**CURRICULUM VITAE AND BIBLIOGRAPHY**

**NAME:** Natalie Atkinson Drucker, MD, MS

**PRESENT TITLE(S):** Staff Physician

**WORK ADDRESS:** McGovern Medical School at the University of Texas Health Science Center at Houston (UTHealth Houston)

6431 Fannin Street, MSB 5.258

Houston, TX 77030

**UNDERGRADUATE EDUCATION:**

08/2006-05/2010 University of Pennsylvania, Philadelphia, PA

Bachelor of Arts, Chemistry, Psychology

**GRADUATE EDUCATION:**

08/2010-05/2014 University of Florida, Gainesville, FL

Doctorate of Medicine

08/2016-05/2018 Indiana University, Indianapolis, IN

Masters of Science

**POSTGRADUATE TRAINING:**

07/2014-06/2021 General Surgery Resident

Indiana University School of Medicine, Indianapolis, IN

07/2016-06/2018 Postdoctoral Research Fellow

Indiana University School of Medicine, Indianapolis, IN

08/2021-07/2023 Pediatric Surgery Fellow

McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX

**ACADEMIC & ADMINISTRATIVE APPOINTMENTS:**

09/2023-Present Staff Physician (Surgical Critical Care Fellow), Department of Pediatric Surgery, McGovern Medical School at the University of Texas Health Science Center at Houston (UTHealth Houston), Houston, TX

**HOSPITAL APPOINTMENTS:**

2023-Present Memorial Hermann/Children’s Memorial Hermann Hospital

2023-Present Lyndon B. Johnson General Hospital, Harris County Hospital District

2023-Present The Woman’s Hospital of Texas & Fannin Surgicare Center

**LICENSURE:**

08/2021-07/2023 Texas Medical Board, Physician-In-Training #BP10074111

05/2023-Present Texas Medical Board, Full Medical License #U4188

**CERTIFICATION:**

American Board of Surgery – General Surgery #073090

Basic Life Support (BLS)

Advanced Cardiovascular Life Support (ACLS)

Pediatric Advanced Life Support (PALS)

