

Brian R. Englum

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EDUCATION

University of Maryland, Baltimore County, MD **2024-present**

- Data Science Certification -enrolled

Cincinnati Children's Hospital Medical Center, Cincinnati, OH **2017-2019**

- General Pediatric Surgery Fellowship Program

Duke University School of Medicine, Durham, NC **2012-2020**

- Master of Health Sciences in Clinical Research

Duke University Medical Center, Durham, NC **2010-2017**

- General Surgery Residency Program

Johns Hopkins University School of Medicine, Baltimore, MD **2006-2010**

- M.D.

Indiana University, Bloomington, IN **1999-2003**

- B.A. Religious Studies, summa cum laude
- B.S. Biology, summa cum laude
- Minors in French and Chemistry

RESEARCH EXPERIENCE

Center for Vascular Research, Univ. of Maryland SOM, Baltimore, MD **2020-present**

- Conceived, developed, and aided in the execution of grants and research projects on the impact of the COVID-19 pandemic on surgical services

Duke Clinical Research Institute, Durham, NC **2012-2017**

- Evaluated and developed research projects from external proposal through final manuscript for the Society for Thoracic Surgeons database
- Conceived, developed, and aided in the execution of large database analyses using NSQIP, UNOS, SEER, SEER-Medicare, NIS, NTDB, NCDB, STS-ACSD, STS-GTD, and institutional data with advanced data mining and analytic tools
- Conceived, developed, and aided in the execution of randomized clinical trials through the CTSN and through novel registry-based techniques in the STS
- Developed proficiency in data management and analysis from data storage and cleaning to multivariable modeling, survival analysis, and variation in practice patterns using R, Stata, and SAS

Duke University SOM Institutional Review Member, Durham, NC **2012-2014**

- Served as reviewing and voting member for the evaluation of scientific, ethical, and regulatory merits of proposals for human subjects research

Trauma Outcomes Research Group, Johns Hopkins SOM, Baltimore, MD **2009-2010**

- Evaluated research ideas, analyzed large databases using Stata, and authored and published research articles to peer reviewed journals and conferences

Frameworks Global Health Grant, Brazzaville, Rep. of Congo

2007

- Served as author and liaison between Johns Hopkins School of Medicine and Santé-Nature (a development organization in the Republic of Congo) for elaboration of research protocol *The Impact of Moringa Oleifera Supplementation on the Nutritional Status of People Living with HIV/AIDS*
- Aided in the establishment of a National Ethics Committee to oversee scientific research in the Republic of Congo

APPOINTMENTS

Academic

Univ. of Maryland School of Medicine Assistant Professor of Surgery 09/2019-present

Non-Academic

Sinai Hospital, Baltimore, MD	Staff Pediatric Surgeon	2019-present
St. Agnes Hospital, Baltimore, MD	Staff Pediatric Surgeon	2019-present
Franklin Sq. MC, Baltimore, MD	Staff Pediatric Surgeon	2019-present
Mercy Hospital, Baltimore, MD	Staff Pediatric Surgeon	2019-present
St. Joseph MC, Baltimore, MD	Staff Pediatric Surgeon	2019-present

LICENSURE AND CERTIFICATION

American Board of Surgery

General Surgery, Board Certified (available on request)	2018-present
Pediatric Surgery, Board Certified (available on request)	2020-present

State Licensures

Maryland Board of Physicians (available on request)	2019-present
State Medical Board of Ohio License (available on request)	2017-2019
North Carolina Medical Board License –training (available on request)	2010-2017

Other

DEA Controlled Substance Registration (available on request)	2019-present
Maryland Controlled Dangerous Substance Registration (available on request)	2019-present
ACS Advance Trauma Life Support Certification	2010-2014
AHA Pediatric Advance Life Support (PALS) Certification	2019-2021

AWARDS AND GRANTS

Wells Scholarship

1999-2003

- Merit-based scholarship from Indiana University providing full tuition support, living expense stipend, and academic mentorship for four years of undergraduate study

Frameworks Global Health Grant

2007

- Competitive research field work grant from the Johns Hopkins Center for Global Health and the Fogarty International Center of the National Institutes of Health

