

**Name:**

KuoJen Tsao, M.D.

**Present Title:**

Assistant Professor

**Business Address:**

University of Texas Health Science Center at Houston  
Department of Pediatric Surgery  
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**Undergraduate Education:**

1990-1994 University of Kansas, Lawrence, Kansas.  
**Bachelor of Arts, Biochemistry.**

**Graduate Education:**

1994-1998 University of Kansas School of Medicine, Kansas City, Kansas.  
**Doctorate of Medicine.**

2007-present University of Texas Medical School at Houston, Houston, Texas  
**Master's Science in Clinical Research**

**Postgraduate Training:**

1998-2005 University of Cincinnati College of Medicine, Cincinnati, Ohio.  
**Residency in General Surgery.**

2000-2002 University of California, San Francisco School of Medicine, San Francisco, California.  
**Fellowship in Fetal Medicine and Therapy.**

2005-2007 Children's Mercy Hospital of Kansas City, Kansas City, Missouri.  
**Fellowship in Pediatric Surgery.**

**Academic Appointments:**

Assistant Professor, Department of Pediatric Surgery, The University of Texas Health Science Center at Houston

Assistant Professor, Department of Surgery, The University of Texas Health Science Center at Houston

Assistant Professor, Department of Surgical Oncology, The University of Texas M.D. Anderson Cancer Center

Co-Director, The Texas Center for Maternal and Fetal Treatment, The University of Texas School of Medicine at Houston and Children's Memorial Hermann Hospital

Fellowship Director, Center for Surgical Trials and Evidence-based Practice (C-STEP), The University of Texas School of Medicine at Houston

Vice-Chair for Quality of Care, Department of Pediatric Surgery, The University of Texas School of Medicine at Houston

Associate Member of the Graduate Faculty, Graduate School of Biomedical Sciences, The University of Texas Health Science Center at Houston

**Hospital Appointments:**

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

**Licensure:**

Texas

**Certifications:**

American Board of Surgery – General Surgery  
American Board of Surgery – Pediatric Surgery

**Professional Organizations:**

**National:**

1994 American Medical Association  
1994 Kansas Medical Society  
1994 University of Kansas Alumni Association  
1998 University of Kansas School of Medicine Alumni Association  
1998 American College of Surgeons, Ohio Chapter  
1998 American College of Surgeons  
2004 International Pediatric Endosurgery Group  
2004 Society of American Gastrointestinal Endoscopic Surgeons  
2006 American Academy of Pediatrics, Surgery Section  
2006 American Pediatric Surgical Association  
2007 Association of Academic Surgeons  
2010 American Academy of Pediatrics, Fellow  
2010 Surgical Outcomes Club  
2011 International Fetal Medicine and Surgery Society  
2011 Society of University Surgeons  
2011 Society of Asian Academic Surgeons

**Honor and Awards:**

1990-1994 Howard Hughes Scholar, University of Kansas  
1990-1994 Merit Scholar, University of Kansas  
1990-1994 University Honors Program, University of Kansas  
2004 Alpha Omega Alpha, University of Cincinnati School of Medicine  
2005 Arnold P. Gold Foundation Award for Humanism and Excellence in Teaching  
University of Cincinnati, School of Medicine, 2005  
2008-2009 Dean's Teaching Excellence Award, University of Texas School of Medicine at Houston  
2009-2010 Dean's Teaching Excellence Award, University of Texas School of Medicine at Houston  
2010-2011 Dean's Teaching Excellence Award, University of Texas School of Medicine at Houston

**Editorial Positions:**

Reviewer – Journal of Perinatology  
Reviewer – Scandinavian Journal of Surgery  
Reviewer – Pediatrics  
Reviewer – British Medical Journal

Reviewer – Journal of Laparoendoscopic & Advanced Surgical Techniques

Reviewer – Journal of Pediatric Surgery

Reviewer – Journal of Surgical Research

**Service on the University of Texas Medical School at Houston Committees:**

2007 Education Advisory Committee, Department of Surgery  
2007 Compliance Committee, Department of Pediatric Surgery  
2009 Faculty Senate Representative

**Service on UTMSH Affiliated Hospital Committees:**

2007 OR Subcommittee, Children's Memorial Hermann Hospital  
2007 Pediatric Trauma Committee, Children's Memorial Hermann Hospital  
2011 Collaborative Quality and Safety Committee, Children's Memorial Hermann Hospital

**Service to National Organizations:**

2008 Fetal Diagnosis and Treatment Committee, American Pediatric Surgical Association  
2010 Institutional Representative, Association of Academic Surgeons  
2011 Publications Committee, Association of Academic Surgeons

**Sponsorship of Undergraduate Students:**

2011 Kaitlin A. Doody, Summer Research Program, Rice University, Houston, Texas

**Sponsorship of Medical Students:**

2008 Andrew Jackson, Summer Research Program, University of Texas Medical School at Houston  
2009 Ricardo Juarez, Summer Research Program, University of Texas Medical School at Houston  
2009 Clinton Fuller, Summer Research Program, University of Texas Medical School at Houston  
2010 Samuel Carson, Summer Research Program, University of Texas Medical School at Houston  
2011 Russell B. Hawkins, Summer Research Program, University of Texas Medical School at Houston  
2011 Casey E. Senter, Summer Research Program, University of Texas Medical School at Houston  
2011 Hannah S. Smith, Summer Research Program, University of Texas Medical School at Houston  
2011 Jane Y. Zhao, Summer Research Program, University of Texas Medical School at Houston

