

CURRICULUM VITAE

The Johns Hopkins University School of Medicine

Charles J. Smithers, M.D.

May 31, 2023

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

University

3/19 – present Assistant Professor in Surgery, Johns Hopkins All Children's Hospital, St Petersburg, FL

Hospital

3/19 – present Staff Surgeon, Johns Hopkins All Children's Hospital, St. Petersburg, FL

3/19 – present Attending Surgeon, Tampa General Hospital, Tampa, FL

3/22 – present Staff Surgeon, Boston Children's Hospital, Boston, Massachusetts, MA

Personal Data

Division of Pediatric Surgery

Johns Hopkins All Children's Hospital

601 Fifth Street South

St. Petersburg, Florida 33701

Phone: 727-767-3433

Fax: 727-767-4346

E-mail: csmithe1@jhmi.edu

Education and Training

Undergraduate

9/89 – 12/92 B.S., Biology, Campus Wide Honors Program, University of California at Irvine, Irvine, CA

3/94 – 7/94 EMT, Emergency Medical Technician Certificate, Saddleback College, Mission Viejo, CA

Doctoral/graduate

9/95 – 6/99 M.D., Albany Medical College, Medicine, Summa Cum Laude, Albany, NY

Postdoctoral

7/99 – 6/00 Intern in General Surgery, Oregon Health and Science University, Portland, OR

7/00 – 6/02 Resident in General Surgery, Oregon Health and Science University, Portland, OR

7/02 – 6/04 Research Fellow in Vascular Anomalies (Steve Fishman, MD), Boston Children's Hospital, Boston, MA

6/03 – 8/04 Resident in General Surgery, Mount Auburn, Beth Israel Lahey Health, Cambridge, MA

7/04 – 6/05 Surgical Critical Care Fellow in Pediatric Surgery, Boston Children's Hospital, Boston, MA

7/05 – 6/07 Resident in General Surgery, Oregon Health and Science University, Portland, OR

7/07 – 6/08 Associate Chief Surgical Resident in Pediatric Surgery, Boston Children's Hospital, Boston, MA

7/08 – 6/09 Chief Surgical Resident in Pediatric Surgery, Boston Children's Hospital, Boston, MA

Professional Experience

6/09 – 2/20 Attending Surgeon, Boston Children's Hospital, Boston, MA

7/09 – 7/17 Instructor in Surgery, Harvard Medical School, Boston, MA

8/09 – 10/19 Affiliate Staff Division of Neonatology, Brigham and Women's Hospital, Boston, MA

10/09 – 10/19 Attending Surgeon, Boston Medical Center, Boston, MA

6/10 – 6/15 Attending Surgeon, Emerson Hospital, Concord, MA

3/11 – 2/19 Affiliate Staff Division of Neonatology, Beth Israel Deaconess Hospital, Boston, MA

7/17 – 3/19 Assistant Professor in Surgery, Harvard Medical School, Boston, MA

PUBLICATIONS

Original Research [OR]

1. **Smithers CJ**, Vogel AM, Kozakewich HP, Freedman DA, Udagawa T, Burrows PE, Fauza DO, Fishman SJ. Enhancement of intravascular sclerotherapy by tissue engineering: short term results. *J Pediatr Surg*. 2005;40(2):412-417. PMID: 15750939
2. Fishman SJ, **Smithers CJ**, Folkman J, Lund DP, Burrows PE, Mulliken JB, Fox VL. Blue rubber bleb nevus syndrome: surgical eradication of gastrointestinal bleeding. *Ann Surg*. 2005;241(3):523-528. PMID: 15729077
My contribution was data collection, analysis, manuscript writing, editing, journal submission, revisions.
3. **Smithers CJ**, Vogel AM, Kozakewich KP, Freedman DA, Burrows PE, Fauza DO, Fishman SJ. An injectable tissue-engineered embolus prevents luminal recanalization after vascular sclerotherapy. *J Pediatr Surg*. 2005;40(6):920-5. PMID: 15991171
4. Vogel AM, **Smithers CJ**, Kozakewich HP, Zurakowski D, Moses MA, Burrows PE, Fauza DO, Fishman SJ. Extracellular matrix dynamics associated with tissue-engineered intravascular sclerotherapy. *J Pediatr Surg*. 2006;41(4):757-62. PMID: 16567189
My contribution was assistance with cell culture, animal operations, animal postoperative care, data analysis, manuscript editing.
My contribution was primary operative assistant and manuscript editing.
5. Hughes CD, Nash KA, Alkire BC, McClain CD, Hagander LE, **Smithers CJ**, Raymonville M, Sullivan SR, Riviello R, Rogers SO, Meara JG. The impact of natural disaster on pediatric surgical delivery: a review of Haiti six months before and after the 2010 earthquake. *J Health Care Poor Underserved*. 2012;23(2):523-33. PMID: 22643604
My contribution was global health surgeon on team, data analysis, manuscript editing.
6. Jennings RW, Hamilton TE, **Smithers CJ**, Ngercham M, Feins N, Foker JE. Surgical approaches to aortopexy for severe tracheomalacia. *J Pediatr Surg*. 2014;49(1):66-70. PMID: 24439583
My contribution was operating surgeon, data collection and analysis, manuscript writing and editing.
7. Manfredi MA, Jennings RW, Anjum MW, Hamilton TE, **Smithers CJ**, Lightdale JR. Externally removable stents in the treatment of benign recalcitrant strictures and esophageal perforations in pediatric patients with esophageal atresia. *Gastrointest Endosc*. 2014;80(2):246-52. PMID: 24650853
My contribution was operating surgeon, data collection and analysis, manuscript editing.
8. Rice HE, Englum BR, Rothman J, Leonard S, Reiter A, Thornburg C, Brindle M, Wright N, Heeney MM, **Smithers C**, Brown RL, Kalfa T, Langer JC, Cada M, Oldham KT, Scott JP, St Peter S, Sharma M, Davidoff AM, Nottage K, Bernabe K, Wilson DB, Dutta S, Glader B, Crary SE, Dassinger MS, Dunbar L, Islam S, Kumar M, Rescorla F, Bruch S, Campbell A, Austin M, Sidonio R, Blakely M; Splenectomy in Congenital Hemolytic Anemia (SICHA) Consortium. Clinical outcomes of splenectomy in children: report of the splenectomy in congenital hemolytic anemia registry. *Am J Hematol*. 2015;90(3):187-92. PMID: 25382665
My contribution was study site leader and operating surgeon in Boston, data collection from Boston, manuscript editing.
9. Bairdain S, **Smithers CJ**, Hamilton TE, Zurakowski D, Rhein L, Foker JE, Baird C, Jennings RW. Direct tracheobronchopexy to correct airway collapse due to severe tracheobronchomalacia: Short term outcomes in a series of 20 patients. *J Pediatr Surg*. 2015;50(6):972-7. PMID: 25824437
My contribution was operating surgeon, data collection and analysis, manuscript editing.
10. Bairdain S, Hamilton TE, **Smithers CJ**, Manfredi M, Ngo P, Gallagher D, Zurakowski D, Foker JE, Jennings RW. Foker process for the correction of long gap esophageal atresia: Primary treatment versus secondary treatment after prior esophageal surgery. *J Pediatr Surg*. 2015;50(6):933-7. PMID: 25841281
My contribution was operating surgeon, data collection and analysis, manuscript editing.
11. Aarabi S, **Smithers C**, Fils ML, Godson JL, Pierre JH, Mukherjee J, Meara J, Farmer P. Global surgery fellowship: A model for surgical care and education in resource-poor countries. *J Pediatr Surg*. 2015;50(10):1772-5. PMID: 26165159
My contribution was global health surgeon, manuscript writing and editing.
12. Onwubiko C, Bairdain S, Murphy AJ, McSweeney ME, Perkins J, Rathod RH, Baird C, **Smithers CJ**. Laparoscopic gastrojejunostomy tube placement in infants with congenital cardiac disease. *J Laparoendosc Adv Surg Tech A*. 2015;25(12):1047-50. PMID: 26402465
13. Bairdain S, Foker JE, **Smithers CJ**, Hamilton TE, Labow BI, Baird CW, Taghinia AH, Feins N, Manfredi M, Jennings RW. Jejunal interposition after failed esophageal atresia repair. *J Am Coll Surg*. 2016 Jun;222(6):1001-8. PMID: 26774491
My contribution was operating surgeon, data collection and analysis, manuscript editing.
14. **Smithers CJ**, Hamilton TE, Manfredi MA, Rhein L, Ngo P, Gallagher D, Foker JE, Jennings RW. Categorization and repair of recurrent and acquired tracheoesophageal fistulae occurring after esophageal atresia repair. *J Pediatr Surg*. 2016 52(3):424-430. PMID: 27616617
15. Manfredi MA, Hall AM, Ngo P, **Smithers CJ**, Hamilton TE, Jennings RW. The utility of volumetric laser endomicroscopy in the evaluation of esophageal wall layers in patients with esophageal atresia. *Gastrointest Endosc*. 2016; 83(5): AB299.

