

CURRICULUM VITAE
Melissa E. Hogg, MD MS

BIOGRAPHICAL

Name:	Melissa E. Hogg	Birth Date:	7/12/1978
Business Address:	Department of Surgery Walgreens Bldg: 2 nd Fl 2650 Ridge Ave Evanston, IL 60201	Birth Place	Iowa City, Iowa
Business Fax:	847-570-2930	Citizenship:	USA
Business Phone:	847-570-4102	E-Mail Address:	MHogg@Northshore.org

EDUCATION and TRAINING

UNDERGRADUATE:

<i>Dates Attended</i>	<i>Name and Location of Institution</i>	<i>Degree Received and Year</i>	<i>Major/Subject</i>
1996-2000	University of Notre Dame Notre Dame, IN	B.S.	Biochemistry
1996-2000	University of Notre Dame Notre Dame, IN	B.A.	Film and Television Communications

GRADUATE:

<i>Dates Attended</i>	<i>Name and Location of Institution</i>	<i>Degree Received and Year</i>	<i>Major/Subject</i>
2000-2004	Northwestern University Chicago, IL Feinberg School of Medicine	M.D.	Medicine
2012-2013	University of Pittsburgh Pittsburgh, PA Institute of Clinical Research		Clinical Research Certificate
2013-2015	University of Pittsburgh Pittsburgh, PA Institute of Clinical Research	M.S.	Medical Education Masters

POST MEDICAL SCHOOL TRAINING

<i>Dates Attended</i>	<i>Name and Location of Institution</i>	<i>Name of Program Director and Discipline</i>
06/04-06/05	Internship McGaw Medical Center of Northwestern University Chicago, IL	Dr. Richard Bell General Surgery
06/05-06/07	Junior Resident McGaw Medical Center of Northwestern University Chicago, IL	Dr. Richard Bell General Surgery
06/07-06/09	Research Fellow McGaw Medical Center of Northwestern University Chicago, IL	Dr. Melina Kibbe General Surgery IBNAM Institute of BioNanotechnology in Medicine
06/09-06/11	Senior Resident McGaw Medical Center of Northwestern University Chicago, IL	Dr. Nat Soper General Surgery
06/11-06/13	Surgical Oncology Fellow University of Pittsburgh Pittsburgh, PA	Dr. David Bartlett Surgical Oncology

APPOINTMENTS and POSITIONS

ACADEMIC:

<i>Years Inclusive</i>	<i>Name and Location of Institution</i>	<i>Rank /Title or Position</i>
8/2013-8/2018	University of Pittsburgh School of Medicine Pittsburgh, PA	Assistant Professor, GI Surgical Oncology Division
8/2018- Present	University of Pittsburgh School of Medicine Pittsburgh, PA	Adjunct Professor
Curriculum Vita 8/13/2019		Melissa E Hogg, MD Assistant Professor of Surgery Page 2

11/2014-8/2018	Veterans Affairs Hospital Pittsburgh, PA	CoC Liaison Physician
8/2018 - Present	Northshore University Healthsystem	Director of HPB Surgery Director of Robotic Training for Grainger Lab

CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION:

<i>Certifying Board</i>	<i>Year</i>
American Board of Surgery General Surgery	2011
American Board of Surgery Complex General Surgical Oncology	2015

MEDICAL or OTHER PROFESSIONAL LICENSURE

<i>Organization</i>	<i>Year</i>
Illinois	6/2004-7/2014 8/2018-Present
Pennsylvania	3/2011-12/2018

MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES

<i>Organization</i>	<i>Year</i>
Alpha Omega Alpha Medical Honor Society	2003
American College of Surgeons	2006
Association of Women Surgeons	2006
American Medical Association	2007
Association of Academic Surgery	2007

Society of Surgical Oncology	2011
American Hepatico-Pancreato-Biliary Association	2012
Association of Women Surgeons	2013
Society of Gastrointestinal and Endoscopic Surgery Association	2013
Pancreas Club	2014
Academy of Surgical Education	2015
Fellowship Council	2017
Society of University Surgeons	2018
Society of Surgeons of the Alimentary Track	2018
International Minimally Invasive Pancreas Surgery	2019