**PROFESSIONAL ORGANIZATIONS:**

**National:**

2013-Present American College of Surgeons

2016-Present Association of Women in Surgery

2016-Present Association for Academic Surgery

2017-Present American Pediatric Surgical Association

**HONORS AND AWARDS:**

2009 Eli Lilly and American Chemical Society Travel Scholarship

2011 University of Florida Excellence in Anatomy Dissection Award

2013 Alpha Omega Alpha Honor Medical Society

2014 ACS Florida Chapter Ambrose Pare Award for Excellence in Surgery

2014 UF Award for Excellence in Medical Student Education

2016 IU Resident Award for Excellence in Medical Student Education

2017 IU Resident Research Day - Best Basic Science Presentation

2018 ACS Indiana Chapter Carl H. McCaskey Award for Best Sub-Specialty Presentation

**PUBLICATIONS:**

1. **Abstracts**
   1. **Drucker NA**, Jensen A, Khaneki S, Ferkowicz M, Markel TA. “Hydrogen Sulfide Protects the Intestine in a Murine Model of Necrotizing Enterocolitis.” J Am Coll Surg, 2017.
   2. **Drucker NA**, Winkel JP, Markel TA. “Inhibiting Hydrogen Sulfide Production in Stem Cells Reduces Their Protective Effects during Experimental Necrotizing Enterocolitis.” J Am Coll Surg, 2018.
   3. Green L, Wang SK, Gutwein AR, **Drucker NA**, Babbey CC, Motaganahalli RL, Fajardo AC, Murphy MP. “MSCs Induce Regulatory Tr1 Cells and Mitigate Inflammation in Abdominal Aortic Aneurysm.” Circulation, 2018.
   4. Wang SK, Gutwein AR, **Drucker NA**, Murphy MP, Fajardo A, Dalsing MC, Motaganahalli RL, Lemmon GW. “Cryopreserved Homografts in Infected Infrainguinal Fields are Associated with Frequent Reinterventions and Poor Amputation Free Survival.” Annals of Vascular Surgery, 2018.
   5. Hosfield BD, **Drucker NA**, Shelley WC, Li H, Markel TA. “Sildenafil Attenuates the Severity of Intestinal and Lung Injury in Necrotizing Enterocolitis.” Shock, 2019.
2. **Refereed Original Articles in Journals**
   1. Valenta P, **Drucker NA**, Bode JW, and Walsh PJ. "Simple One-pot Conversion of Aldehydes and Ketones to Enals." Organic Letters, 2009. PMID: 19419211.
   2. Valenta P, **Drucker NA**, Bode JW, Walsh PJ. “Simple One-Pot Conversion of Aldehydes and Ketones into Enals.” Synfacts, 2009(7): 0783-0783. DOI: 10.1055/s-0029-1217261.
   3. Valenta P, **Drucker NA**, and Walsh PJ. "Enals via a Simple Two-Carbon Homologation of Aldehydes and Ketones." Organic Syntheses, 89:527-536. DOI:10.15227/orgsyn.089.0527, 2012. <http://orgsyn.org/demo.aspx?prep=v89p0527>
   4. Jensen AR, Manning MM, Khaneki S, **Drucker NA**, Markel TA. “Harvest Tissue Source Does Not Alter the Protective Power of Stromal Cell Therapy Following Intestinal Ischemia and Reperfusion Injury.” J Surg Res 2016 Aug;204(2):361-370. doi: 10.1016/j.jss.2016.05.006. Epub 2016 May 11. PMID: 27565072.
   5. Wang SK, **Drucker NA**, Motaganahalli RL, Gupta AK, Fajardo AC. “Fenestrated Aortic Endografts in the Last 3 Years: An Update.” Curr Surg Rep 4, 39 (2016) Oct. https://doi.org/10.1007/s40137-016-0159-9.
   6. Jensen AR, **Drucker NA**, Khaneki S, Ferkowicz M, Markel TA. “Hydrogen sulfide improves intestinal recovery following ischemia by endothelial nitric oxide-dependent mechanisms”. Am J Physiol Gastrointest Liver Physiol. 2017 May 1;312(5):G450-G456. doi: 10.1152/ajpgi.00444.2016. Epub 2017 Mar 9. PMID: 28280145.