**Sponsorship of Surgical Residents:**

2008 Shanil Shah MD, Department of Surgery, University of Texas Medical School at Houston  
2008 Nathan D. Allison MD, Department of Surgery, University of Texas Medical School at Houston  
2009 John Horton MD, Department of Surgery, William Beaumont Army Medical Center, El Paso, TX  
2010 Phillip Letourneau, Department of Surgery, University of Texas Medical School at Houston

**Sponsorship for Postdoctoral Fellows:**

2011 Shauna M. Levy, Department of Surgery, University of Texas Medical School at Houston  
2011 Uma R. Phatak, Department of Surgery, University of Texas Medical School at Houston

**Current Teaching Responsibilities:**

Lecturer – Genetic Counseling, The University of Texas Graduate School of Biomedical Sciences  
Lecturer – Developmental Anatomy, The University of Texas Medical School at Houston  
Lecturer – Pediatric Surgery, The University of Texas Medical School at Houston

**Current Grant Support:**

07/2008-present National Institutes Health K12 Mentored Clinical Scientist Development Program Award. (5 KL2 RR 024149); \$360,000; Principal investigator; 50% Neonatal gastroesophageal reflux disease and anti-reflux surgery, \$120,000/year, thru June 2011  
12/2009-present University of Texas Academy of Health Science Education Small Grants. \$5000; Co-Investigator

### **Previous Grant Support:**

07/2000-06/2002 National Institutes of Health T32 GI Training Grant in Gastrointestinal Research. (DK07573), Fellow

### **Current Sponsored Grant Support:**

2011 National Institutes of Health NIDDK Medical Student Summer Research Program. Intraoperative staging of pediatric appendicitis. \$4000, Russell B. Hawkins, MS-1.

### **Current Funded Clinical Research:**

2011 Bristol-Myers Squibb Research and Development. Pilot Study for Standardization of Diagnostic Techniques for Central Venous Catheters-Venous Thromboembolism Study. Co-Investigator.

2011 Bayer. A randomized, double-blind, multicenter trial to evaluate the safety and efficacy of sequential intravenous, oral moxifloxacin versus comparator in pediatric subjects with complicated intra-abdominal infection. Principal Investigator.

### **Publications:**

#### **Abstracts:**

1. **Tsao K**, Hirose S, Sydorak R, Sandberg PL, Filly RA, Albanese CT, Harrison MR, Farmer DL. Selective Reduction of Acardiac/Acephalic Twin by Radiofrequency Ablation. Proceedings for Society of Maternal-Fetal Medicine, Reno, NV; January 2001
2. Sydorak RM, Hirose S, **Tsao K**, Sandberg P, Filly RA, Harrison MR, Farmer DL, Albanese C. Chorioamniotic membrane separation following fetal surgery. Proceedings for Society of Maternal-Fetal Medicine Reno, NV; January 2001
3. Albanese CT, Sydorak R, Lee H, Feldstein V, Machin G, **Tsao K**, Farmer DL, Harrison MR. Complications of Monochorionic Twinning: Spectrum of Disorders and Treatment. Proceedings for International Pediatric Endosurgery Group. Brisbane, Australia; March 2001
4. **Tsao K**, Rosenthal P, Danzer E, Sydorak R, Hirose S, Farmer DL, Albanese CT, Harrison MR, Lee H. Comparison of Drainage Techniques for Biliary Atresia. Pacific Association of Pediatric Surgeons La Jolla, CA; May 2002
5. **Tsao K**, Hawgood S, Dhawan K, Hirose S, Sydorak R, Albanese CT, Farmer DL, Harrison MR, Lee H. Resolution of Hydrops Fetalis in Congenital Cystic Adenomatoid Malformation after Prenatal Steroid Therapy. American Pediatric Surgical Association Phoenix, AZ; May 2002
6. Hirose S, Sydorak R, **Tsao K**, Cauldwell C, Rosen M, Albanese CT, Lee H, Farmer DL. Spectrum of Intrapartum Management Strategies for Giant Fetal Cervical Teratoma. American Pediatric Surgical Association Phoenix, AZ; May 2002
7. **Tsao K**, Lee H. Extrapleural Thoracoscopic Repair of Esophageal Atresia with Tracheo-Esophageal Fistula. American Pediatric Surgery Association Phoenix, Arizona; May 2002
8. Sydorak R, **Tsao K**, Hirose S, Farrell RA, Filly RA, Albanese CT, Harrison MR. Congenital Diaphragmatic Hernia and Hydrops: A lethal association? Pacific Association of Pediatric Surgeons, La Jolla, CA; May 2002
9. Sydorak R, Hirose S, **Tsao K**, Lee H, Farmer DL, Harrison MR, Albanese CT. Bioprosthetic repair of congenital diaphragmatic hernia with small intestine submucosa. Pacific Association of Pediatric Surgeons La Jolla, CA; May, 2002
10. Albanese CT, **Tsao K**, Sydorak R, Lee H. Thoracoscopic Lobectomy for Prenatally Diagnosed Lung Lesion. International Pediatric Endosurgical Group, May 2002
11. Sydorak RM, Sbragia, L, Nijagel A, Hirose S, **Tsao K**, Phibbs R, Harrison MR, Albanese CT. Gastroschisis: Small Hole, Big Cost. Pacific Association of Pediatric Surgeons, LaJolla, CA; May 2002
12. Hirose S, Sydorak R, **Tsao K**, Lee H, Albanese CT, Bratton B, Harrison MR, Farmer DL. Thoracoscopic Resection of Foregut Duplication Cysts. Pacific Association of Pediatric Surgeons, LaJolla, CA; May 2002