- My contribution was operating surgeon, data collection and analysis, manuscript editing*
16. Englum BR, Rothman J, Leonard S, Reiter A, Thornburg C, Brindle M, Wright N, Heeney MM, **Smithers CJ**, Brown RL, Kalfa T, Langer JC, Cada M, Oldham KT, Scott JP, St. Peter SD, Sharma M, Davidoff AM, Nottage K, Bernabe K, Wilson DB, Dutta S, Glader B, Crary SE, Dassinger MS, Dunbar L, Islam S, Kumar M, Rescorla F, Bruch S, Campbell A, Austin M, Sidonio R, Blakely ML, Rice HE. Hematologic outcomes after total splenectomy and partial splenectomy for congenital hemolytic anemia. *J Pediatr Surg.* 2016; 51 (1): 122-127. PMID: 26613837
 - My contribution was study site leader and operating surgeon in Boston, data collection from Boston, manuscript editing*
 17. Shieh HF, Wilson JM, Sheils CA, **Smithers CJ**, Kharasch VS, Becker RE, Studley M, Morash D, Buchmiller TL. Does the ex utero intrapartum treatment to extracorporeal membrane oxygenation procedure change morbidity outcomes for high-risk congenital diaphragmatic hernia survivors? *J Pediatr Surg.* 2017; 52: 22-25. PMID: 27836357
 - My contribution was operating surgeon, data collection and analysis, manuscript editing*
 18. Shieh HF, Barnewolt CE, Wilson JM, Zurakowski D, Connolly SA, Estroff JA, Zalieckas J, **Smithers CJ**, Buchmiller TL. Percent predicted lung volume changes on fetal magnetic resonance imaging throughout gestation in congenital diaphragmatic hernia. *J Pediatr Surg.* 2017; 52: 933-937. PMID: 28385427
 - My contribution was operating surgeon, data collection and analysis, manuscript editing*
 19. Shieh HF, **Smithers CJ**, Hamilton TE, Zurakowski D, Rhein L, Manfredi M, Baird C, Jennings RW. Posterior tracheopexy for severe tracheomalacia. *J Pediatr Surg.* 2017; 52:22-5. PMID: 28385426
 - My contribution was operating surgeon, data collection and analysis, manuscript editing*
 20. Onwubiko C, Weil BR, Bairdain S, Hall AM, Perkins JM, Thangajarah H, McSweeney ME, **Smithers CJ**. Primary laparoscopic gastrojejunostomy tubes as a feeding modality in the pediatric population. *J Pediatr Surg.* 2017; 52(9): 1421-1425. PMID: 28549684
 21. Dao DT, Anez-Bustillos L, O'Loughlin AA, Pan A, Nedder AP, Bolgen D, **Smithers CJ**, Zalieckas J, Lillehei CW, Nandivada P, Baker MA, Fell GL, Cho BS, Puder M. Technique and perioperative management of left pneumonectomy in neonatal piglets. *J Surg Res.* 2017; 212: 146-152. PMID: 28550900
 - My contribution was operating surgeon, data collection and analysis, manuscript editing*
 22. Shieh HF, **Smithers CJ**, Hamilton TE, Zurakowski D, Visner GA, Manfredi MA, Baird CW, Jennings RW. Posterior tracheopexy for severe tracheomalacia associated with esophageal atresia (EA): Primary treatment at the time of initial EA repair versus secondary treatment. *Front Surg.* 2018 Jan 15;4:80. PMID: 29379786
 - My contribution was operating surgeon, data collection and analysis, manuscript editing*
 23. Shieh HF, **Smithers CJ**, Hamilton TE, Zurakowski D, Visner GA, Manfredi MA, Jennings RW, Baird CW. Descending aortopexy and posterior tracheopexy for severe tracheomalacia and left mainstem bronchomalacia. *Semin Thorac Cardiovasc Surg.* 2018 31(3):479-485. PMID: 29524603
 - My contribution was operating surgeon, data collection and analysis, manuscript editing*
 24. Kamran A, Zendejas B, Demehri FR, Nath B, Zurakowski D, **Smithers CJ**. Risk factors for recurrence after thoroscopic repair of congenital diaphragmatic hernia (CDH). *J Pediatr Surg.* 2018 53(11):2087-2091. PMID: 30017067
 25. Manfredi MA, Clark SJ, Medford S, Staffa SJ, Ngo P, Hamilton TE, **Smithers CJ**, Jennings RW. Endoscopic electrocautery incisional therapy as a treatment for refractory benign pediatric esophageal strictures. *J Pediatr Gastroenterol Nutr.* 2018 67(4):464-468. PMID: 29697549
 - My contribution was operating surgeon, data collection and analysis, manuscript editing*
 26. Kamran A, **Smithers CJ**, Manfredi MA, Hamilton TE, Ngo PD, Zurakowski D, Jennings RW. Slide esophagoplasty vs end-to-end anastomosis for recalcitrant esophageal stricture after esophageal atresia repair. *J Am Coll Surg.* 2018 Jun;226(6):1045-1050. PMID: 29224798
 - My contribution was operating surgeon, data collection and analysis, manuscript editing*
 27. Ganske IM, Firriolo JM, Nuzzi LC, Ganor O, Hamilton TE, **Smithers CJ**, Jennings RW, Upton J 3rd, Labow BI, Taghnia AH. Double supercharged jejunal interposition for late salvage of long-gap esophageal atresia. *Ann Plast Surg.* 2018, 81(5):553-559. PMID: 29905609
 - My contribution was operating surgeon, data collection and analysis, manuscript editing*
 28. Manfredi MA, Clark SJ, Staffa SJ, Ngo PD, **Smithers CJ**, Hamilton TE, Jennings RW. Endoscopic esophageal vacuum therapy: A novel therapy for esophageal perforations in pediatric patients. *J Pediatr Gastroenterol Nutr.* 2018 67(6):706-712. PMID: 29927863
 - My contribution was operating surgeon, data collection and analysis, manuscript editing*
 29. Kamran A, Hamilton TE, Zendejas B, Nath B, Jennings RW, **Smithers CJ**. Minimally invasive surgical approach for posterior tracheopexy to treat severe tracheomalacia: Lessons learned from initial case series. *J Laparoendosc Adv Surg Tech A.* 2018 53(11):2087-2091. PMID: 30017067