   7. Khaneki S, Jensen AR, **Drucker NA**, Markel TA. “Direct Peritoneal Resuscitation Improves Mesenteric Perfusion by Nitric Oxide Dependent Pathways.” J Surg Res 2017 Jun 1;213:274-280. doi: 10.1016/j.jss.2017.02.060. Epub 2017 Mar 4. PMID: 28601326.
   8. Wang SK, **Drucker NA**, Gupta AK, Marshalleck FE, Dalsing MC. “Diagnosis and Management of the Venous Malformations in Klippel-Trenaunay Syndrome.” J Vasc Surg Venous Lymphat Disord 2017 Jul;5(4):587-595. doi: 10.1016/j.jvsv.2016.10.084. PMID: 28624001.
   9. **Drucker NA**, Gray BW, Askegard-Giesmann J. “Virilization and abdominal mass in a newborn female: A case report.” Journal of Pediatric Surgery Case Reports (2017) July, 22, 50-52. doi:10.1016/j.epsc.2017.05.006.
   10. Jensen AR, **Drucker NA**, Khaneki S, Ferkowicz MJ, Yoder MC, DeLeon ER, Olson KR, Markel TA. “Hydrogen Sulfide: A Potential Novel Therapy for the Treatment of Ischemia.” Shock 2017 Nov;48(5):511-524. doi: 10.1097/SHK.0000000000000894. PMID: 28498298.
   11. **Drucker NA**, McDuffie L, Groh E, Hackworth J, Bell TM, Markel TA. “Physical Examination is the Best Predictor of Need for Abdominal Surgery in Children Following Motor Vehicle Collision.” J Emerg Med 2018 Jan;54(1):1-7. doi: 10.1016/j.jemermed.2017.08.008. Epub 2017 Nov 6. PMID: 29107481.
   12. Wang SK, Green LA, Gutwein AR, **Drucker NA**, Motaganahalli RL, Fajardo A, Babbey CC, Murphy MP. “Rationale and Design of the ARREST Trial Investigating Mesenchymal Stem Cells in the Treatment of Small Abdominal Aortic Aneurysm.” Ann Vasc Surg 2018 Feb;47:230-237. doi: 10.1016/j.avsg.2017.08.044. Epub 2017 Sep 13. PMID: 28916304.
   13. **Drucker NA**, McCulloh CJ, Li B, Pierro A, Besner GE, Markel TA. “Stem Cell Therapy in Necrotizing Enterocolitis: Current State and Future Directions.” Semin Pediatr Surg 2018 Feb;27(1):57-64. doi: 10.1053/j.sempedsurg.2017.11.011. Epub 2017 Nov 7. PMID: 29275819.
   14. Jensen AR, Renaud E, **Drucker NA**, Staszak J, Senay A, Umesh V, Williams RF, Markel TA. “Why wait? Early Enteral Feeding After Pediatric Gastrostomy Tube Placement.” J Pediatr Surg 2018 Apr;53(4):656-660. doi: 10.1016/j.jpedsurg.2017.06.015. Epub 2017 Jun 27. PMID: 28689884.
   15. Jensen AR, **Drucker NA**, Ferkowicz MJ, Markel TA. “Umbilical Mesenchymal Stromal Cells Provide Intestinal Protection through Nitric Oxide Dependent Pathways.” J Surg Res 2018 Apr;224:148-155. doi: 10.1016/j.jss.2017.11.068. Epub 2017 Dec 28. PMID: 29506832.
   16. Wang SK, Lemmon GW, **Drucker NA**, Motaganahalli RL, Dalsing MC, Gutwein AR, Gray BW, Murphy MP. “Results of Nonoperative Management of Acute Limb Ischemia in Infants.” J Vasc Surg 2018 May ;67(5):1480-1483. doi: 10.1016/j.jvs.2017.09.036. Epub 2017 Dec 8. PMID: 29224940.
   17. Wang SK, Gutwein AR, **Drucker NA**, Murphy MP, Fajardo A, Dalsing MC, Motaganahalli RL, Lemmon GW. “Cryopreserved Homografts in Infected Infrainguinal Fields are Associated with Frequent Reinterventions and Poor Amputation-Free Survival.” Ann Vasc Surg 2018 May;49:24-29. doi: 10.1016/j.avsg.2017.10.032. Epub 2018 Feb 5. PMID: 29421428.
   18. **Drucker NA**, Jensen AR, te Winkel JP, Ferkowicz MJ, Markel TA. “Loss of Endothelial Nitric Oxide Synthase Exacerbates Intestinal and Lung Injury in Experimental Necrotizing Enterocolitis.” J Pediatr Surg 2018 Jun;53(6):1208-1214. doi: 10.1016/j.jpedsurg.2018.02.087. Epub 2018 Mar 8. PMID: 29618412.