13. Hirose S, **Tsao K**, Sydorak R, Lee H, Albanese CT, Bratton B, Harrison MR, Farmer DL. Traction Elongation for Vaginal Atresia: Initial experience with a novel technique. Pacific Association of Pediatric Surgeons, LaJolla, CA; May 2002
14. Sydorak RM, Feldstein V, Tsao K, Hirose S, Lee H, Farmer DL, Harrison MR, Albanese CT. The Threat of an Anomalous Twin. Pacific Association of Pediatric Surgeons, LaJolla, CA; May 2002
15. **Tsao K**, Vu L, Lee H, Albanese CT, Farmer DL, Harrison ML, Lee H, Goldstein RB. Characteristics of Congenital Cystic Adenomatoid Malformations Associated with Non-immune hydrops and Outcome. American Academy of Pediatrics, Boston, MA; October, 2002
16. **Tsao K**, Boudreau N, Lee H. Increased Expression of Angiogenesis-related Homeobox Genes during liver regeneration. American Academy of Pediatrics, Boston, MA; October, 2002.
17. Lee H, **Tsao K**, Hirose S, Albanese CT. Initial Experience with Extrapleural and Transpleural Thoracoscopic Repair of Esophageal Atresia and Tracheo-Esophageal Atresia. American Pediatric Surgical Association, Fr. Lauderdale, FL; May 2003
18. **Tsao K**, Wei B, Goldstein RB, Farmer DL, Albanese CT, Harrison MR, Lee H. Fetal intervention may benefit fetuses with severe right-sided congenital diaphragmatic hernia. Pacific Association of Pediatric Surgery, Sidney, Australia; May 2003
19. **Tsao K**, Valusek PA, St. Peter SD, Sharp RJ, Andrews WS, Snyder CL, Ostlie DJ, Holcomb GW III. A Comparison of Chest Tubes versus Bulb Suction Drains in Pediatric Thoracic Surgery. Canadian Association of Pediatric Surgeons. Calgary; September 2006.
20. **Tsao K**, St. Peter SD, Valusek TA, Keckler SJ, Sharp SW, Holcomb III GW, Snyder CL, Ostlie DJ. Adhesive Small Bowel Obstruction after Appendectomy in Children: Comparison between the Laparoscopic and Open Approach. American Academy of Pediatrics. Atlanta, GA; October 2006.
21. Valusek PA, St. Peter SD, **Tsao K**, Spilde TL, Ostlie DJ, Andrews WS, Sharp RJ, Snyder CL, Holcomb GW III. The Use of Fundoplication as Prevention of Apparent Life-Threatening Events. American Academy of Pediatrics Atlanta, GA; October 2006
22. St. Peter SL, Valusek PA, **Tsao K**, Holcomb GW III, Ostlie DJ, Snyder CL. Abdominal Complications related to type of repair for Congenital Diaphragmatic Hernia. Academic Surgical Congress Phoenix, AZ, February 2007.
23. **Tsao K**, Keckler SJ, Nair A, St. Peter SD, Ostlie DJ, Holcomb GW III. Thoracoscopy for Malignancy in Children. Society of American Gastrointestinal and Endoscopic Surgeons. Las Vegas, NV, April 2007.
24. **Tsao K**, Holcomb GW III Laparoscopic Resection of Splenic Cyst. American Pediatric Surgical Association, (*Submitted*)
25. Ho B, Keckler SJ, Spilde TL, **Tsao K**, Ostlie DJ, Holcomb GW III, St. Peter SD. Chest Radiograph following central line placement under fluoroscopy: Utility or Futility? Canadian Association of Pediatric Surgeons St. John's, New Foundland, August 2007.
26. **Tsao K.**, St. Peter, S.D., Nair, A., Ostlie D.J., Holcomb III, G.W., Thoracoscopy in Infants and Children. International Pediatric Endosurgery Group, Buenos Aires, Argentina, September, 2007.
27. Spilde TL, Keckler SJ, St. Peter SD, **Tsao K**, Holcomb III GW, Ostlie DJ. A Comparison of Open and Laparoscopic U-clip Repair of Congenital Anomalies of the Duodenum. American Academy of Pediatrics. San Francisco, CA, October 2007.
28. **Tsao K**, St. Peter SD, Holcomb GW III, Sharp SW, Spilde TL, Murphy JP, Snyder CL, Ostlie DL. Post-Operative Antibiotic Regimen for Perforated Appendicitis in Children: A Prospective Randomized Trial. American Academy of Pediatrics San Francisco, CA, October 2007.
29. Keckler SJ, **Tsao K**, Sharp SW, Ostlie DJ, Holcomb III GW, St. Peter SD. Resource Utilization and Outcomes from percutaneous drainage and interval appendectomy for perforated appendicitis with abscess. American Academy of Pediatrics. San Francisco, CA, October 2007.
30. **Tsao K**, Holcomb GW. Laparoscopic gastrostomy. American College of Surgeons. Surgical Forum, New Orleans, LA; October 2007.
31. Ostlie DJ, **Tsao K**, Holcomb GW. Laparoscopic Thal Fundoplication. American College of Surgeons. Surgical Forum, New Orleans, LA; October 2007.
32. St. Peter SD, **Tsao K**, Sharp SW, Holcomb III GW, Ostlie DJ. Predictors of emesis and time to goal intake after pyloromyotomy: Analysis of a Prospective Randomized Trial. Academic Surgical Congress Huntington Beach, CA, February 2008.