30. Duggan EM, Nurko S, **Smithers CJ**, Rodriguez L, Fox VL, Fishman SJ. Thoracoscopic esophagomyotomy for achalasia in the pediatric population: A retrospective cohort study. *J Pediatr Surg.* 2018 54(3):572-576. PMID: 30121126
My contribution was operating surgeon, data collection and analysis, manuscript editing
31. Dao DT, Anez-Bustillos L, Pan A, O'Loughlin AA, Mitchell PD, Fell GL, Baker MD, Cho BS, Nedder AP, **Smithers CJ**, Chen N, Comeau R, Holmes K, Kalled S, Norton A, Zhang B, Puder M. Vascular endothelial growth factor enhances compensatory lung growth in piglets. *Surgery.* 2018 Dec;164(6):1279-1286. PMID: 30193736
My contribution was operating surgeon assisting with animal cases, data collection and analysis, manuscript editing
32. Lawlor C, **Smithers CJ**, Hamilton T, Baird C, Rahbar R, Choi S, Jennings R. Innonvative management of severe tracheobronchomalacia using anterior and posterior tracheobronchopexy. *Laryngoscope.* 2019 Feb;130(2):E65-E74. PMID: 30908672
My contribution was operating surgeon, data collection and analysis, manuscript editing
33. Yasuda JL, Clark SJ, Staffa SJ, Blansky B, Ngo PD, Hamilton TE, **Smithers CJ**, Jennings R, Manfredi MA. Esophagitis in pediatric esophageal atresia: Acid may not always be the issue. *J Pediatr Gastroenterol Nutr.* 2019 Aug;69(2):163-170. PMID: 30921254
My contribution was operating surgeon, data collection and analysis, manuscript editing
34. Meunsterer OJ, Sterlin A, Oetzmann von Sochaczewski C, Lindner A, Heimann A, Balus A, Dickmann J, Nuber M, Patel VH, Manfredi MA, Jennings RW, **Smithers CJ**, Fauza DO, Harrison MR. An experimental study on magnetic esophageal compression anastomosis in piglets. *J Pediatr Surg.* 2019 Mar;55(3):425-432. PMID: 31128845
My contribution was concept planning, manuscript editing
35. Firriolo JM, Nuzzi LC, Ganske IM, Hamilton TE, **Smithers CJ**, Ganor O, Upton J 3rd, Taghinia AH, Jennings RW, Labow BI. Supercharged jejunal interposition: A reliable esophageal replacement in pediatric patients. *Plast Reconstr Surg.* 2019 Jun;143(6):1266e-1276e. PMID: 31136495
My contribution was operating surgeon, data collection and analysis, manuscript editing
36. Svetanoff WJ, Zendejas B, **Smithers CJ**, Prabhu SP, Baird CW, Jennings RW, Hamilton TE. Great vessel anomalies and their impact on the surgical management of tracheobronchomalacia. *J Pediatr Surg.* 2019 Jul;55(7):1302-1308. PMID: 31422856
My contribution was operating surgeon, data collection and analysis, manuscript editing
37. Chalphin AV, Serres SK, Micalizzi RA, Dawson M, Phinney C, Hrycko A, Martin-Quashie A, Pepin MJ, **Smithers CJ**, Rangel SJ, Chen C. Development and implementation of a surgical quality improvement pathway for pediatric intussusception patients. *Pediatr Qual Saf* 2019;5:e205;30 Aug 2019. PMID: 31745508
My contribution was concept plan, manuscript editing.
38. Dao DT, Kamran A, Wilson JM, Sheils CA, Kharasch VS, Mullen MP, Rice-Townsend SE, Zalieckas JM, Morash D, Studley M, Staffa SJ, Zurakowski D, Becker RE, Buchmiller TL, **Smithers CJ**. Longitudinal analysis of ventilation perfusion mismatch in congenital diaphragmatic hernia survivors. *J Pediatr.* 2019 Apr;219:160-166.e2. PMID: 31704054
39. Dao DT, Hayden LP, Buchmiller TL, Kharasch VS, Kamran A, **Smithers CJ**, Rice-Townsend SE, Zalieckas JM, Becker R, Morash D, Studley M, Wilson JM, Sheils CA. Longitudinal analysis of pulmonary function in survivors of congenital diaphragmatic hernia. *J Pediatr.* 2019 Jan;216:158-164. PMID: 31704056
My contribution was operating surgeon, data collection and analysis, manuscript editing
40. Ngo PD, Kamran A, Clark SJ, Jennings RW, Hamilton TE, **Smithers CJ**, Zendejas B, Yasuda JL, Zurakowski D, Manfredi MA. Intralesional steroid injection therapy for esophageal anastomotic stricture following esophageal atresia repair. *J Pediatr Gastroenterol Nutr.* 2019 Nov; Apr;70(4):462-467. PMID: 31764412
My contribution was operating surgeon, data collection and analysis, manuscript editing
41. Svetanoff WJ, Zendejas B, Frain L, Visner G, **Smithers CJ**, Baird CW, Prabhu SP, Jennings RW, Hamilton TE. When to consider a posterolateral descending aortopexy in addition to a posterior tracheopexy for the surgical treatment of symptomatic tracheobronchomalacia. *J Pediatr Surg.* 2020 Dec;55(12):2682-2689. PMID: 32444171
My contribution was operating surgeon, data collection and analysis, manuscript editing
42. Bludevich BM, Kauffman JD, **Smithers CJ**, Danielson PD, Chandler NM. 30-Day Outcomes Following Esophageal Replacement in Children: A National Surgical Quality Improvement Project Pediatric Analysis. *J Surg Res.* 2020 Nov;255:549-555. PMID: 32640406
My contribution was concept plan, manuscript editing
43. Snyder CW, Goldenberg NA, Nguyen ATH, **Smithers CJ**, Kays DW. A perioperative bivalirudin anticoagulation protocol for neonates with congenital diaphragmatic hernia on extracorporeal membrane oxygenation. *Thromb Res.* 2020 Sep;193:198-203. PMID: 32763642.
My contribution was operating surgeon, manuscript editing