   19. Jensen AR, **Drucker NA**, te Winkel JP, Ferkowicz MJ, Markel TA. “The Route and Timing of Hydrogen Sulfide Therapy Critically Impacts Intestinal Recovery Following Ischemia and Reperfusion Injury.” J Pediatr Surg 2018 Jun;53(6):1111-1117. doi: 10.1016/j.jpedsurg.2018.02.072. Epub 2018 Mar 6. PMID: 29622397.
   20. Wang SK, Green LA, **Drucker NA**, Motaganahalli RL, Fajardo A, Murphy MP. “Rationale and Design of the Clinical and Histologic Analysis of Mesenchymal Stromal Cells in AmPutations (CHAMP) Trial Investigating the Therapeutic Mechanism of Mesenchymal Stromal Cells in the Treatment of Critical Limb Ischemia.” J Vasc Surg 2018 Jul;68(1):176-181.e1. doi: 10.1016/j.jvs.2017.09.057. Epub 2018 Feb 1. PMID: 29395424.
   21. Wang SK, Green LA, Gutwein AR, **Drucker NA**, Babbey CM, Gupta AK, Fajardo A, Motaganahalli RL, Wilson MG, Murphy MP. “Perioperative Outcomes are Adversely Affected by Poor Pretransfer Adherence to Acute Limb Ischemia Practice Guidelines.” Ann Vasc Surg 2018 Jul;50:46-51. doi: 10.1016/j.avsg.2017.11.050. Epub 2018 Feb 23. PMID: 29477682.
   22. Wang SK, Murphy MP, Gutwein AR, **Drucker NA**, Dalsing MC, Motaganahalli RL, Lemmon GW, Akingba AG. “Ethnic Minorities with Critical Limb Ischemia Derive Equal Amputation Risk Reduction from Autologous Cell Therapy Compared to Whites.” J Vasc Surg 2018 Aug;68(2):560-566. doi: 10.1016/j.jvs.2017.11.088. Epub 2018 Mar 1. PMID: 29503004.
   23. Wang SK, Green LA, Gutwein AR, **Drucker NA**, Motaganahalli RL, Gupta AK, Fajardo A, Murphy MP. “Description of Human AAA by Cytokine and Immune Cell Aberrations Compared to Risk-Factor Matched Controls.” Surgery 2018 Aug;164(2):354-358. doi: 10.1016/j.surg.2018.03.002. Epub 2018 Apr 30. PMID: 29716755.
   24. **Drucker NA**, Jensen AR, Ferkowicz MJ, te Winkel JP, Markel TA. “Hydrogen Sulfide Provides Intestinal Protection during a Murine Model of Experimental Necrotizing Enterocolitis.” J Pediatr Surg 2018 Sep; 53(9):1692-1698. doi: 10.1016/j.jpedsurg.2017.12.003. Epub 2017 Dec 24. PMID: 29338840.
   25. **Drucker NA**, Marine MB, Rescorla FJ. “Gastric Pneumatosis: An Unusual Presentation of Superior Mesenteric Artery Syndrome.” Journal of Pediatric Surgery Case Reports (2018) Sep, 36, 25–27. https://doi.org/10.1016/j.epsc.2018.06.014
   26. Wang SK, **Drucker NA**, Sawchuk AP, Lemmon GW, Dalsing MC, Motaganahalli RL, Murphy MP, Fajardo A. “Use of the Zenith Fenestrated Platform to Rescue Failing Endovascular and Open Aortic Reconstructions is Safe and Technically Feasible.” J Vasc Surg 2018 Oct;68(4):1017-1022. doi: 10.1016/j.jvs.2018.01.038. Epub 2018 May 18. PMID: 29784569.
   27. Wang SK, **Drucker NA**, Dalsing MC, Sawchuk AP, Gupta A, Motaganahalli R, Murphy MP, Fajardo A. “Adjunctive Visceral Artery Chimney in Patients Undergoing Zenith Fenestrated Aortic Repair.” J Vasc Surg 2018 Dec;68(6):1688-1695. doi: 10.1016/j.jvs.2018.03.421. PMID: 29929822.
   28. **Drucker NA**, Jensen AR, te Winkel JP, Markel TA. “Hydrogen Sulfide Donor GYY4137 Acts Through Endothelial Nitric Oxide to Protect Intestine in Murine Models of Necrotizing Enterocolitis and Intestinal Ischemia.” J Surg Res 2019 Feb;234:294-302. doi: 10.1016/j.jss.2018.08.048. Epub 2018 Oct 23. PMID: 30527488.