33. **Tsao K**, St. Peter SD, Valusek PA, Spilde TL, Keckler SJ, Nair A, Ostlie DJ, Holcomb GW III. Management of Acute Appendicitis in the CT Era. Academic Surgical Congress Huntington Beach, CA, February 2008.
34. St. Peter SD, **Tsao K**, Sharp SW, Holcomb III GW, Ostlie DJ. Blood utilization in children with blunt solid organ injury. Academic Surgical Congress Huntington Beach, CA, February 2008.
35. **Tsao K**, Holcomb GW. Modification of the Nuss procedure with a small sub-xyphoid incision. American Pediatric Surgical Association, Phoenix, AZ; May 2008.
36. St. Peter SD, **Tsao K**, Spilde TL, Sharp SW, Harrison C, Jackson MA, Keckler SJ, Andrews WA, Holcomb GW III, Ostlie DJ. Thoracoscopic Decortication versus Tube Thoracostomy with Fibrinolysis for Empyema in Children: A Prospective, Randomized Trial. American Pediatric Surgical Association, Phoenix, AZ, May 2008.
37. St. Peter SD, Leys CM, **Tsao K**, Spilde TL, Sharp SW, Holcomb GW III, Holcomb GW III, Ostlie DJ. Physiologic Predictors of Post-operative Abscess in Children with Perforated Appendicitis: Analysis from a Prospective, Randomized Trial. American Pediatric Surgical Association, Phoenix, AZ; May 2008.
38. Ponsky TA, Rothenberg SS, **Tsao K**, Ostlie DJ, St. Peter SD, Holcomb GW III. Thoracoscopy in Children: Is a chest tube always necessary? International Pediatric Endosurgery Group, Cannes, France, June 2008.
39. Yoder S, Rothenberg SS, **Tsao K**, Wulkan ML, Ponsky TA, St. Peter SD, Ostlie DJ, Kane TD. Laparoscopic Treatment of Pancreatic Pseudocyst in Children. International Pediatric Endosurgery Group, Cannes, France, June 2008.
40. Horton JD, Cox CS, Hayes-Jordan AA, Lally KP, Andrassy RA, **Tsao K**. Computed Tomographic Angiography in Pediatric Trauma. Academic Surgical Congress, San Antonio, TX; February 2010.
41. **Tsao K**, Fuller CL, Green HL, Jacquez RA, Jackson AA, Hayes-Jordan AA, Lally KP. Risk Factors and Treatment of Port Thrombosis in Pediatric Oncology Patients. Academic Surgical Congress, San Antonio, TX; February 2010.
42. Harvin JA, Van Buren G, **Tsao K**, Cen P, Ko TC, Wray CJ. Hepatocellular Carcinoma Survival in Un- and Underinsured Patients. Academic Surgical Congress, San Antonio, TX; February 2010.
43. **Tsao K**, Allison ND, Harting MT, Lally PA, Lally KP. Congenital Diaphragmatic Hernia in Preterm Infants: A Report from the Congenital Diaphragmatic Hernia Group. Academic Surgical Congress, San Antonio, TX; February 2010.
44. **Tsao K**, Green HL, Fuller CL, Jacquez RA, Jackson AA, Andrassy RJ, Hayes-Jordan AA, Lally KP. Risk Factors and Treatment of Port Thrombosis in Pediatric Oncology Patients. South Texas American College of Surgeons. Austin, TX; February 2010.
45. **Tsao K**, Fuller CL, Green HL, Vazquez RA, Jackson AA, Cox CS, Andrassy RJ, Hayes-Jordan AA, Lally KP. Complications of implanted central venous access devices in pediatric cancer patients – An under-appreciated high risk procedure. Pacific Association of Pediatric Surgeons, Kobe, Japan; May 2010
46. Carson SW, Letourneau PA, Koenig MK, **Tsao K**. Underestimated Gastrointestinal Dysmotility in Pediatric Mitochondrial Disease Patients. Academic Surgical Congress. Huntington Beach CA; February 2011.
47. Letourneau PA, Carson SW, Lally KP, Moore-Olufemi SD, Andrassy RJ, Cox CS, Hayes-Jordan AA, **Tsao K**. Gangrenous Appendicitis: Are we overtreating? Academic Surgical Congress. Huntington Beach CA; February 2011.
48. Letourneau PA, Carson SW, Lally KP, Andrassy RJ, Cox CS, Hayes-Jordan AA, Moore-Olufemi S, **Tsao K**. Analysis of non-emergent appendectomy with conservative utilization of antibiotics for children with acute appendicitis. South Texas Chapter American College of Surgeons. Houston TX; February 2011.
49. Letourneau PA, Carson SW, Lally KP, Moore-Olufemi SD, Andrassy RJ, Cox CS, Hayes-Jordan AA, **Tsao K**. Gangrenous Appendicitis: Are we overtreating? South Texas Chapter American College of Surgeons. Houston TX; February 2011.
50. Blakely, ML, Kao L, Seetharamaiah R, **Tsao K**, Huang EY, Lally KP. A Critical Appraisal of Published Randomized Trials within Pediatric General Surgery during the time period 2000-2009. American Pediatric Surgical Association. Palm Desert, CA; May 2011.