44. [Svetanoff W](#), Zendejas B, Ngo P, Manfredi M, Hamilton TE, Jennings RW, **Smithers CJ**. The left-sided repair: An alternative approach for difficult esophageal atresia repair. *J Pediatr Surg*. 2020 56(5):938-943. PMID: 33248682
45. [Kamran A](#), Zendejas B, Meisner J, Choi SS, Munoz-San Julian C, Ngo P, Manfredi M, Yasuda JL, **Smithers CJ**, Hamilton TE, Jennings RW. Effect of Posterior Tracheopexy on Risk of Recurrence in Children after Recurrent Tracheo-Esophageal Fistula Repair. *J Am Coll Surg*. 2021 May;232(5):690-698. PMID: 33556502
My contribution was operating surgeon, data collection and analysis, manuscript editing
46. [Svetanoff WJ](#), Zendejas B, Hernandez K, Davidson K, Ngo P, Manfredi M, Hamilton TE, Jennings R, **Smithers CJ**. Contemporary outcomes of the Foker process and evolution of treatment algorithms for long-gap Esophageal Atresia. *J Pediatr Surg*. 2021 56(12):2180-2191. .PMID: 33766420
47. Thompson K, Zendejas B, [Svetanoff WJ](#), Labow B, Taghinia A, Ganor O, Manfredi M, Ngo P, **Smithers CJ**, Hamilton TE, Jennings RW. Evolution, lessons learned, and contemporary outcomes of esophageal replacement with jejunum for children. *Surgery*. 2021 Jul;170(1):114-125. PMID: 33812755
My contribution was operating surgeon, data collection and analysis, manuscript editing
48. Yasuda JL, [Svetanoff WJ](#), Staffa SJ, Zendejas B, Hamilton TE, Jennings RW, Ngo PD, Manfredi MA, **Jason Smithers C**. Prophylactic negative vacuum therapy of high-risk esophageal anastomoses in pediatric patients. *J Pediatr Surg*. 2021 May;56(5):944-950. PMID: 33342604
49. McSweeney ME, Mitchell PD, **Smithers CJ**, Doherty A, Perkins J, Rosen R. A Retrospective Review of Primary Percutaneous Endoscopic Gastrostomy and Laparoscopic Gastrostomy Tube Placement. *J Pediatr Gastroenterol Nutr*. 2021 Nov 1;73(5):586-591. PMID: 34259651
My contribution was operating surgeon, conceptual plan, manuscript editing
50. [Kamran A](#), **Smithers CJ**, Baird CW, Jennings RW. Experience with bioresorbable splints for treatment of airway collapse in a pediatric population. *JTCVS Tech*. 2021 Apr 19;8:160-169 PMID: 3440184
My contribution was operating surgeon, data collection and analysis, manuscript editing
51. Thompson K, Zendejas B, [Kamran A](#), [Svetanoff WJ](#), Meisner J, Zurakowski D, Staffa SJ, Ngo P, Manfredi M, Yasuda JL, Jennings RW, Hamilton TE, **Smithers CJ**. Predictors of anti-reflux procedure failure in complex esophageal atresia patients. *J Pediatr Surg*. 2022 57(7):1321-1330. PMID: 34509283

Review Articles [RA]

1. McSweeney ME, **Smithers CJ**. Advances in Pediatric Gastrostomy Placement. *Gastrointest Endosc Clin N Am*. 2016; 26(1):169-85. PMID: 26616903

Case Reports [CR]

1. Stephenson LL, Webb NA, **Smithers CJ**, Sager SL, Seefelder C. Lateral femoral cutaneous neuropathy following lateral positioning on a bean bag. *J Clin Anesth*. 2009;21(5):383-4. PMID: 19700294
My contribution was operating surgeon, manuscript editing
2. Misra MV, **Smithers CJ**, Karwczuk LE, Jenkins RL, Linden BC, Welson CB, Kim HB. Reduced size liver transplantation from a donor supported by a Berlin heart. *Am J Transplant*. 2009;9(11):2641-3. PMID: 19775315
My contribution was primary operative assistant and manuscript editing
3. **Smithers CJ**, Javid PJ, Turner CG, Klein JD, Jennings RW. Damage control operation for massive sacrococcygeal teratoma. *J Pediatr Surg*. 2011;46(3):566-9. PMID: 21376212
4. McGuire MM, Jones BA, Hull MA, Misra MV, **Smithers CJ**, Feins NR, Jenkins RL, Lillehei CW, Harmon WE, Jonas MM, Kim HB. Combined en bloc liver-double kidney transplantation in an infant with IVC thrombosis. *Pediatr Transplant*. 2011;15(7);E142-4. PMID: 20412506
5. Dionigi B, Bairdain S, **Smithers CJ**, Jennings RW, Hamilton TE. Restoring esophageal continuity following a failed colonic interposition for long-gap esophageal atresia. *J Surg Case Rep*. 2015;2015(4). PMID: 25907539
My contribution was operating surgeon, data collection and analysis, manuscript editing
6. Strychowsky JE, Roberson DW, Martin T, **Smithers J**, Herrington H. Proximal bronchial balloon dilation for embedded distal airway foreign bodies. *Laryngoscope* 2016;126(7):1693-5. PMID: 26422679
My contribution was operating surgeon, manuscript editing
7. Baird CW, Prabhu S, Buchmiller TL, **Smithers C**, Jennings R. Direct tracheobronchopexy and posterior descending aortopexy for severe left mainstem bronchomalacia associated with congenital pulmonary airway malformation and left circumflex aortic arch. *Ann Thorac Surg*. 2016 Jul;102(1):e1-4. PMID: 27343517
My contribution was operating surgeon, data collection and analysis, manuscript editing
8. Yeung JC, **Smithers CJ**, Roberson DW. Light-emitting diode aspiration: Distinct radiographic features and approach to management. *Int J Pediatr Otorhinolaryngol*. 2017; 102: 7-9.
My contribution was operating surgeon, manuscript editing