- Duke Clinical Research Institute Fellow** **2012-2014**
- Mentorship, stipend support, didactic research conferences, and opportunity to work on a variety of clinical research projects including randomized trials and registry studies
- Cardiothoracic Surgery Network (CTSN) Fellow** **2012-2014**
- Mentorship, financial support for master's degree program, travel to CTSN investigator meetings and research conferences, opportunity to work on study development in a National Institutes of Health funded collaborative workgroup
 - NIH grants: U01 HL088942; U01 HL088953; UM1 HL088953
- National Cancer Data Base, American College of Surgeons** **2013**
- Peer-reviewed research application which awarding datasets across a variety of cancers, including colorectal, lung, esophagus, neuroblastoma, and sarcoma
- Society of Thoracic Surgeons Research Award** **2013-2014**
- Competitive, peer-reviewed research application providing dataset and statistical support for research projects
- C. Walton Lillehei Resident Forum Finalist** **2014**
- Travel stipend to the American Association for Thoracic Surgery for competitive, peer-reviewed abstract competition
- Jameson L. Chassin Award Finalist** **2016**
- Nomination by residency program and finalist in national, peer-reviewed selection process honoring professionalism in general surgery
- Appleseed Award** **2017**
- Recognition by Duke University medical students as one of the surgical residents most invested in student education and inspiring to those considering surgical specialties
- Center for Equity, Diversity and Inclusion Seed Grant** **2022**
- Competitive, peer-reviewed research seed grant from the Univ. of Maryland SOM Program in Health Equity and Population Health for the project, *COVID-19 related disruptions in the diagnosis of new cancers: disparities in care utilization and patient outcomes*
- American Cancer Society Institutional Research Grant** **2022-2023**
- Competitive, peer-reviewed research seed grant from the Univ. of Maryland Marlene and Stewart Greenebaum Comprehensive Cancer Center (UMGCCC) and the American Cancer Society for the project, *COVID-19 disruptions to new cancer diagnoses: impact on access to care and outcomes*
- National Institute of Minority Health and Health Disparity R21** **2023-2025**
- Competitive, peer-reviewed research grant from the NIH
 - R21 MD018665

- *Disparities in Cancer Outcomes from the COVID-19 Pandemic*

National Institutes of Health

2025-present

- Competitive, peer-reviewed research grant from the NIH and University of Maryland
- K12 Mentored Career Development Award
- *Advancing care of rare pediatric cancers: automated data extraction and natural language processing*

POSITIONS AND MEMBERSHIPS

Positions

Ad-hoc reviewer, <i>American Heart Journal</i> (2x/yr)	2012-2016
Ad-hoc reviewer, <i>Annals of Thoracic Surgery</i> (2x/yr)	2013-2016
Ad-hoc reviewer, <i>Circulation</i> (2x/yr)	2014-2015
Ad-hoc reviewer, <i>World Journal of Surgical Oncology</i> (2x/yr)	2015-2016
Ad-hoc reviewer, <i>Journal of Heart and Lung Transplantation</i> (2x/yr)	2016-2022
Ad-hoc reviewer, <i>Transplantation</i> (2x/yr)	2016-2017
Ad-hoc reviewer, <i>Surgery</i> (2x/yr)	2017-2020
Ad-hoc reviewer, <i>Journal of Pediatric Surgery</i> (15x/yr)	2017-present
Ad-hoc reviewer, <i>Pediatrics</i> (2x/yr)	2023-present
Member, Duke Graduate Medical Education Residency Council	2016-2017
Member, University of Maryland School of Medicine Council	2022-present

Memberships

Member, American Medical Association	2009-present
Fellow, American College of Surgeons	2010-present
Member, American Pediatric Surgical Association	2014-present
Publications committee member	2021-present
Outcomes and Evidence Based Research committee member	2021-2024
Diversity, Equity, and Inclusion committee member	2021-2024
Cancer committee member	2024-present
Specialty Fellow, American Academy of Pediatrics	2015-present
Publications committee member	2021-present
Member, Children's Oncology Group	2019-present
Rare Tumors committee member	2022-present
National Childhood Cancer Registry	
Metadata Working Group member	2021-present
Data Products Working Group member	2021-present
Pediatric Surgical Research Collaborative member	2019-present
Pediatric Surgical Oncology Research Consortium member	2019-present

PUBLICATIONS

Peer-Reviewed Journals

Published

1. **Englum BR**, Villegas C, Bolorunduro O, Haut ER, Cornwell EE, 3rd, Efron DT, Haider AH. Racial, ethnic, and insurance status disparities in use of posthospitalization care after trauma. *J Am Coll Surg* 2011;213(6):699-708.