## Refereed Original Articles in Journals:

1. **Tsao K**, Wilkinson S, Overman J, Kieltyka J, Tollefson T, Koller W, Pawha R, Troster A, Lyons K, Batznitzky S, Wetzel L, Gordon M. Comparison of Actual Pallidotomy Lesion Location with Expected Lesion Location. *Journal of Stereotactic and Functional Neurosurgery*, 1998, Vol 71, No 1; pp 1-19
2. **Tsao K**, Wilkinson S, Overman J, Koller W, Batznitzky S, Gordon M. Pallidotomy Lesion Locations: Significance of Microelectrode Refinement. *Neurosurgery*, September 1998. Vol 43-3; p503.
3. Sydorak RM, Hirose S, **Tsao K**, Sandberg P, Filly RA, Harrison MR, Farmer DL, Albanese C. Chorioamniotic membrane separation following fetal surgery. *Proceedings of the International Fetal Medicine and Surgical Society*, August 2000.
4. Sydorak RM, **Tsao K**, Hirose S, Chen Y-Y, Weintraub P, Sandberg PL, Filly RA, Harrison MR, Farmer DL, Albanese C. C. Coccidioides immitus in the gallbladder and biliary tree. *Journal of Pediatric Surgery*, 36(7), 1054-1057, 2001.
5. Albanese CT, Sydorak R, Lee H, Feldstein V, Machin G, **Tsao K**, Farmer DL, Harrison MR. Complications of Monozygotic Twinning: Spectrum of Disorders and Treatment. *Pediatric Endosurgery and Innovative Techniques*, Spring 2001 V5 (1); 64.
6. **Tsao K**, Hirose S, Sandberg PL, Filly RA, Albanese CT, Harrison MR, Farmer DL. Selective Reduction of Acardiac Twin by Radiofrequency Ablation. *American Journal of Obstetrics and Gynecology*, 187(3Pt1):635-40, 2002.
7. **Tsao K**, Hirose S, Sydorak R, Goldstein RB, Machin GA, Norton M, Albanese CT, Farmer DL. Fetal Therapy of Giant Hepatic Cyst. *Journal of Pediatric Surgery*; 37(10):E31-5, 2002.
8. **Tsao K**, Chuang NA, Filly RA, Filly RA, Barvovich J, Goldstein RB. Entrapped Fourth Ventricle: Another Pitfall in the Prenatal Diagnosis of Dandy-Walker Malformations. *Journal of Ultrasound in Medicine*, Vol. 21, p91-96, 2002.
9. Sydorak RM, Goldstein RB, Hirose S, **Tsao K**, Farmer DL, Lee H, Harrison MR, Albanese CT. Congenital Diaphragmatic Hernia and hydrops: A lethal association? *Journal of Pediatric Surgery*, 37(12):1678-1680, 2002.
10. Sydorak RM, Nijagal A, Sbragia L, Hirose S, **Tsao K**, Phibbs RH, Schmitt SK, Lee H, Farmer DL, Harrison MR, Albanese CT. Gastroschisis: Small Hole, Big Cost. *Journal of Pediatric Surgery*, 37(12):1669-1672, 2002.
11. Sydorak RM, Fieldstone V, Marching G, **Tsao K**, Hirose S, Lee H, Farmer DL, Harrison MR, Albanese CT. Fetoscopic treatment for discordant twins. *Journal of Pediatric Surgery*, Dec: 37 (12): 1736-9, 2002.
12. **Tsao K**, Lee H, Dhawan K, Danzer E, Sydorak R, Hirose S, Chiba T, Acosta A, Farmer DL, Albanese CT, Harrison MR. Comparison of drainage techniques for biliary atresia. *Journal of Pediatric Surgery*, July 38(7), 1005-7, 2003.
13. Albanese CT, Sydorak RM, **Tsao K**, Lee H. Thoracoscopic Resection of Prenatally Diagnosed Lung Lesions. *Journal of Pediatric Surgery*, Apr 38(4), 553-5, 2003.
14. Hirose S, Sydorak RM, **Tsao K**, Cauldwell CB, Newman KD, Mychaliska GB, Albanese CT, Lee H, Farmer DL. Spectrum of Intrapartum Management Strategies for Giant Fetal Cervical Teratoma. *Journal of Pediatric Surgery*, Mar 38(3), 508-10, 2003.
15. **Tsao K**, Hawgood S, Dhawan K, Hirose S, Sydorak R, Albanese CT, Farmer DL, Harrison MR, Lee H. Resolution of Hydrops Fetalis in Congenital Cystic Adenomatoid Malformation after Prenatal Steroid Therapy. *Journal of Pediatric Surgery*, Mar 38(3), 508-10, 2003.
16. **Tsao K**, Wei B, Ball R, Farmer DL, Nobuhara K, Harrison MR, Lee H. Fetal intervention may benefit fetuses with severe right-sided CDH. *American Journal of Obstetrics and Gynecology*, 189 (6), supp S1: S214, 2003.
17. **Tsao K**, Lee H. Extrapleural Thoracoscopic Repair of Esophageal Atresia with Tracheo-Esophageal Fistula. *Pediatric Surgery International*, Apr 21(4):308-10, 2005.
18. Garg NT, St. Peter SD, **Tsao K**, Holcomb III GW. Minimally Invasive Management of Penetrating Thoracoabdominal Trauma in a Child. *Journal of Trauma*. Jul; 61(1):211-2, 2006.
19. Vu L, **Tsao K**, Lee H, Albanese CT, Farmer DL, Harrison ML, Lee H, Goldstein RB. Characteristics of Congenital Cystic Adenomatoid Malformations Associated with Non-immune hydrops and Outcome. *Journal of Pediatric Surgery*, Aug; 42(8):1351-6, 2007.