9. [Svetanoff WJ](#), **Smithers CJ**, Jennings R. Weighted abdominal traction for assistance in abdominal closure. *J Pediatr Surg Case Rep*. 2018; :59-62.
My contribution was operating surgeon, data collection and analysis, manuscript editing
10. [Svetanoff WJ](#), Zendejas B, Demerhi FR, Cuenca A, Nath B, **Smithers CJ**. Giant gastroschisis with complete liver herniation: A case report of two patients. *Case Rep Surg*. 2019; Jan 15;2019:4136214. PMID: 30775044
11. Beam K, Wojcik MH, Agrawal PB, **Smithers C**, Estroff J. Prenatal Diagnosis of a Ventral Abdominal Wall Defect. *Neoreviews*. 2020 Apr;21(4):e286-e292.PMID: 32238493. *My contribution was operating surgeon, manuscript editing*
12. Markovitz M, Monforte H, Shieh HF, **Smithers CJ**, Kucera JN. Endobronchial mucoepidermoid carcinoma in a pediatric patient: a case report. *Radiol Case Rep* 2022; Apr 17(6):2034-7. PMID: 35432680
My contribution was operating surgeon, data collection and analysis, manuscript editing

Book Chapters, Monographs [BC]

1. Seltman AK, **Smithers CJ**, Silen ML. General surgical interventions and techniques. In: Osborn LM, DeWitt TG, First LR, Zenel JA (eds). *Pediatrics*, Philadelphia, PA: Elsevier Mosby; 2005.
My contribution was writing and editing, research for background references
2. **Smithers CJ**, Fishman SJ. Vascular Anomalies. In: Ashcraft KW, Holcomb GW, Murphy JP (eds). *Pediatric Surgery*, 4th ed, Philadelphia, PA: Elsevier Saunders; 2005.
3. **Smithers CJ**, Fishman SJ. Vascular Anomalies. In: Holcomb GW, Murphy JP (eds). *Ashcraft's Pediatric Surgery*, 5th ed, Philadelphia, PA: Elsevier Saunders; 2010.
4. Laufer MR, Reichman DE, **Smithers CJ**. Overview of laparoscopy in children and adolescents. In: Falcone T, Marks J, Eckler K (eds). *UpToDate*, version 10.0, 2014.
5. Duro D, Santos CS, Puder M, **Smithers CJ**, Sztam KA. Feeding Tubes. In: Hansen A, Puder M, editors. *Manual of Neonatal Surgical Intensive Care*. Shelton CT: Peoples Medical Publishing; 2015
My contribution was operating surgeon with most local experience, writing and editing, research for background references
6. **Smithers CJ**, Fauza DO, Kays DW. Congenital Diaphragmatic Hernia. In: Sabiston Chest, 2022.
7. Shieh HF, **Smithers CJ**. Esophageal Atresia. In: Fischer Surgery, 2022.

Books, Textbooks [BK]

None

Editorials [ED]

None

Guidelines/Protocols, Consensus Statement, Expert Opinion, Consortium Articles [GL]

None

Letters, Correspondence [LT]

1. [Aarabi S](#), **Smithers CJ**, Mukharjee J. Don't ignore home grown medical systems. *BMJ*. 2010;340:c3187. PMID: 20558517
My contribution was participating global health surgeon, manuscript editing.

Other Media [OM] (Videos, Websites, Blogs, Social Media, etc.)

1. Ali Kamran, Richard N. Yu, Thomas E. Hamilton, Bharath Nath, Benjamin Zendejas, Russell W. Jennings, **Charles J. Smithers**. First Report of Robot-Assisted Thoracoscopic Posterior Tracheopexy to Treat Severe Tracheomalacia, Videoscopy. DOI: 10.1089/vor.2018.0543.

FUNDING

EXTRAMURAL Funding

None

INTRAMURAL Funding

Research Intramural Funding

Current

2021 Esophageal and Airway Treatment Service Registry at JHACH.

JHACH Foundation

\$30,000

PI: self

Notes: combined site data registry with Boston Children's Hospital.

Educational Intramural Funding

None

Clinical Intramural Funding

None

System Innovation or Quality Improvement Intramural Funding

None

Other Intramural Funding

None

CLINICAL ACTIVITIES

Clinical Focus

I am a pediatric surgeon who has devoted my career to developing better treatments for some of the most challenging pediatric surgical conditions, including congenital diaphragmatic hernia and esophageal/airway disorders. My main impact at JHACH has been development of the multi-disciplinary airway and esophageal program, Esophageal and Airway Treatment Service (EATS), that draws patients from across the country and internationally. I am commonly invited to give presentations and demonstrate operations at national and international conferences, and have had a primary role in producing the seminal literature on these topics.

Certifications

2009 – present BLS

2019 – present PALS

2019 – present ATLS

2019 – present ACLS

Medical, other state/government licensure

2002 – present Massachusetts Medical License

2019 – present Florida Medical License #ME 138873

2022 – present Maryland Medical License

Boards, other specialty certification

2008 – present General Surgery, American Board of Surgery

2008 – present Surgical Critical Care, American Board of Surgery

2010 – present Pediatric Surgery, American Board of Surgery

Clinical (Service) Responsibilities

2009 – 2014 Visiting Teaching Surgeon

Partners in Health, Haiti

Outpatient/Inpatient/Operating Room

One week per year

2009 – 2019

Surgical Attending

Pediatric General Surgery, Boston Children's Hospital

Outpatient/Inpatient/Operating Room

Two days per week

2009 – 2019

Surgical Attending

Esophageal Atresia Treatment Center, Boston Children's Hospital

Outpatient/Inpatient/Operating Room

Three days per week

2009 – 2019

Surgical Attending

Pediatric General Surgery, Boston Medical Center

Outpatient/Inpatient/Operating Room
 Two days per month
 2019 – present Surgical and Critical Care Attending
 Pediatric General Surgery
 Congenital Diaphragmatic Hernia Unit
 Esophageal and Airway Treatment Service
 John Hopkins All Children’s Hospital
 Five to seven days per week
 2022 – present Surgical Attending
 Esophageal and Airway Treatment Program
 Boston Children’s Hospital
 6 weeks per year

Clinical Productivity (*such as the annual number of patients evaluated or treated, procedures performed, tertiary referrals, wRVUs, etc.*)

2015 Annual charges 4,000,000.00
 2016 Annual charges 4,800,000.00
 2017 Annual charges 4,500,000.00
 2018 Annual charges 4,500,000.00

Clinical Draw from outside local/regional area (reflecting national/international reputation)

2009 – 2019 EATS cases from around the US, Europe, and Middle East to Boston Children’s Hospital
 2009 – 2019 Giant omphalocele cases from around US
 2019 EATS cases from around FL and the US, Saudi Arabia; 9 cases
 2019 Giant omphalocele case from CO (prior patient from BCH)
 2020 EATS cases, 20 out of region, 13 out of state
 2021 EATS cases, 50 out of region, 25 out of state, 2 international
 2022 EATS cases, 44 out of region, 53 out of state, 7 international

Membership in or examiner for specialty board

None

Clinical Program Building / Leadership

2009 – 2019 25%, Congenital Diaphragmatic Hernia Program at Boston Children’s Hospital
 2009 – 2019 30%, Esophageal and Airway Treatment Center at Boston Children’s Hospital
 2019 – present 100%, EATS program at JHACH
 2019 – present 25%, CDH program at JHACH