2. **Englum BR**, Andersen ND, Husain AM, Mathew JP, Hughes GC. Degree of hypothermia in aortic arch surgery - optimal temperature for cerebral and spinal protection: deep hypothermia remains the gold standard in the absence of randomized data. *Ann Cardiothorac Surg* 2013;2(2):184-93.
3. Tracy ET, **Englum BR**, Barbas AS, Foley C, Rice HE, Shapiro ML. Pediatric injury patterns by year of age. *J Pediatr Surg* 2013;48(6):1384-8.
4. Caceres M, Ma Y, Rankin JS, Saha-Chaudhuri P, **Englum BR**, Gammie JS, Suri RM, Thourani VH, Esmailian F, Czer LS, Puskas JD, Svensson LG. Mortality characteristics of aortic root surgery in North America. *Eur J Cardiothorac Surg* 2014;46(5):887-93.
5. Crestanello JA, Higgins RS, He X, Saha-Chaudhuri P, **Englum BR**, Brennan JM, Thourani VH. The association of chronic lung disease with early mortality and respiratory adverse events after aortic valve replacement. *Ann Thorac Surg* 2014;98(6):2068-77.
6. **Englum BR**, Pavlisko EN, Mack MC, Ganapathi AM, Schechter MA, Hanna JM, Hughes GC. Pseudoaneurysm formation after medtronic freestyle porcine aortic bioprosthesis implantation: a word of caution. *Ann Thorac Surg* 2014;98(6):2061-7.
7. Ganapathi AM, **Englum BR**, Hanna JM, Schechter MA, Gaca JG, Hurwitz LM, Hughes GC. Frailty and risk in proximal aortic surgery. *J Thorac Cardiovasc Surg* 2014;147(1):186-91.e1.
8. Ganapathi AM, **Englum BR**, Schechter MA, Vavalle JP, Harrison JK, McCann RL, Hughes GC. Role of cardiac evaluation before thoracic endovascular aortic repair. *J Vasc Surg* 2014;60(5):1196-203.
9. Ganapathi AM, Hanna JM, Schechter MA, **Englum BR**, Castleberry AW, Gaca JG, Hughes GC. Antegrade versus retrograde cerebral perfusion for hemiarch replacement with deep hypothermic circulatory arrest: does it matter? A propensity-matched analysis. *J Thorac Cardiovasc Surg* 2014;148(6):2896-902.
10. Ganapathi AM, Speicher PJ, Castleberry AW, **Englum BR**, Osho AA, Davis RD, Hartwig MG. The effect of prior pneumonectomy or lobectomy on subsequent lung transplantation. *Ann Thorac Surg* 2014;98(6):1922-8; discussion 8-9.
11. Ganapathi AM, Speicher PJ, **Englum BR**, Castleberry AW, Migaly J, Hsu DS, Mantyh CR. Adjuvant chemotherapy for t1 node-positive colon cancers provides significant survival benefit. *Dis Colon Rectum* 2014;57(12):1341-8.
12. Greason KL, Kim S, Suri RM, Wallace AS, **Englum BR**. Hypothermia and operative mortality during on-pump coronary artery bypass grafting. *J Thorac Cardiovasc Surg* 2014;148(6):2712-8.
13. Hess CN, Lopes RD, Gibson CM, Hager R, Wojdyla DM, **Englum BR**, Mack MJ, Califf RM, Kouchoukos NT, Peterson ED, Alexander JH. Saphenous vein graft failure after coronary artery bypass surgery: insights from PREVENT IV. *Circulation* 2014;130(17):1445-51.

14. Hughes GC, Ganapathi AM, Keenan JE, **Englum BR**, Hanna JM, Schechter MA, Wang H, McCann RL. Thoracic endovascular aortic repair for chronic DeBakey IIIb aortic dissection. *Ann Thorac Surg* 2014;98(6):2092-7; discussion 8.
15. Speicher PJ, **Englum BR**, Jiang B, Pietrobon R, Mantyh CR, Migaly J. The impact of laparoscopic versus open approach on reoperation rate after segmental colectomy: a propensity analysis. *J Gastrointest Surg* 2014;18(2):378-84.
16. Speicher PJ, Ganapathi AM, **Englum BR**, Hartwig MG, Onaitis MW, D'Amico TA, Berry MF. Induction therapy does not improve survival for clinical stage T2N0 esophageal cancer. *J Thorac Oncol* 2014;9(8):1195-201.
17. Speicher PJ, Ganapathi AM, **Englum BR**, Onaitis MW, D'Amico TA, Berry MF. Survival in the elderly after pneumonectomy for early-stage non-small cell lung cancer: a comparison with nonoperative management. *J Am Coll Surg* 2014;218(3):439-49.
18. Speicher PJ, Ganapathi AM, **Englum BR**, Vaslef SN. Laparoscopy is safe among patients with congestive heart failure undergoing general surgery procedures. *Surgery* 2014;156(2):371-8.
19. Suri RM, Thourani VH, **Englum BR**, Rankin JS, Badhwar V, Svensson LG, Ailawadi G, Mack MJ, He M, Brennan JM, Schaff HV, Gammie JS. The expanding role of mitral valve repair in triple valve operations: contemporary North American outcomes in 8,021 patients. *Ann Thorac Surg* 2014;97(5):1513-9; discussion 9.
20. Castleberry AW, **Englum BR**, Snyder LD, Worni M, Osho AA, Gulack BC, Palmer SM, Davis RD, Hartwig MG. The utility of preoperative six-minute-walk distance in lung transplantation. *Am J Respir Crit Care Med* 2015;192(7):843-52.
21. **Englum BR**, Ganapathi AM, Hughes GC. Reply: To PMID 25301369. *Ann Thorac Surg* 2015;100(4):1508.
22. **Englum BR**, Pura J, Reed SD, Roman SA, Sosa JA, Scheri RP. A Bedside Risk Calculator to Preoperatively Distinguish Follicular Thyroid Carcinoma from Follicular Variant of Papillary Thyroid Carcinoma. *World J Surg* 2015;39(12):2928-34.
23. **Englum BR**, Rialon KL, Speicher PJ, Gulack B, Driscoll TA, Kreissman SG, Rice HE. Value of surgical resection in children with high-risk neuroblastoma. *Pediatr Blood Cancer* 2015;62(9):1529-35.
24. **Englum BR**, Saha-Chaudhuri P, Shahian DM, O'Brien SM, Brennan JM, Edwards FH, Peterson ED. The impact of high-risk cases on hospitals' risk-adjusted coronary artery bypass grafting mortality rankings. *Ann Thorac Surg* 2015;99(3):856-62.
25. **Englum BR**, Schechter MA, Irish WD, Ravindra KV, Vikraman DS, Sanoff SL, Ellis MJ, Sudan DL, Patel UD. Outcomes in kidney transplant recipients from older living donors. *Transplantation* 2015;99(2):309-15.
26. Erhunmwunsee L, **Englum BR**, Onaitis MW, D'Amico TA, Berry MF. Impact of pretreatment imaging on survival of esophagectomy after induction therapy for esophageal cancer: who should be given the benefit of the doubt?: esophagectomy