20. Valusek PA, **Tsao K**, St. Peter SD, Sharp RJ, Andrews WS, Snyder CL, Ostlie DJ, Holcomb III GW. A Comparison of Chest Tubes versus Bulb Suction Drains in Pediatric Thoracic Surgery. *Journal of Pediatric Surgery*, 42(5):812-4; May 2007.
21. Valusek PA, Spilde TL, **Tsao K**, St. Peter SD, Holcomb GW III, Ostlie DJ. Laparoscopic Duodenal Atresia Repair using surgical U-clips: A Novel Technique. *Surgical Endoscopy*, Vol 21 (6); 1023-24; June 2007.
22. Valusek PA, St. Peter SD, **Tsao K**, Spilde TL, Ostlie DJ, Andrews WS, Sharp RJ, Snyder CL, Holcomb GW III. The Use of Fundoplication as Prevention of Apparent Life-Threatening Events. *Journal of Pediatric Surgery*, Vol 42(6): 1022-25; June 2007.
23. **Tsao K**, St. Peter SD, Valusek TA, Keckler SJ, Sharp SW, Holcomb III GW, Snyder CL, Ostlie DJ. Adhesive Small Bowel Obstruction after Appendectomy in Children: Comparison between the Laparoscopic and Open Approach. *Journal of Pediatric Surgery*, Vol 42(6):939-42; June 2007.
24. Keckler SJ, St. Peter SD, Valusek PA, **Tsao K**, Snyder CL, Holcomb GW III, Ostlie DJ. VACTERL Anomalies in Patients with Esophageal Atresia: An Updated Delineation of the Spectrum and Review of the Literature. *Pediatric Surgery International*, Apr; 23(4):309-313. Epub 2007.
25. Nair A, St. Peter SD, **Tsao K**, Ostlie DJ, Holcomb GW III. Thoracoscopy for Malignancy in Children. *Surgical Endoscopy*, Vol 21, Supp 1: S476, 2007.
26. St. Peter SD, Valusek, TV, **Tsao K**, Holcomb III GW, Ostlie DJ, Snyder CL. Abdominal Complications Related to Type of Repair for Congenital Diaphragmatic Hernia. *Journal of Surgical Research*. Vol 140(2):234-236, Jun 15, 2007.
27. Upadhyaya P, Spilde TL, Keckler SJ, **Tsao K**, Ostlie DJ. Anorectal Hamartoma in a Neonate: A case report of a unique anorectal mass. *Journal of Pediatric Surgery*, 42(9):e31-e33; Sept, 2007.
28. St. Peter SD, Sharp RJ, Upadhyaya P, **Tsao K**, Ostlie DJ, Holcomb III GW, A Straightforward Technique for Removal of the Substernal Bar Following the Nuss Operation. *Journal of Pediatric Surgery* 42(10): 1789-91; Oct 2007.
29. Keckler SJ, Spilde TL, St. Peter SD, **Tsao K**, Ostlie DJ. Treatment of Bronchopleural fistula with Small Intestinal Mucosa and Fibrant Sealant. *Annals of Thoracic Surgery* 84(4):1383-6, Oct. 2007.
30. St. Peter SD, **Tsao K**, Whittaker CL, Schow AJ, Grist G. Emergent Cardiopulmonary Support Circuit to Allow Tracheo-Bronchial Foreign Body Removal. *Progress in Pediatric Cardiology* Vol 24: 127-129; 2008).
31. **Tsao K**, St. Peter SD, Sharp SW, Nair A, Ostlie DJ, Holcomb III GW. Current Application of Thoracoscopy in Children. *Laparoendoscopic and Advanced Surgical Techniques*, 18(1):131-5; Feb 2008.
32. St. Peter SD, **Tsao K**, Holcomb III GW, Sharp SW, Spilde TL, Murphy JP, Snyder CL, Ostlie DL. Single day dosing of Ceftriaxone and Metronidazole versus Standard triple antibiotic regimen for Perforated Appendicitis in Children: A Prospective Randomized Trial. *Journal of Pediatric Surgery*. June 43(6): 981-85; 2008.
33. Keckler SJ, **Tsao K**, Sharp SW, Ostlie DJ, Holcomb III GW, St. Peter SD. Resource Utilization and Outcomes from percutaneous drainage and interval appendectomy for perforated appendicitis with abscess. *Journal of Pediatric Surgery*. June 43(6): 977-80; 2008.
34. **Tsao K**, St. Peter SD, Valusek PA, Spilde TL, Keckler SJ, Nair A, Ostlie DJ, Holcomb III GW. Management of Pediatric Acute Appendicitis in the CT Era. *Journal of Surgical Research*, Jun 15; 147(2):221-4. Epub 2008 Apr 8.
35. St. Peter SD, **Tsao K**, Sharp SW, Holcomb III GW, Ostlie DJ. Blood utilization in children with blunt solid organ injury. *Journal of Surgical Research*. April 9, Epub, 2008.
36. Keckler SJ, St Peter SD, Spilde TL, **Tsao K**, Ostlie DJ, Holcomb GW 3rd, Snyder CL. Current significance of meconium plug syndrome. *J Pediatr Surg*. 2008 May; 43(5):896-8.
37. Keckler SJ, Spilde TL, Ho B, **Tsao K**, Ostlie DJ, Holcomb GW 3rd, St Peter SD. Chest radiograph after central line placement under fluoroscopy: utility or futility? *J Pediatr Surg*. 2008 May; 43(5):854-6.
38. Keckler SJ, **Tsao K**, Sharp SW, Holcomb GW 3rd, Ostle DJ, St Peter SD. Blood utilization in children managed non-operatively for blunt solid organ injury. *J Surg Res*. 147(2):237-9; Jun 15, 2008.