HONORS AND AWARDS

National Hispanic Scholarship Fund Scholar	1996-1997
Lulac Scholar	1996-1997
US Hispanic Leadership Outstanding College Scholar	1997-1998
Alpha Epsilon Delta, Premedical Honor Society	1998
Senator Lugar Scholar	1996-2000
Notre Dame Scholar	1996-2000
Notre Dame Dean's List	1996-2000
Morgan Stanley's Richard B. Fisher Scholar	1998-2000
Film and Television Communications Outstanding Student Award	2000
Magna Cum Laude, University of Notre Dame, BS Pre-Professional Studies	2000
Summa Cum Laude, University of Notre Dame, BA Film and Television Communications	2000
Northwestern Medical School Scholarship	2000-2001

Alpha Omega Alpha Medical Honor Society	2003
Society of Vascular Surgery Resident Scholarship	2007
Association of VA Surgeons “Best Basic Science Presentation”	2008
Midwestern Vascular Society Resident Travel Award	2008
Association of VA Surgeons “Best Overall Presentation”	2009
Academic Surgical Congress – 3 rd Place Presentation Quick-Shot Division	2010
Kanavel Surgical Scientist Award	2010
Resident as Teacher Award	2011
Edelstone-Bendix: Chief Resident Best Research Presentation	2011
VHL Symposium Travel Award	2012
Innovation in Medical Education Award	2015
UPMC Patient Care Award	2016

PUBLICATIONS

Peer Reviewed Articles (Most Recent First):

1. Boisen ML, McQuaid AJ, Esper SA, Holder-Murray J, Zureikat AH, **Hogg ME**, Paronish J, Subramaniam K. Intrathecal Morphine Versus Nerve Blocks in an Enhanced Recovery Pathway for Pancreatic Surgery. *J Surg Res.* 2019 Jul 3;244:15-22. doi: 10.1016/j.jss.2019.05.049. [Epub ahead of print] PubMed PMID: 31279259.
2. Cai J, Ramanathan R, Zenati MS, Al Abbas A, **Hogg ME**, Zeh HJ, Zureikat AH. Robotic Pancreaticoduodenectomy Is Associated with Decreased Clinically Relevant Pancreatic Fistulas: a Propensity-Matched Analysis. *J Gastrointest Surg.* 2019 Jul 2;. doi: 10.1007/s11605-019-04274-1. [Epub ahead of print] PubMed PMID: 31267434.
3. Beane JD, Zenati M, Hamad A, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. Robotic pancreatoduodenectomy with vascular resection: Outcomes and learning curve. *Surgery.* 2019 Jul;166(1):8-14. doi: 10.1016/j.surg.2019.01.037. Epub 2019 Mar 21. PubMed PMID: 30905468.
4. Jung JP, Zenati MS, Hamad A, **Hogg ME**, Simmons RL, Zureikat AH, Zeh HJ, Boone BA. Can post-hoc video review of robotic pancreaticoduodenectomy predict portal/superior mesenteric vein margin status in pancreatic adenocarcinoma?. *HPB (Oxford).* 2019 Jun;21(6):679-686. doi: 10.1016/j.hpb.2018.10.012. Epub 2018 Nov 28. PubMed PMID: 30501987; PubMed Central PMCID: PMC6631331.