- outcomes of patients with suspicious metastatic lesions. *Ann Surg Oncol* 2015;22(3):1020-5.
27. Farjah F, Backhus L, Cheng A, **Englum B**, Kim S, Saha-Chaudhuri P, Wood DE, Mulligan MS, Varghese TK. Failure to rescue and pulmonary resection for lung cancer. *J Thorac Cardiovasc Surg* 2015;149(5):1365-71; discussion 71-3.e3.
 28. Ganapathi AM, **Englum BR**, Keenan JE, Schechter MA, Wang H, Smith PK, Glower DD, Hughes GC. Long-Term Survival After Bovine Pericardial Versus Porcine Stented Bioprosthetic Aortic Valve Replacement: Does Valve Choice Matter? *Ann Thorac Surg* 2015;100(2):550-9.
 29. Ganapathi AM, Speicher PJ, **Englum BR**, Perez A, Tyler DS, Zani S. Gangrenous cholecystitis: a contemporary review. *J Surg Res* 2015;197(1):18-24.
 30. Gulack BC, **Englum BR**, Castleberry AW, Daneshmand MA, Smith PK, Perrault LP. Repair or observe moderate ischemic mitral regurgitation during coronary artery bypass grafting? Prospective randomized multicenter data. *Ann Cardiothorac Surg* 2015;4(3):266-72.
 31. Gulack BC, **Englum BR**, Lo DD, Nussbaum DP, Keenan JE, Scarborough JE, Shapiro ML. Leukopenia is associated with worse but not prohibitive outcomes following emergent abdominal surgery. *J Trauma Acute Care Surg* 2015;79(3):437-43.
 32. Gulack BC, **Englum BR**, Rialon KL, Talbot LJ, Keenan JE, Rice HE, Scarborough JE, Adibe OO. Inequalities in the use of helmets by race and payer status among pediatric cyclists. *Surgery* 2015;158(2):556-61.
 33. Gulack BC, Schweitzer M, **Englum BR**, Kuchibhatla M, Prasad VK, Adibe OO. Predictors of gastrostomy placement in children with inherited metabolic diseases treated by umbilical cord blood transplantation. *J Pediatr Surg* 2015;50(7):1109-11.
 34. Hess CN, Lopes RD, Gibson CM, Hager R, Wojdyla DM, **Englum BR**, Mack MJ, Kouchoukos NT, Peterson ED, Alexander JH. Response to Letters Regarding Article, "Saphenous Vein Graft Failure After Coronary Artery Bypass Surgery: Insights From PREVENT IV". *Circulation* 2015;132(4):e29.
 35. Kaneko T, Vassileva CM, **Englum B**, Kim S, Yammine M, Brennan M, Suri RM, Thourani VH, Jacobs JP, Aranki S. Contemporary Outcomes of Repeat Aortic Valve Replacement: A Benchmark for Transcatheter Valve-in-Valve Procedures. *Ann Thorac Surg* 2015;100(4):1298-304; discussion 304.
 36. McCoy CC, **Englum BR**, Keenan JE, Vaslef SN, Shapiro ML, Scarborough JE. Impact of specific postoperative complications on the outcomes of emergency general surgery patients. *J Trauma Acute Care Surg* 2015;78(5):912-8; discussion 8-9.
 37. Nussbaum DP, Speicher PJ, Ganapathi AM, **Englum BR**, Keenan JE, Mantyh CR, Migaly J. Laparoscopic versus open low anterior resection for rectal cancer: results from the national cancer data base. *J Gastrointest Surg* 2015;19(1):124-31; discussion 31-2.