Clinical Demonstration Activities to external audience, on or off campus

2009 – 2012 Pediatric operations for a variety of conditions including anorectal malformations, Hirschsprung’s disease, kidney tumors, choledochal cysts, hernias, duodenal atresia. 15-20 different trips to Haiti as part of international surgery program.
 1/10 MIS approach for anorectal malformation, Pelvic tumor resection, Warsaw, Poland
 8/12 MIS partial splenectomy, neuroblastoma resection, Warsaw, Poland
 9/15 MIS lung malformation resections, Warsaw, Poland
 10/17 MIS lung malformation resections, bronchogenic cyst, fundoplication, Warsaw Poland
 4/18 MIS robotic tracheopexy, Beth Israel Hospital, Boston, MA
 5/19 SEECMO course, ECPR
 5/7/19 Posterior tracheopexy for patient in Amsterdam, Netherlands, working with pediatric surgeons from Medical University of Amsterdam
 9/19 Esophageal atresia repair with posterior tracheopexy for patient in Warsaw, Poland, working with surgeons from Medical University of Warsaw
 2/21 Repair RTEF for surgeon from SJH, Tampa, FL
 5/21 Repair type 3 laryngeal cleft and posterior tracheopexy, Amsterdam, Netherlands
 5/21 Posterior tracheopexy, for surgeon from CA
 11/21 Thoracoscopic Foker procedure for LGEA, surgeons from Orlando, FL and Baltimore, MD
 2/22 Thoracoscopic Foker procedure for LGEA, surgeon from TX
 7/22 Posterior tracheopexy, surgeon from AL
 9/22 Numerous cases in Egypt: esophageal stricture, colon interposition, RTEF, posterior tracheopexy

2/23	Case in Quito, Ecuador, multiple times RTEF
3/23	Visiting surgeon from Seattle, WA: posterior tracheopexy, program development
4/23	Visiting surgeon from Switzerland: type 3 laryngeal clefts, colon interposition
5/23	Visiting surgeon from Israel, posterior tracheopexy, program development

Development of nationally/internationally recognized clinical standard of care

2014 – 2020	Standards for surgical management of tracheobronchomalacia (OR 9,19,22,23,29,32,41)
2015 – 2021	Standards for management of long gap esophageal atresia by esophageal growth (OR 10,44,46)
2015 – 2021	Jejunal interposition for esophageal replacement (OR 13,27,35,47)
2016 - 2021	Definitive paper for repair of recurrent tracheoesophageal fistula. (OR14,45)
2014 – 2019	Management algorithms for esophageal anastomotic strictures (OR 7,25,26,40)
2018	Endoluminal vacuum sponge management for esophageal leak/perforation (OR 28)
2022	Best techniques for fundoplication in setting of complex esophageal atresia (OR 51)

EDUCATIONAL ACTIVITIES

Teaching

Classroom instruction

None

Clinical Instruction

JHMI/Regional

2008	Instructor Undergraduate Students Introduction to Vertebrate Surgery: Laparoscopy Laboratory Boston Children’s Hospital, Boston, MA
2009-2019	Lecturer Surgical residents and medical students Surgical resident teaching series Boston Medical Center, Boston, MA
2009 – 2019	Lecturer Pediatric Fellows, 1 st and 3 rd Year Surgery Residents and Medical Students Resident Core Lecture Series (four times yearly) Boston Children’s Hospital, Boston, MA
2009 – 2019	Instructor Pediatric Surgery Teaching Staff (average of 5 days per week) Outpatient, inpatient and operating room Boston Children’s Hospital, Boston, MA
2012	Lecturer Medical Students Human Body Course: Esophageal Atresia Harvard Medical School, Cambridge, MA
2013	Instructor Medical Students Gross Anatomy Lab: Abdomen Harvard Medical School, Cambridge, MA
2019 – present	Lecturer Surgical fellows, residents, medical students Critical Care and Surgical Core Lecture Series Johns Hopkins All Children’s Hospital
2019 – present	Instructor Pediatric Surgery and Critical Care teaching staff Inpatient, outpatient, and operating room Johns Hopkins All Children’s Hospital
2022 – present	EAT program mentor for junior faculty Boston Children’s Hospital (6 weeks per year)

International
2009 – 2014 Instructor
Local surgeons and residents
International Surgical Teaching
Partners in Health, Haiti
1 week per year

CME instruction

JHMI/Regional

2015 Advanced Fetal Care Center Noon Lecture
Lecturer
One-hour lecture twice per year
Medical and surgical residents and attending staff
Boston Children's Hospital, Boston, MA

2015 Enteral Access
Lecturer
4th Annual Harvard Medical School Pediatric Gastroenterology Course
Harvard Medical School, Cambridge, MA

2015 Surgical and Clinical Management of Esophageal Atresia
Co-presenter
Innovative Care in Pediatric Feeding and Swallowing: Bringing It All Together
Boston Children's Hospital, Boston, MA

Workshops /seminars

None

Mentoring

Pre-doctoral Advisees/Mentees

2009 – 2019 Pediatric Surgery Medical School Mentor
3rd and 4th year medical students
3-4 week rotations, 2 students per year
Boston Children's Hospital, Boston, MA

Post-doctoral Advisees/Mentees

2017 – 2019 Research Fellow Mentee: Ali Kamran, MD
Shared publications: OR 28, OR 30, OR 33, OR 42, OR 43, OR 44, OR 49, OR 55, OR 56
Boston Children's Hospital, Boston, MA

2014 – 2016 Research Fellow Mentee: Chin Onwubiko, MD
Shared publications: OR 15, OR 24
Boston Children's Hospital, Boston, MA

2009 – 2011 Research Fellow Mentee and Clinical Mentee for International Surgery: Sharam Aarabi, MD
Shared publications: OR 14, LT 1
Boston Children's Hospital, Boston, MA and Partners in Health, Cange, Haiti

2016 – 2019 Research Fellow Mentee: Wendy Svetanoff, MD
Shared publications: OR 40, OR 45, OR 48, OR 50, OR 51, OR 53, OR 56; CR 4, CR 6
Boston Children's Hospital, Boston, MA

2019 – 2020 Research Fellow Mentee: BM Bludevich, MD
Shared publications: OR 46
Johns Hopkins All Children's Hospital, St. Petersburg, FL

Thesis committees

None

Educational Program Building / Leadership

None

Educational Demonstration Activities to external audiences, on or off campus

None

RESEARCH ACTIVITIES

Research Focus

My early clinical research activities in Boston included quality improvement projects for global surgery, treatment of empyema and enteral access procedures. From 2012, my focus has been on clinical research related to esophageal and airway disorders, especially the esophageal atresia and tracheomalacia, as part of large clinical experience with Boston Children's and now Johns Hopkins All Children's Hospital's EAT Centers. Studies have focused on recurrent tracheoesophageal fistula, long gap esophageal atresia, esophageal strictures, vascular rings, and tracheomalacia. I have also maintained a focus on outcomes related to congenital diaphragmatic hernia, being involved with program at Boston Children's Hospital from 2009-2019, and now at Johns Hopkins All Children's Hospital in FL.