   29. **Drucker NA**, Wang SK, Newton C. “Pediatric Trauma-Related Coagulopathy, Balanced Resuscitation, Goal-Directed Therapy and Viscoelastic Assays.” Semin Pediatr Surg 2019 Feb;28(1):61-66. doi: 10.1053/j.sempedsurg.2019.01.011. Epub 2019 Jan 23. PMID: 30824137.
   30. **Drucker NA**, Wang SK, Raymond JL, Rouse TM, Fajardo A, Lemmon GW, Dalsing MC, Gray BW. “Long-Term Outcomes after Pediatric Peripheral Revascularization Secondary to Trauma at an Urban Level One Center.” J Vasc Surg 2019 Mar; 69(3):857-862. doi: 10.1016/j.jvs.2018.07.029. Epub 2018 Oct 3. PMID: 30292605.
   31. **Drucker NA**, te Winkel JP, Shelley WC, Olson KR, Markel TA. “Inhibiting Hydrogen Sulfide Production in Stem cells Reduces Their Protective Effects During Experimental Necrotizing Enterocolitis.” J Pediatr Surg 2019 Jun;54(6):1168-1173. doi: 10.1016/j.jpedsurg.2019.02.037. Epub 2019 Mar 1. PMID: 30879750.
   32. te Winkel, JP, **Drucker NA**, Morocho B, Shelley WC, Markel TA. “Interleukin-6 Therapy Improves Intestinal Recovery Following Ischemia.” J Surg Res 2019 Jul;239:142-148. doi: 10.1016/j.jss.2019.02.001. Epub 2019 Mar 1. PMID: 30826565.
   33. **Drucker NA**, Blaibel MF, Nagaraju S, Wang SK, Goggins W, Fajardo A. “Renal Autotransplantation and Celiac Artery Bypass for Aneurysmal Degeneration Related to Neurofibromatosis Type 1.” Vasc Endovascular Surg 2019 Aug;53(6):497-500. doi: 10.1177/1538574419846711. Epub 2019 May 1. PMID: 31043138.
   34. te Winkel JP, John Q, Hosfield B, **Drucker NA**, Das A, Olson K, Markel TA. “Mesenchymal Stem Cells Promote Mesenteric Vasodilation Through Hydrogen Sulfide and Endothelial Nitric Oxide.” Am J Physiol Gastrointest Liver Physiol 2019 Oct 1;317(4):G441-G446. doi: 10.1152/ajpgi.00132.2019. Epub 2019 Jul 25. PMID: 31343254.
   35. Wang SK, Miladore JN, **Drucker NA**, Fajardo A, Lemmon GW, Dalsing MC, Murphy MP, Motaganahalli RL. “Procedural Complexity of TransCarotid Artery Revascularization (TCAR) is not Increased in Irradiated and Reoperative Necks.” Ann Vasc Surg 2019 Nov;61:212-217. doi: 10.1016/j.avsg.2019.05.063. Epub 2019 Aug 5. PMID: 31394232.
   36. Moore HM, **Drucker NA**, Hosfield BD, Shelley WC, Markel TA. “Sildenafil as a Rescue Agent Following Intestinal Ischemia and Reperfusion Injury.” J Surg Res 2020 Feb;246:512-518. doi: 10.1016/j.jss.2019.09.037. Epub 2019 Oct 17. PMID: 31630883.
   37. **Drucker NA**, Wang SK, Puzio T, Goze K, Kim B, Nakeeb A. “Emergent Pancreaticoduodenectomy for Duodenum to Superior Mesenteric Vein Fistulation.” Am Surg 2020 Feb 1;86(2):e61-e63. PMID: 32167054.
   38. Khan FA, **Drucker NA**, Larson SD, Taylor JA, Islam S. “Pediatric Earlobe Keloids: Outcomes and Patterns of Recurrence.” J Pediatr Surg 2020 Mar;55(3):461-464. doi: 10.1016/j.jpedsurg.2019.07.006. Epub 2019 Jul 24. PMID: 31383580.
   39. Jensen AR, **Drucker NA**, Olson KR, Markel TA. “Stem Cell Therapy and Hydrogen Sulfide: Conventional or Non-Conventional Mechanisms of Action?” Shock 2020 Jun;53(6):737-743. doi: 10.1097/SHK.0000000000001420. PMID: 31348146.
   40. Olson KR, Gao Y, DeLeon ER, Markel TA, **Drucker NA**, Boone DL, Whiteman ML, Tessier CR, Stahelin RV. “Extended Hypoxia-Mediated H2S Production Provides for Long-Term Oxygen Sensing.” Acta Physiol (Oxf) 2020 Mar;228(3):e13368. doi: 10.1111/apha.13368. Epub 2019 Sep 18. PMID: 31442361.