38. Nussbaum DP, Speicher PJ, Gulack BC, Ganapathi AM, **Englum BR**, Kirsch DG, Tyler DS, Blazer DG, 3rd. Long-term Oncologic Outcomes After Neoadjuvant Radiation Therapy for Retroperitoneal Sarcomas. *Ann Surg* 2015;262(1):163-70.
39. Nussbaum DP, Speicher PJ, Gulack BC, Keenan JE, Ganapathi AM, **Englum BR**, Tyler DS, Blazer DG, 3rd. Management of 1- to 2-cm Carcinoid Tumors of the Appendix: Using the National Cancer Data Base to Address Controversies in General Surgery. *J Am Coll Surg* 2015;220(5):894-903.
40. Rialon KL, Gulack BC, **Englum BR**, Routh JC, Rice HE. Factors impacting survival in children with renal cell carcinoma. *J Pediatr Surg* 2015;50(6):1014-8.
41. Rice HE, **Englum BR**, Gulack BC, Adibe OO, Tracy ET, Kreissman SG, Routh JC. Use of patient registries and administrative datasets for the study of pediatric cancer. *Pediatr Blood Cancer* 2015;62(9):1495-500.
42. 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 ML. Clinical outcomes of splenectomy in children: report of the splenectomy in congenital hemolytic anemia registry. *Am J Hematol* 2015;90(3):187-92.
43. Scarborough JE, Bennett KM, **Englum BR**, Pappas TN, Lago-Deenadayalan SA. The impact of functional dependency on outcomes after complex general and vascular surgery. *Ann Surg* 2015;261(3):432-7.
44. Speicher PJ, **Englum BR**, Ganapathi AM, Mulvihill MS, Hartwig MG, Onaitis MW, D'Amico TA, Berry MF. Adjuvant chemotherapy is associated with improved survival after esophagectomy without induction therapy for node-positive adenocarcinoma. *J Thorac Oncol* 2015;10(1):181-8.
45. Speicher PJ, **Englum BR**, Ganapathi AM, Nussbaum DP, Mantyh CR, Migaly J. Robotic Low Anterior Resection for Rectal Cancer: A National Perspective on Short-term Oncologic Outcomes. *Ann Surg* 2015;262(6):1040-5.
46. Speicher PJ, **Englum BR**, Ganapathi AM, Onaitis MW, D'Amico TA, Berry MF. Outcomes after treatment of 17,378 patients with locally advanced (T3N0-2) non-small-cell lung cancer. *Eur J Cardiothorac Surg* 2015;47(4):636-41.
47. Speicher PJ, Ganapathi AM, **Englum BR**, Gulack BC, Osho AA, Hirji SA, Castleberry AW, Snyder LD, Duane Davis R, Hartwig MG. Single-lung transplantation in the United States: what happens to the other lung? *J Heart Lung Transplant* 2015;34(1):36-42.
48. Speicher PJ, Wang X, **Englum BR**, Ganapathi AM, Yerokun B, Hartwig MG, D'Amico TA, Berry MF. Induction chemoradiation therapy prior to esophagectomy is associated with superior long-term survival for esophageal cancer. *Dis Esophagus* 2015;28(8):788-96.

49. Castleberry A, Mulvihill MS, Yerokun BA, Gulack BC, **Englum B**, Snyder L, Worni M, Osho A, Palmer S, Davis RD, Hartwig MG. The utility of 6-minute walk distance in predicting waitlist mortality for lung transplant candidates. *J Heart Lung Transplant* 2016.
50. **Englum BR**, Ganapathi AM, Schechter MA, Harrison JK, Glower DD, Hughes GC. Changes in Risk Profile and Outcomes of Patients Undergoing Surgical Aortic Valve Replacement From the Pre- to Post-Transcatheter Aortic Valve Replacement Eras. *Ann Thorac Surg* 2016;101(1):110-7.
51. **Englum BR**, Ganapathi AM, Speicher PJ, Gulack BC, Snyder LD, Davis RD, Hartwig MG. Impact of donor and recipient hepatitis C status in lung transplantation. *J Heart Lung Transplant* 2016;35(2):228-35.
52. **Englum BR**, Gulack BC, Rice HE, Scarborough JE, Adibe OO. Management of blunt pancreatic trauma in children: Review of the National Trauma Data Bank. *J Pediatr Surg* 2016;51(9):1526-31.
53. **Englum BR**, Hui X, Zogg CK, Chaudhary MA, Villegas C, Bolorunduro OB, Stevens KA, Haut ER, Cornwell EE, Efron DT, Haider AH. Association Between Insurance Status and Hospital Length of Stay Following Trauma. *Am Surg* 2016;82(3):281-8.
54. **Englum BR**, Rothman J, Leonard S, Reiter A, Thornburg C, Brindle M, Wright N, Heeney MM, Jason Smithers C, 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):122-7.
55. Gulack BC, Rialon KL, **Englum BR**, Kim J, Talbot LJ, Adibe OO, Rice HE, Tracy ET. Factors associated with survival in pediatric adrenocortical carcinoma: An analysis of the National Cancer Data Base (NCDB). *J Pediatr Surg* 2016;51(1):172-7.
56. Harskamp RE, Alexander JH, Ferguson TB, Jr., Hager R, Mack MJ, **Englum B**, Wojdyla D, Schulte PJ, Kouchoukos NT, de Winter RJ, Gibson CM, Peterson ED, Harrington RA, Smith PK, Lopes RD. Response to Letters Regarding Article, "Frequency and Predictors of Internal Mammary Artery Graft Failure and Subsequent Clinical Outcomes: Insights From the Project of Ex-Vivo Vein Graft Engineering via Transfection (PREVENT) IV Trial". *Circulation* 2016;133(21):e665.
57. Harskamp RE, Alexander JH, Ferguson TB, Jr., Hager R, Mack MJ, **Englum B**, Wojdyla D, Schulte PJ, Kouchoukos NT, de Winter RJ, Gibson CM, Peterson ED, Harrington RA, Smith PK, Lopes RD. Frequency and Predictors of Internal Mammary Artery Graft Failure and Subsequent Clinical Outcomes: Insights From the Project of Ex-vivo Vein Graft Engineering via Transfection (PREVENT) IV Trial. *Circulation* 2016;133(2):131-8.
58. Hartwig MG, Ganapathi AM, Osho AA, Hirji SA, **Englum BR**, Speicher PJ, Palmer SM, Davis RD, Snyder LD. Staging of Bilateral Lung Transplantation for High-Risk Patients