Research Program Building / Leadership

2021 – present EAT registry at JHACH

Research Demonstration Activities to external audience, on or off campus

None

Inventions, Patents, Copyrights (note pending or date awarded)

None

Technology Transfer Activities (e.g. Company Start-ups)

None

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

System Innovation and Quality Improvement efforts within JHMI:

None

System Innovation and Quality Improvement efforts outside of JHMI:

- 2008 – 2018 Multiple technical refinements for neonatal thoracoscopic repair of congenital diaphragmatic hernia, which have identified and addressed issues that cause increased risk of recurrence; published. Attending, 100% effort.
- 2009 First successful thoracoscopic repairs at Boston Children's Hospital for type C esophageal atresia with tracheoesophageal fistula, and long gap esophageal atresia without fistula, with multiple technical refinements. Attending, 100% effort.
- 2009 First successful laparoscopic repair at Boston Children's Hospital for duodenal atresia, with multiple technical refinements. Attending, 100% effort.
- 2009 First successful laparoscopic repair at Boston Children's Hospital for choledochal cyst.
- 2009 – 2019 Currently leading effort to apply robotics to minimally invasive operations for pediatric general surgery, as well as proctor and teach additional surgeons for this approach. Attending, 50% effort.
- 2012 First successful approaches at Boston Children's Hospital for diaphragm plication to treat eventration, both thoracoscopic and laparoscopic. These approaches are now favored by our cardiovascular surgical colleagues over open thoracotomy, which was the prior standard approach.
- 2012 Led effort to transition technique of gastrostomy tube placement from PEG (percutaneous endoscopic gastrostomy) to laparoscopic method, thereby decreasing numbers of procedures per patient that require anesthesia, and improving patient and family satisfaction. Attending, 100% effort.
- 2012 First report of laparoscopic technique for gastrojejunal feeding tube placement in literature (OR 15). This technique has been widely applied now for >150 patients, most with coexisting complex cardiac and respiratory disease, and allows safe feeding access which previously required open laparotomy and/or fundoplication, both of which carry substantially larger morbidity. Attending, 100% effort.
- 2012 – 2019 Use of ductal patency by prostaglandin infusion to preserve right-sided cardiac function in setting of severe congenital diaphragmatic hernia with pulmonary hypertension. We are soon to report this effort, which has not previously been utilized in conjunction with ECMO (extracorporeal membrane oxygenation). Attending, 50% effort.
- 2012 – present Multiple innovations related to esophageal and airway surgery, in conjunction with Dr. Russell Jennings, for EAT center:

- 2012 – present Technical refinements related to anterior and posterior tracheopexy, including first reported use of these new techniques that have dramatically altered the treatment algorithms for tracheomalacia, and are beginning to generate both national and international interest for this disease that has been heretofore very difficult to cure. Attending, 50% effort.
- 2015-2019 QI project to identify risk factors for bleeding during CDH repair on ECMO at Boston Children's Hospital.
- 2016 First case to be reported where sternal osseous augmentation is used in conjunction with anterior tracheopexy to repair severe tracheomalacia caused by thoracic scoliosis. Attending, 50% effort.
- 2017 First case of endoscopic marsupialization of tracheal diverticulum. Attending, 50% effort.
- 2017 First report of thoracoscopic posterior tracheopexy for tracheomalacia. Attending, 100% effort.
- 2017 First report of robotic posterior tracheopexy. Attending, 100% effort.
- 2022 Membrane reduction taper tracheoplasty. Attending, 100% effort.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

- 2014 – 2019 Enteral Access Committee
Member
Boston Children's Hospital, Boston, MA
- 2015 – 2019 Congenital Diaphragmatic Hernia Working Group
Member
Boston Children's Hospital, Boston, MA
- 2019 – present Surgical Performance Improvement Committee
Member
Johns Hopkins All Children's Hospital, St. Petersburg, FL
- 2019 – present Program Evaluation Committee, Pediatric Surgery Fellowship
Member
Johns Hopkins All Children's Hospital, St. Petersburg, FL
- 2019 – present Clinical Competency Committee, Pediatric Surgery Fellowship
Member
Johns Hopkins All Children's Hospital, St. Petersburg, FL
- 2020 – present Program Evaluation Committee, Surgical Critical Care Fellowship
Member
Johns Hopkins All Children's Hospital, St. Petersburg, FL

Editorial Activities

Editorial Board appointments

- 2012 - Present *Ad Hoc Reviewer*, Journal of Parental and Enteral Nutrition
- 2015 – Present *Ad Hoc Reviewer*, Journal of Pediatric Surgery
- 2016 - Present *Ad Hoc Reviewer*, Annals of Surgery
- 2016 - Present *Ad Hoc Reviewer*, Pediatric Transplantation

Journal peer review activities

None

Other peer review activities

None

Advisory Committees, Review Groups/Study Sections

- 1995 – 1999 Honor Code Committee, Albany Medical College, Albany, NY - Elected committee to hear honor code cases involving student body

1995 – 1998 Member
1998 – 1999 Chairman
2016-2018 APSA Fetal Committee

Professional Societies

2013 – present American College of Surgeons
2015 – present Section on Surgery of the American Academy of Pediatrics
2016 – present American Pediatric Surgical Association
2017 – present International Pediatric Endosurgery Group
2017 – present New England Surgical Society

Conference Organizer

None

Session Chair *(separate into JHMI/Regional – National - International activities)*

None

Consultantships

None

RECOGNITION

Awards, Honors

1989-1992 UC Regents Scholarship. University of California at Irvine, Irvine, CA
1996 McGraw-Hill Award. Awarded to top two first year medical students, Albany Medical College, Albany, NY
1997 General Excellence in Human Biochemistry. Albany Medical College, Albany, NY
1997 Academic Excellence in Physiology. Albany Medical College, Albany, NY
1997 American Society of Clinical Pathology. “Award for Academic Excellence and Achievement”, Albany Medical College, Albany, NY
1997 Henry Schaffer Prize in Pathology, Albany Medical College, Albany, NY
1997 Daggett Prize in Anatomy, Albany Medical College, Albany, NY
1998 Trustees’ Prize in Pharmacology, Albany Medical College, Albany, NY
1998 Elmer Schacht Prize in Microbiology, Albany Medical College, Albany, NY
1998 Alpha Omega Alpha Honor Medical Society, Albany Medical College, Albany, NY
1999 Alden March Prize in Clinical Surgery, Albany Medical College, Albany, NY
2003 Poster of Distinction, American College of Surgeons Massachusetts Chapter, Beverly, MA
2007 Chief Resident Teaching Award, Oregon Health and Science University, Portland, OR
2009 Sidney Farber House Staff Award, Boston Children’s Hospital, Boston, MA
2012 Resident Teaching Award 2nd Place, Boston Children’s Hospital Department of Surgery, Boston, MA
2013 Resident Teaching Award 1st Place, Boston Children’s Hospital Department of Surgery, Boston, MA
2019 Golden Trachea Award, 7th Annual Conference, Contemporary Management of Aerodigestive Disease in Children, Denver, CO (National meeting)
2021 Clinical Innovation Award, Johns Hopkins All Children’s Hospital, St. Petersburg, FL