39. Markis KI, St. Peter SD, **Tsao K**, Ostlie DJ. Laparoscopic Intra gastric Stapled Gastrocystostomy of Pancreatic Pseudocyst in a Child. *Laparoendoscopic and Advanced Surgical Techniques*, 18(5): 771-773, Sept. 2008.
40. St. Peter SD, **Tsao K**, Sharp SW, Holcomb III GW, Ostlie DJ. Predictors of emesis and time to goal intake after pyloromyotomy: Analysis of a Prospective Randomized Trial. *J Pediatr Surg*. 43(11):2038-41; Nov 2008.
41. St. Peter SD, **Tsao K**, Spilde TL, Sharp SW, Harrison C, Jackson MA, Keckler SJ, Andrews WA, Holcomb GW III, Ostlie DJ. Thoracoscopic Decortication versus Tube Thoracostomy with Fibrinolysis for Empyema in Children: A Prospective, Randomized Trial. *J Pediatr Surg*. 2009 Jan; 44(1):106-11; discussion 111.
42. Yoder S, Rothenberg S, **Tsao K**, Ponsky T, St. Peter SD, Ostlie DJ, Kane T. Laparoscopic Treatment of Pancreatic Pseudocyst in Children. *Journal of Laparoendoscopic and Advanced Surgical Techniques*. 2009 Apr; 19 Suppl: S37-40.
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#### Invited Articles in Journals:

1. **Tsao K**, Lee H. Postnatal Minimal Access Surgery for Birth Defects. *Pediatric Endosurgery & Innovative Techniques*, Vol. 6, No. 2: 131-141, Jun 2002.
2. **Tsao K**, Albanese CT. Prenatal Therapy for Obstructive Uropathy. *World Journal of Surgery*, Jan 27 (1): 62-7, 2003.
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4. **Tsao K**, Lally KP. The Congenital Diaphragmatic Hernia Group: An International Registry. *Seminars in Pediatric Surgery*, May, 17(2):90-97; 2008.
5. Shah S, Allison ND, **Tsao K**. Evaluation of acute abdominal pain in children. *BMJ Best Practice* 2009; www.bestpractice.bmj.com.
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#### Chapters:

1. **Tsao K**. Inflammatory Bowel Disease. *The Mont Reid Surgical Handbook*, 5<sup>th</sup> edition; Fischer DR and Kelly BS (eds); Mosby Publishing Inc., Philadelphia, PA
2. **Tsao K**, Lally KP. Congenital Diaphragmatic Hernia and Eventration. *Pediatric Surgery*, 5<sup>th</sup> Edition; Holcomb GW and Murphy JP (eds); Elsevier Publishing, Philadelphia, PA.