- With Interstitial Lung Disease: One Lung at a Time. *Am J Transplant* 2016;16(11):3270-7.
59. Keenan JE, Wang H, Ganapathi AM, **Englum BR**, Kale E, Mathew JP, Husain AM, Hughes GC. Electroencephalography During Hemiarch Replacement With Moderate Hypothermic Circulatory Arrest. *Ann Thorac Surg* 2016;101(2):631-7.
 60. Keenan JE, Wang H, Gulack BC, Ganapathi AM, Andersen ND, **Englum BR**, Krishnamurthy Y, Levy JH, Welsby IJ, Hughes GC. Does moderate hypothermia really carry less bleeding risk than deep hypothermia for circulatory arrest? A propensity-matched comparison in hemiarch replacement. *J Thorac Cardiovasc Surg* 2016;152(6):1559-69.e2.
 61. Kim J, Sun Z, **Englum BR**, Allori AC, Adibe OO, Rice HE, Tracy ET. Laparoscopy Is Safe in Infants and Neonates with Congenital Heart Disease: A National Study of 3684 Patients. *J Laparoendosc Adv Surg Tech A* 2016;26(10):836-9.
 62. Rialon KL, **Englum BR**, Gulack BC, Guevara CJ, Bhattacharya SD, Shapiro ML, Rice HE, Scarborough JE, Adibe OO. Comparative effectiveness of treatment strategies for severe splenic trauma in the pediatric population. *Am J Surg* 2016;212(4):786-93.
 63. Scarborough JE, Schumacher J, Pappas TN, McCoy CC, **Englum BR**, Agarwal SK, Jr., Greenberg CC. Which Complications Matter Most? Prioritizing Quality Improvement in Emergency General Surgery. *J Am Coll Surg* 2016;222(4):515-24.
 64. Schechter MA, Ganapathi AM, **Englum BR**, Speicher PJ, Daneshmand MA, Davis RD, Hartwig MG. Spontaneously Breathing Extracorporeal Membrane Oxygenation Support Provides the Optimal Bridge to Lung Transplantation. *Transplantation* 2016;100(12):2699-704.
 65. Schechter MA, Shah AA, **Englum BR**, Williams JB, Ganapathi AM, Davies JD, Welsby IJ, Hughes GC. Prolonged postoperative respiratory support after proximal thoracic aortic surgery: Is deep hypothermic circulatory arrest a risk factor? *J Crit Care* 2016;31(1):125-9.
 66. Schwann TA, Habib RH, Suri RM, Brennan JM, He X, Thourani VH, Engoren M, Ailawadi G, **Englum BR**, Bonnell MR, Gammie JS. Variation in Warfarin Use at Hospital Discharge After Isolated Bioprosthetic Mitral Valve Replacement: An Analysis of the Society of Thoracic Surgeons Adult Cardiac Surgery Database. *Chest* 2016;150(3):597-605.
 67. **Englum BR**, Hartwig MG. The wait for the waitlist: The next challenge in the lung allocation system. *J Heart Lung Transplant* 2017;36(3):250-2.
 68. **Englum BR**, Rialon KL, Kim J, Shapiro ML, Scarborough JE, Rice HE, Adibe OO, Tracy ET. Current use and outcomes of helicopter transport in pediatric trauma: a review of 18,291 transports. *J Pediatr Surg* 2017;52(1):140-4.
 69. Ezekian B, **Englum BR**, Gilmore BF, Kim J, Leraas HJ, Rice HE. Onychocryptosis in the Pediatric Patient. *Clin Pediatr (Phila)* 2017;56(2):109-14.

70. Ganapathi AM, Mulvihill MS, **Englum BR**, Speicher PJ, Gulack BC, Osho AA, Yerokun BA, Snyder LR, Davis D, Hartwig MG. Transplant Size Mismatch in Restrictive Lung Disease. *Transpl Int* 2017.
71. Talbot LJ, Sinyard RD, Rialon KL, **Englum BR**, Tracy ET, Rice HE, Adibe OO. Influence of weight at enterostomy reversal on surgical outcomes in infants after emergent neonatal stoma creation. *J Pediatr Surg* 2017;52(1):35-9.
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Book Chapters

1. **Englum BR**, Hopkins MB, Migaly J. Technical Challenges: Reoperative Surgery in Ross, H., Lee, S., Mutch, M., Rivadeneira, D. E., & Steele, S. (Eds.). (2014). *Minimally Invasive Approaches to Colon and Rectal Disease: Technique and Best Practices*. Springer, 2014.