Invited Talks

JHMI/Regional

2004 Clinical and Experimental Studies in Vascular Anomalies / Grand Rounds. Department of Surgery, Boston Children’s Hospital, Boston, MA
2009 Fellowship in Review / Grand Rounds. Department of Surgery, Boston Children’s Hospital, Boston, MA
2011 Building Surgical Capacity in a Global Health Setting / Global Health Conference. Boston Children’s Hospital, Boston, MA
2013 Rectal Prolapse / Grand Rounds. Division of Gastroenterology, Boston Children’s Hospital, Boston, MA
2016 Congenital Diaphragmatic Hernia / Grand Rounds. Department of Surgery, Boston Children’s Hospital, Boston, MA

- 2017 Airway Related EAT Cases / Grand Rounds. Department of Surgery, Boston Children's Hospital, Boston, MA
- 2018 Congenital Diaphragmatic Hernia / Grand Rounds. Department of Surgery, Boston Children's Hospital, Boston, MA
- 2019 Congenital Diaphragmatic Hernia / Grand Rounds. Department of Anesthesia, Boston Children's Hospital, Boston, MA
- 2019 Congenital Diaphragmatic Hernia / Grand Rounds. Department of Neonatology, Brigham and Women's Hospital, Boston, MA
- 2019-2020 Esophageal Atresia and Tracheomalacia Management / Multiple venues
 - Department of Anesthesia Town Hall Meeting, JHACH
 - Department of Neonatology, JHACH
 - Department of Pediatric Critical Care, JHACH
 - Department of Neonatology, Tampa General Hospital
 - Department of Pediatrics, JHACH
 - Pediatric Research Symposium, JHACH
- 2021 Long Gap Esophageal Atresia/Grand Rounds. Department of Surgery, Ocala Regional Medical Center, Ocala, FL
- 2022 JHH Pulmonology conference TBM, October
- 2023 Pediatric Resident's conference March

National

- 2004 Vascular Anomalies, John M. Porter Memorial Lecture Series, Vascular Grand Rounds, Oregon Health and Science University, Portland, OR
- 2010 Laparoscopic-assisted Pull Through for Hirschsprung's Disease AORN 57th Annual Congress Denver, CO
- 2017 History of Advances within EAT Center, Department of Surgery, Texas Children's Hospital Houston, TX
- 2018 History of Esophageal and Airway Program, Department of Surgery, JHACH St Petersburg, FL
- 2019 State of the Art in Management of Tracheobronchomalacia. 7th Annual Contemporary Management of Aerodigestive Disease in Children. Denver, CO
- 2019 State of the Art in Management of Long Gap Esophageal Atresia. 7th Annual Contemporary Management of Aerodigestive Disease in Children. Denver, CO
- 2021 Surgical Management of Tracheomalacia. Aerodigestive Society Annual Meeting, Nov 4-5
- 2022 Esophageal and Airway Treatment Program Team Building. American Pediatric Surgery Manager's Association Annual Meeting, May 16
- 2022 ACS Symposium San Diego October
- 2023 PCICS talk cardiac meeting Miami February

International

- 2014 Repair of Recurrent Tracheoesophageal Fistulas. British Association of Pediatric Surgeons, Annual Meeting. Edinburgh, Scotland
- 2015 CPAM (lecturer and teaching surgeon). Szpital Pediatryczn. Warsaw, Poland
- 2017 Thoracoscopic Repair of Long Gap Esophageal Atresia by Adjustable Internal Traction International Pediatric Endosurgery Group, Annual Meeting. London, England
- 2017 Nonoperative Management of Pancreatic Trauma, Symposium on Pancreatic Surgery in Children ESSKA-ESA Meeting, Biennial Meeting, Warsaw, Poland
- 2018 Thoracic Airway Procedures for Tracheobronchomalacia, and Foregut for Complicated Redo Funduplications and Hiatal Hernia Repair, Society of Robotic Surgery, Annual Meeting. Stockholm, Sweden
- 2019 Esophageal Atresia and Tracheomalacia Management. Medical University of Amsterdam. May 7-8, Amsterdam, Netherlands
- 2019 Multiple Lectures and Conference Moderation, Diagnosis and Management of Complex Esophageal and Airway Problems. Minimally Invasive Surgery in Esophageal Atresia and Tracheomalacia, Surgical Management for Recurrent Tracheoesophageal Fistulas. May 17-18, 2019, Boston Children's Hospital, Boston, MA
- 2019 MIS Approach for Posterior Tracheobronchopexy to Treat Severe Tracheobronchomalacia. 5th International Conference on Esophageal Atresia (INoEA). 2nd International Meeting of Pediatric Airway Teams (INPAT). June 24-28, 2019, Rome, Italy
- 2019 Symposium on Congenital Diaphragmatic Hernia, Biennial Meeting. Sept 4-6, 2019, Aesculap Akademia, Warsaw, Poland

- 2019 Surgical Management of Tracheomalacia. Sept 7, 2019, Medical University of Warsaw, Poland
- 2020 Surgical Management of Tracheomalacia. Oct 9, International Pediatric Airway Symposium
- 2021 Technical Aspects of Posterior Tracheopexy. August 6-7, Iowa International Airway Surgical Course
- 2022 Surgical Management of Tracheomalacia. March 25-26, International Pediatric Airway Symposium
- 2022 Talks in Egypt
- 2022 Talks in Cincinnati

OTHER PROFESSIONAL ACCOMPLISHMENTS

Oral/Podium Presentations [abstracts that were both presented orally and published]

- 2017 Recurrence of congenital diaphragmatic hernia after minimally invasive repair: Analysis of risk factors.
Kamran A, Zurakowski D, **Smithers CJ**.
International Pediatric Endosurgery Group
London, England
- 2017 Thoracoscopic posterior tracheobronchopexy to treat severe tracheomalacia
Duggan EM, Kamran A, Hamilton TE, Jennings RW, **Smithers CJ**.
International Pediatric Endosurgery Group
London, England
- 2019 Contemporary outcomes of the Foker process and evolution of treatment algorithms for long gap
esophageal atresia
Svetanoff WJ, Zendejas B, Hernandez K, Davidson K, Ngo P, Manfredi MA, Clark S, Hamilton TE,
Jennings RW, **Smithers CJ**.
American Academy of Pediatrics, New Orleans, LA

Community Services

Report of Education of Patients and Service to the Community

- 2009 – 2010 International Surgical Fellow, Boston Children's Hospital Partners in Health, Commitment for 25% time to assist with international surgical missions for patient care and teaching in Haiti.