#### Other Professional Communications:

##### Presentations:

1. Complications of Monochorionic Twinning: Spectrum of Disorders and Treatment. International Pediatric Endosurgical Group, Brisbane, Australia; March 2001.
2. Selective Reduction of Acardiac/Acephalic Twin by Radiofrequency Ablation. International Society for Twin Studies, 10<sup>th</sup> International Congress on Twin Studies, Imperial College, London; July 2001.
3. Liver Regeneration: Angiogenesis and Homeobox genes. Stanford University Surgical Research Seminar, Palo Alto, CA; February 2002.
4. Increased Expression of Angiogenesis genes during Liver Regeneration. University of California, San Francisco Department of Surgery, Resident Research Day San Francisco, CA; March 2002.
5. Selective Reduction of Acardiac Twin by Radiofrequency Ablation. Kaiser Permanente San Francisco Prenatal Seminar, San Francisco, CA; February 2002.
6. Extrapleural Thoracoscopic Repair of Esophageal Atresia with Tracheo-Esophageal Fistula. American Pediatric Surgical Association, Phoenix, AZ; May 2002.
7. Long term follow-up after portoenterostomy for Biliary Atresia. Pacific Association of Pediatric Surgery, San Diego, CA; May 2002.
8. VEGF promotes the Expression of Pro-angiogenic Hox D3 in cultured sinusoidal endothelial cells. Society of University Surgeons, Houston, TX; February 2003.
9. Liver Regeneration: Angiogenesis and Homeobox genes. Kempczinski Vascular Research Symposium, University of Cincinnati, Cincinnati, OH; February 2003.
10. Congenital Diaphragmatic Hernia: An evolution in Fetal Therapy. General Surgery Grand Rounds Department of Surgery, University of Cincinnati, Cincinnati, OH; November 2004.
11. Colon Cancer and You: Screening and Treatment. West Chester Chamber of Commerce, West Chester, OH; December 2004.
12. Prospective Randomized Trials in Pediatric Surgery. Kansas City Surgical Society, Kansas City, MO; January 2006.
13. Adhesive Small Bowel Obstruction after Appendectomy in Children: Comparison between the Laparoscopic and Open Approach. American Academy of Pediatrics. Atlanta, GA; October 2006.
14. Thoracoscopy for Malignancy in Children. Society of American Gastrointestinal and Endoscopic Surgeons. Las Vegas, NV; April 2007.
15. Laparoscopic Esophagomyotomy with Anterior Fundoplication. American Pediatric Surgical Association. Orlando, Florida; May 2007.
16. Once-a-day Dosing of Ceftriaxone and Metronidazole versus Standard Triple Antibiotic Regimen for Perforated Appendicitis in Children: *A Prospective Randomized Trial*. Kansas City Surgical Society. Kansas City, MO; May 2007.
17. Laparoscopic Gastrostomy. American College of Surgeons Surgical Forum. Video session. New Orleans, LA; October 2007.
18. Laparoscopic Thal Fundoplication. American College of Surgeons Surgical Forum. Video session. New Orleans, LA; October 2007.
19. Fetal Therapy for Congenital Diaphragmatic Hernia: Lessons Learned. Children's Mercy Hospital Grand Rounds. Kansas City, MO; June 2007.
20. Utilization of Thoracoscopy in Infants and Children. International Pediatric Endosurgical Group. Buenos Aires, Argentina; September 2007.

21. Post-operative Antibiotic Regimen for Perforated Appendicitis in Children: A Prospective Randomized Trial. American Academy of Pediatrics. San Francisco, CA; October 2007.
22. Management of Pediatric Appendicitis in the CT Era. Academic Surgical Congress. Huntington Beach, CA; February 2008.
23. Modification of the Nuss procedure with a small sub-xiphoid incision. American Pediatric Surgical Association. Phoenix, Arizona; May 2008.
24. Congenital Diaphragmatic Hernia in Preterm Infants: A Report from the Congenital Diaphragmatic Hernia Group. Academic Surgical Congress, San Antonio, TX; February 2010.
25. Complications of implanted central venous access devices in pediatric cancer patients – An under-appreciated high risk procedure. Pacific Association of Pediatric Surgeons, Kobe, Japan; May 2010.
26. Quality Improvement in Pediatric Appendicitis. Texas Surgical Collaborative. Houston, TX; July 2011

**Visiting Professorships:**

1. Current status of fetal surgery. Department of Pediatrics Grand Rounds, National Taiwan University School of Medicine. May 2010.
2. Pediatric Minimally Invasive Surgery: possible applications to veterinary medicine. National Taiwan University School of Veterinary Medicine. May 2010.