   41. **Drucker NA**, Wang SK, Markel TA, Landman MP, Gray BW. “Practice Patterns in ECMO Cannulation: A Survey of the American Pediatric Surgical Association.” J Pediatr Surg 2020 Aug;55(8):1457-1462. doi: 10.1016/j.jpedsurg.2019.11.010. Epub 2019 Nov 29. PMID: 31837841.
   42. Markel TA, **Drucker NA**, Jensen AR, Olson KR. “Human Mesenchymal Stem Cell Hydrogen Sulfide Production Critically Impacts the Release of Other Paracrine Mediators Following Injury.” J Surg Res 2020 Oct;254:75-82. doi: 10.1016/j.jss.2020.04.014. Epub 2020 May 15. PMID: 32417499.
   43. Wang SK, Severance S, Troja W, **Drucker NA**, Gray BW, Rouse TM, Dalsing MC, Maijub JG. Operative Traumatic Aortic Injuries at an Urban Pediatric Hospital. Am Surg. 2021 Jun;87(6):965-970. doi: 10.1177/0003134820966272. Epub 2020 Dec 8. PMID: 33291946.
   44. Hosfield BD, **Drucker NA**, Pecoraro AR, Shelley WC, Li H, Baxter NT, Hawkins TB, Markel TA. The assessment of microbiome changes and fecal volatile organic compounds during experimental necrotizing enterocolitis. J Pediatr Surg. 2021 Jun;56(6):1220-1225. doi: 10.1016/j.jpedsurg.2021.02.043. Epub 2021 Feb 24. PMID: 33745738.
   45. Hosfield, BD, Hunter CE, Li H, **Drucker NA**, Pecoraro AR, Manohar K, Shelley WC, Markel TA. “A hydrogen-sulfide derivative of mesalamine reduces the severity of intestinal and lung injury in necrotizing enterocolitis through endothelial nitric oxide synthase.” Am J Physiol Regul Integr Comp Physiol 2022 Oct 1;323(4):R422-R431. doi: 10.1152/ajpregu.00229.2021. Epub 2022 Aug 1. PMID: 35912999.
   46. Park Y, **Drucker NA**, Gray BW. Device updates in pediatric and neonatal ECMO. Semin Pediatr Surg. 2023 Aug;32(4):151334. doi: 10.1016/j.sempedsurg.2023.151334. Epub 2023 Oct 21. PMID: 37925997.
   47. **Drucker NA**, Cox CS Jr. Adult presentation of congenital tracheooesophageal fistula treated as asthma and recurrent respiratory infections. Lancet. 2023 Dec 16;402(10419):2326-2327. doi: 10.1016/S0140-6736(23)02568-0. PMID: 38103939.
3. **Chapters**
   1. **Drucker NA**, Wang SK, Dalsing MC. “Arterial Thrombosis.” Pediatric Surgery NotATextbook, 2019.
   2. **Drucker NA**, Wang SK, Dalsing MC. “Central Venous Stenosis.” Pediatric Surgery NotATextbook, 2019.
   3. **Drucker NA**, Wang SK, Dalsing MC. “Dialysis Access.” Pediatric Surgery NotATextbook, 2019.
   4. **Drucker NA**, Wang SK, Dalsing MC. “Venous Thromboembolism.” Pediatric Surgery NotATextbook, 2019.
   5. Wang SK, **Drucker NA**, Motaganahalli RL. “Thrombolytic Therapy for Lower Extremity Occlusive Disease.” Surgical Council on Resident Education (SCORE), 2019.
4. **Other Professional Communications**
   1. **Presentations (local, regional, national, international)**
      1. **Drucker NA**, Valenta P, Walsh PJ. “Simple One-pot Conversion of Aldehydes and Ketones to Enals.” Eli Lilly and Company Research Competition, 2009.
      2. **Drucker NA**, Larson SD, Kays DW, Taylor JA, Islam S. “Management and Outcomes of Earlobe Keloids in Children.” Podium presentation at Talbert Lectures in Pediatric Surgery, 2014.
      3. **Drucker NA**, Larson SD, Kays DW, Taylor JA, Islam S. “Management and Outcomes of Earlobe Keloids in Children.” Podium presentation at Academic Surgical Congress, 2015.
      4. **Drucker NA**, Jensen AR, Khaneki S, Markel TA. “Hydrogen Sulfide Attenuates Intestinal Ischemia/Reperfusion Injury.” Podium presentation at Indiana University Sigma Xi Graduate Student Research Competition, 2016.
