally KP, **Kawaguchi AL**. Comorbidities Associated with Increased Complications in Pediatric Surgery, not Down Syndrome Itself. *J Surg Res.* 2018 Oct; 230:125-130.

ARTICLES IN PREPARATION:

1. Putnam L, Ostovar-Kermani T, Levy S, Pham D, Austin M, **Kawaguchi A**,

- Harting M, Holzmann-Pazgal G, Lally K, Tsao K. A Prospective Evaluation of Peritoneal Drain Placement in Children with Perforated Appendicitis.
2. **Kawaguchi A**, Jain R, Levy S, Kellagher C, Putnam L, Pham D, Wright S, Lally K, Kao L, Tsao K. Hand-written report cards: a sustainable, self-reporting system to improve pediatric perioperative safety culture. Submitted to the *Joint Commission Journal on Quality and Patient Safety*.
 3. Caldwell K, Putnam L, Covey S, Diffley M, Hildebrandt A, Minzenmayer A, Anderson KT, **Kawaguchi A**, Lally K, Tsao K. Pardon the interruption: An observational study of OR interruptions. To be presented at the Academic Surgical Congress, Feb 2016. Manuscript to be submitted to the *Journal of Surgical Research*.
 4. **Kawaguchi A**, Pham D, Putnam L, Anderson KT. Systematic review of simulation training to improve teamwork and communication for pediatric health care providers. To be submitted to *Pediatrics*.

INVITED ARTICLES IN JOURNALS: N/A

CHAPTERS:

1. **Kawaguchi A**, Ryan D, Schnitzer J. Pediatric Trauma II in The Trauma Handbook of the Massachusetts General Hospital, Lippincot, Williams, and Wilkins, Philadelphia, 2004.
2. **Kawaguchi A**, Kim ES. Inguinal hernias and hydroceles in Atlas of Pediatric Surgical Techniques, Chung D (Ed), Elsevier Saunders, Philadelphia, 2010.

BOOKS: N/A

OTHER PROFESSIONAL COMMUNICATIONS:

NATIONAL AND INTERNATIONAL PRESENTATIONS:

1. National Patient Safety Foundation Poster Presentation, Hand-written report cards: a sustainable, self-reporting system to improve pediatric perioperative safety culture, May 2015

2. Hand-written report cards: a sustainable, self-reporting system to improve pediatric perioperative safety culture. American Association of Pediatrics Meeting, October 2015
3. Achieving Life Balance, American Association of Pediatrics Meeting, Surgical Fellows Career Workshop, October 2015
4. Quality Improvement and Patient Safety Research, American Pediatric Surgical Association Meeting, May 2018

INVITED SPEAKING ENGAGEMENTS:

1. Management of Intestinal Malrotation, USC Grand Rounds, May 2009
2. Management of Intestinal Malrotation, Providence Tarzana Regional Medical Center, Dec. 2009
3. Appendicitis in Children, USC Keck School of Medicine, 2010
4. Surgical emergencies in the NICU, Providence Tarzana Regional Medical Center, May 2011
5. Management of Appendicitis, USC Keck School of Medicine, 2011, 2012
6. How to give an effective scientific presentation, UTHSC Summer Research Program, July 2015
7. Achieving Life Balance, American Association of Pediatrics Meeting, Surgical Fellows Career Workshop, October 2015
8. How to give an effective scientific presentation, UTHSC Summer Research Program, July 2016
9. How to give an effective scientific presentation, UTHSC Summer Research Program, July 2017
10. Quality Improvement and Patient Safety Research, American Pediatric Surgical Association Meeting, May 2018
11. Management of Patients with Short Bowel Syndrome, The Woman's Hospital of Texas Neonatal Grand Rounds