Abstracts/Presentations

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12. Speicher PJ, **Englum BR**, Ganapathi AM, Onaitis MW, D'Amico TA, Berry MF. "Outcomes after treatment of locally advanced (T3N0-2) Non-Small Cell Lung Cancer: a population-based study of 17,378 patients". The 50th Annual Meeting of the Society of Thoracic Surgeons. Orlando, Florida. January 25-29, 2014.
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23. Ganapathi AM, Speicher PJ, **Englum BR**, Castleberry AW, Hsu DS, Mantyh CR. "Treatment of T1 Node Positive Colon Cancer: An Analysis of National Treatment Patterns." American Society of Colon and Rectal Surgeons Annual Meeting. Hollywood, Florida. May 17-21, 2014.
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 38. Sanoff S, Ravindra K, Patel U, **Englum B**, Schechter M, Vikraman D, Harris M, Ellis M, Sudan D, Irish W. Is the Risk of Acute Rejection Associated with the Use of Induction Immune Suppression? World Transplant Congress 2014. San Francisco, CA. July 26-31, 2014. *Am J Transplant* 2014:14:140.
 39. Schechter M, Englum B, Irish W, Sanoff S, Ravindra K, Vikraman D, Ellis M, Patel U, Sudan D. Resource Utilization for Kidney Transplantation From Time of Referral. World Transplant Congress 2014. San Francisco, CA. July 26-31, 2014. *Am J Transplant* 2014:14:247.
 40. Harskamp RE, Alexander JH, Hager R, **Englum B**, Schulte PJ, Peterson ED, Gibson CM, Califf RM, Ferguson TB, Lopes RD. "Predictors of and clinical outcomes after internal mammary artery graft failure: insights from the PREVENT-IV trial." Congress of the European Society of Cardiology. Barcelona, Spain. August 30-September 3, 2014. *Eur Heart J*. 2014, Sep; 35(S1): 1052-3.
 41. **Englum BR**, Ganapathi AM, Speicher PJ, Gulack BC, Kreissman SG, Driscoll TA, Rice HE. "Variation in care and outcomes among centers treating children with

- neuroblastoma.” American Academy of Pediatrics. San Diego, California. October 11-13, 2014.
42. **Englum BR**, Gulack BC, Rice HE, Scarborough JE, Adibe OO. “Management of Blunt Pancreatic Trauma of Children in the United States.” American Academy of Pediatrics. San Diego, California. October. 11-13, 2014.
 43. Gulack BC, Speicher PJ, **Englum BR**, Nussbaum DP, Ganapathi A, Scarborough JE, Blazer DG. “Poor outcomes following emergent surgery for bowel obstruction in patients with disseminated malignancy.” American College of Surgeons Annual Clinical Congress. San Francisco, CA. October 26-30, 2010. *J Am Coll Surgeons* 2014;219(4):e95-6.
 44. Rialon K, **Englum BR**, Gulack BC, Bhattacharya SD, Talbot L, Shapiro ML, Adibe OO, Rice HE, Scarborough JE. “Utilization of computed tomography in pediatric trauma: a comparison of trauma centers using the National Trauma Data Bank.” American College of Surgeons Annual Clinical Congress. San Francisco, CA. October 26-30, 2010. *J Am Coll Surgeons* 2014;219(4):e130.
 45. **Englum BR**, Schulte PJ, Gulack BC, Gibson CM, Lopes RD, Mack MJ, Ferguson TB, Harrington RA, Smith PK, Alexander JH. “The use of coronary artery bypass grafts in non-significant lesions: Is there harm to patients?” American Heart Association. Chicago, Illinois. November 15-19, 2014. *Circulation* 2014;130(Suppl 2):A15473.
 46. Brennan JM, O'Brien S, Milford-Beland S, Marinac-Dabic D, Rao S, Krucoff M, Normand S-L, Tsai T, Ross J, Nelson C, Canos DA, Eloff B, Sansing V, Torosyan Y, Xian Y, **Englum BR**, Ko L, Graham F, Peterson ED. “Comparison of Medicare Claims with Clinical Trial Outcomes for Follow-up of Older Individuals with Acute Coronary Syndrome.” *Circ Cardiovasc Qual Outcomes* 2014;7(Suppl 1):A26.
 47. **Englum BR**, Rice HE. “Hematologic Outcomes after Total Splenectomy and Partial Splenectomy for Congenital hemolytic Anemia.” 46th American Pediatric Surgical Association Meeting. Fort Lauderdale, Florida. April 30-May 3, 2015.
 48. **Englum BR**, Gulack BC, Rialon KL, Kim J, Talbot LJ, Adibe OO, Routh JC, Tracy ET, Rice HE. “Comparing oncologic outcomes after minimally invasive and open surgery for pediatric neuroblastoma and Wilms’ tumor.” American Academy of Pediatrics. Washington, DC. October. 24-27, 2015.
 49. **Englum BR**, Gulack BC, Rialon KL, Kim J, Talbot LJ, Adibe OO, Routh JC, Tracy ET, Rice HE. “Malignant pediatric tumors of the kidney: not always Wilms’ tumor.” American Academy of Pediatrics. Washington, DC. October. 24-27, 2015.
 50. Watson JA, **Englum BR**, Kim J, Adibe OO, Rice HE, Shapiro ML, Daneshmand MA, Tracy ET. Extracorporeal membrane oxygenation use in pediatric trauma: a report from the National Trauma Data Bank. American Pediatric Surgical Association Meeting 2016. San Diego, CA. May 15-17, 2016.
 51. **Englum BR**, Rialon KL, Kim J, Shapiro ML, Scarborough JE, Rice HE, Adibe OO, Tracy ET. “Current use and outcomes of helicopter transport in pediatric trauma: A review of 18, 291 transports.” American Pediatric Surgical Association Meeting 2016. San Diego, CA. May 15-17, 2016.