      5. **Drucker NA**, Jensen AR, Khaneki S, Ferkowicz MJ, Markel TA. “Extended-Release Hydrogen Sulfide Donor is Protective in Murine Model of Necrotizing Enterocolitis.” Poster presentation at NEC Symposium at UC Davis, 2017.
      6. **Drucker NA**, Jensen AR, Ferkowicz MJ, Markel TA. “Hydrogen Sulfide is Protective in Experimental Necrotizing Enterocolitis through Nitric Oxide-Dependent Pathways.” Podium presentation at IU Surgery Resident Research Day, 2017.
      7. **Drucker NA**, Jensen AR, Ferkowicz MJ, Markel TA. “Mesenchymal Stem Cell Hydrogen Sulfide Production Critically Impacts Release of Other Paracrine Mediators Following Injury.” Poster presentation at Section on Surgery at American Academy of Pediatrics National Conference, 2017.
      8. **Drucker NA**, Jensen AR, Ferkowicz MJ, Markel TA. “Loss of Endothelial Nitric Oxide Synthase Exacerbates Intestinal Injury and Systemic Inflammation in Experimental Necrotizing Enterocolitis.” Podium presentation at Section of Surgery at American Academy of Pediatrics National Conference, 2017.
      9. **Drucker NA**, Jensen AR, Ferkowicz MJ, Markel TA. “Hydrogen Sulfide Protects the Intestine in a Murine Model of Necrotizing Enterocolitis.” Podium presentation at American College of Surgeons Scientific Forum, 2017.
      10. **Drucker NA**, Jensen AR, te Winkel JP, Markel TA. “Hydrogen Sulfide Donor GYY4137 Protects Intestine Through Endothelial Nitric Oxide Dependent Pathways.” Podium presentation at Academic Surgical Congress, 2018.
      11. **Drucker NA**, te Winkel JP, Shelley WC, Markel TA. “Hydrogen Sulfide Donor GYY4137 Acts through Endothelial Nitric Oxide to Protect the Intestine in Experimental Necrotizing Enterocolitis.” Podium presentation at the Indiana Chapter of the American College of Surgeons, 2018.
      12. **Drucker NA**, te Winkel JP, Markel TA. “Inhibiting Hydrogen Sulfide Production in Stem Cells Reduces Their Protective Effects During Experimental Necrotizing Enterocolitis.” Oral poster presentation at American Pediatric Surgical Association Annual Meeting, 2018.
      13. **Drucker NA**, te Winkel JP, Markel TA. “Inhibiting Hydrogen Sulfide Production in Stem Cells Reduces Their Protective Effects During Experimental Necrotizing Enterocolitis.” Podium presentation at IU Surgery Resident Research Day, 2018.
      14. **Drucker NA**, te Winkel JP, Markel TA. “Inhibiting Hydrogen Sulfide Production in Stem Cells Reduces Their Protective Effects During Experimental Necrotizing Enterocolitis.” Podium presentation at American College of Surgeons Scientific Forum, 2018.
      15. **Drucker NA**, te Winkel JP, Markel TA. “Inhibition of Hydrogen Sulfide within Stem Cells Reduces their Pulmonary Protective Effects during Experimental Necrotizing Enterocolitis.” Podium presentation at Rosenkrantz Section on Surgery at American Academy of Pediatrics National Conference, 2018.
      16. **Drucker NA**, Markel TA, Landman MP, Gray BW. “Practice Patterns in Peripheral ECMO Cannulation.” Podium Presentation at Rosenkrantz Section on Surgery at the American Academy of Pediatrics National Conference, 2018.
      17. **Drucker NA**, Puzio, T, Goze K, Nakeeb A. “Emergent Pancreaticoduodenectomy for Duodenal Crohn’s Disease.” Interesting case presentation at Indiana Chapter of the American College of Surgeons, 2019.