Manuscripts as investigator

1. Gillinov AM, Bagiella E, Moskowitz AJ, Raiten JM, Groh MA, Bowdish ME, Ailawadi G, Kirkwood KA, Perrault LP, Parides MK, Smith RL, 2nd, Kern JA, Dussault G,

- Hackmann AE, Jeffries NO, Miller MA, Taddei-Peters WC, Rose EA, Weisel RD, Williams DL, Mangusan RF, Argenziano M, Moquete EG, O'Sullivan KL, Pellerin M, Shah KJ, Gammie JS, Mayer ML, Voisine P, Gelijns AC, O'Gara PT, Mack MJ. Rate Control versus Rhythm Control for Atrial Fibrillation after Cardiac Surgery. *N Engl J Med* 2016;374(20):1911-21.
- Messé SR, Overbey JR, Thourani VH, Moskowitz AJ, Gelijns AC, Groh MA, Mack MJ, Ailawadi G, Furie KL, Southerland AM, James ML, Moy CS, Gupta L, Voisine P, Perrault LP, Bowdish ME, Gillinov AM, O'Gara PT, Ouzounian M, Whitson BA, Mullen JC, Miller MA, Gammie JS, Pan S, Erus G, Browndyke JN. The impact of perioperative stroke and delirium on outcomes after surgical aortic valve replacement. *J Thorac Cardiovasc Surg.* 2022.

Major Invited Speeches

Local

- Englum BR.** *How do Surgeons Stack Up? Public Reporting from Surgeon Scorecards to STS Quality Ratings*, Grand Rounds, Duke University SOM Dept. of Surgery, Durham, MD, 2017
- Englum BR.** *Leveraging Big Data: Fixing small sample size in small patients*, Research Retreat, UMSOM Dept. of Surgery, Baltimore, MD, 2020
- Englum BR.** *Anorectal Malformations: Types, surgeries, and what happens next for these patients*, Grand Rounds, Mercy Medical Center Dept. of Pediatrics, Baltimore, MD, 2021
- Englum BR.** *Eliminating the data free zone: How to study rare pediatric cancer*, Grand Rounds, UMSOM Dept. of Surgery, Baltimore, MD, 2021
- Englum BR.** *COVID-19 related disruptions in the diagnosis of new cancers: Disparities in care utilization and patient outcomes*, UMSOM Health Equity and Population Health All-Member Meeting, Baltimore, MD, 2022
- Englum BR.** *Pediatric Surgery Update: Recent Randomized Clinical Trials*, Maryland Chapter of the American College of Surgeons Meeting, Baltimore, MD, 2023

LEADERSHIP EXPERIENCE AND COMMUNITY ACTIVITIES

Physician Assistant Instructor, Durham, NC

2012-2014

- Developed curriculum, presented lectures, lead class discussions and hands on surgical activities for PA students during their surgery course

Spanish Clinic Volunteer, East Baltimore Medical Clinic, Baltimore, MD

2007-2009

- Worked as a translator and a supervised clinician in a predominantly Spanish-speaking free-clinic

DreamWorks Academy Mentor, Collington Elementary, Baltimore, MD

2006-2008

- Mentored 10-year-old youth in after-school program, with a focus on confidence building and character development

Little League Coach, Roland Park Little League, Baltimore, MD

2007

- Coached and mentored the 9- and 10-year-old Roland Park Shamrocks baseball team

Peace Corps Volunteer, Benin, West Africa

2003-2005

- Community Health Organizer –conceived, organized, and supported various health programs including:
 - Village-based latrine construction
 - School-based and community-based HIV/AIDS awareness and education
 - Regional polio vaccination campaign
 - Village-based maternal and infant health monitoring and education
- Volunteer Trainer –trained and mentored incoming Peace Corps volunteers as they experienced a new culture, language, and lifestyle

Team Captain, Indiana Univ. Men’s Rugby Team, Bloomington, IN **2001-2003**

- Served as team leader, assistant coach, and link between players, coaches, and referees for nationally ranked rugby team
- Collegiate All-American Team, 2000

LANGUAGE PROFICIENCY

French –fluent

Spanish –functional

Baatonum –functional