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5. Boone BA, Zenati MS, Rieser C, Hamad A, Al-Abbas A, Zureikat AH, **Hogg ME**, Neal MD, Zeh HJ 3rd. Risk of Venous Thromboembolism for Patients with Pancreatic Ductal Adenocarcinoma Undergoing Preoperative Chemotherapy Followed by Surgical Resection. *Ann Surg Oncol*. 2019 May;26(5):1503-1511. doi: 10.1245/s10434-018-07148-z. Epub 2019 Jan 16. PubMed PMID: 30652227.
 6. Al Abbas AI, Jung JP, Rice MK, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Methodology for Developing an Educational and Research Video Library in Minimally Invasive Surgery. *J Surg Educ*. 2019 May - Jun;76(3):745-755. doi: 10.1016/j.jsurg.2018.10.011. Epub 2019 Feb 19. PubMed PMID: 30792160.
 7. Rice MK, Zenati MS, Novak SM, Al Abbas AI, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Crowdsourced Assessment of Inanimate Biotissue Drills: A Valid and Cost-Effective Way to Evaluate Surgical Trainees. *J Surg Educ*. 2019 May - Jun;76(3):814-823. doi: 10.1016/j.jsurg.2018.10.007. Epub 2018 Nov 22. PubMed PMID: 30472061.
 8. Singhi AD, Nikiforova MN, Chennat J, Papachristou GI, Khalid A, Rabinovitz M, Das R, Sarkaria S, Ayasso MS, Wald AI, Monaco SE, Nalesnik M, Ohori NP, Geller D, Tsung A, Zureikat AH, Zeh H, Marsh JW, **Hogg M**, Lee K, Bartlett DL, Pingpank JF, Humar A, Bahary N, Dasyam AK, Brand R, Fasanella KE, McGrath K, Slivka A. Integrating next-generation sequencing to endoscopic retrograde cholangiopancreatography (ERCP)-obtained biliary specimens improves the detection and management of patients with malignant bile duct strictures. *Gut*. 2019 Apr 10; doi: 10.1136/gutjnl-2018-317817. [Epub ahead of print] PubMed PMID: 30971436.
 9. Tam V, Borrebach J, Dunn SA, Bellon J, Zeh HJ, **Hogg ME**. Proficiency-based training and credentialing can improve patient outcomes and decrease cost to a hospital system. *Am J Surg*. 2019 Apr;217(4):591-596. doi: 10.1016/j.amjsurg.2018.07.053. Epub 2018 Aug 3. PubMed PMID: 30098709.
 10. Bernard ME, Sutera PA, Iarrobino NA, Quan K, Burton SA, Bahary N, **Hogg M**, Zureikat A, Heron DE. Initial Results of a Prospective Study of Adjuvant Pancreatic Stereotactic Body Radiation Therapy for Close or Positive Margins. *Adv Radiat Oncol*. 2019 Apr-Jun;4(2):294-301. doi: 10.1016/j.adro.2018.11.007. eCollection 2019 Apr-Jun. PubMed PMID: 31011674; PubMed Central PMCID: PMC6460098.
 11. Klomp maker S, Peters NA, van Hilst J, Bassi C, Boggi U, Busch OR, Niesen W, Van Gulik TM, Javed AA, Kleeff J, Kawai M, Lesurtel M, Lombardo C, Moser AJ, Okada KI, Popescu I, Prasad R, Salvia R, Sauvanet A, Stureson C, Weiss MJ, Zeh HJ, Zureikat AH, Yamaue H, Wolfgang CL, **Hogg ME**, Besselink MG. Outcomes and Risk Score for Distal Pancreatectomy with Celiac Axis Resection (DP-CAR): An International Multicenter Analysis. *Ann Surg Oncol*. 2019 Mar;26(3):772-781. doi: 10.1245/s10434-018-07101-0. Epub 2019 Jan 4. PubMed PMID: 30610560; PubMed Central PMCID: PMC6373251.
 12. Tam V, Rogers DE, Al-Abbas A, Borrebach J, Dunn SA, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Robotic Inguinal Hernia Repair: A Large Health System's Experience With the First 300 Cases and Review of the Literature. *J Surg Res*. 2019 Mar;235:98-104. doi: 10.1016/j.jss.2018.09.070. Epub 2018 Oct 25. PubMed PMID: 30691857.
 13. Knab LM, Zenati MS, Khodakov A, Rice M, Al-Abbas A, Bartlett DL, Zureikat AH, Zeh HJ, **Hogg ME**. Correction to: Evolution of a Novel Robotic Training Curriculum in a Complex General Surgical Oncology Fellowship. *Ann Surg Oncol*. 2018 Dec 12; doi: 10.1245/s10434-018-07106-9. [Epub ahead of print] PubMed PMID: 30542838.
 14. Singhi AD, McGrath K, Brand RE, Khalid A, Zeh HJ, Chennat JS, Fasanella KE, Papachristou GI, Slivka A, Bartlett DL, Dasyam AK, **Hogg M**, Lee KK, Marsh JW, Monaco SE, Ohori NP,

- Pingpank JF, Tsung A, Zureikat AH, Wald AI, Nikiforova MN. Preoperative next-generation sequencing of pancreatic cyst fluid is highly accurate in cyst classification and detection of advanced neoplasia. *Gut*. 2018 Dec;67(12):2131-2141. doi: 10.1136/gutjnl-2016-313586. Epub 2017 Sep 28. PubMed PMID: 28970292; PubMed Central PMCID: PMC6241612.
15. Lutfi W, **Hogg ME**. ASO Author Reflections: Health Disparities in Pancreatic Cancer. *Ann Surg Oncol*. 2018 Dec;25(Suppl 3):824-825. doi: 10.1245/s10434-018-6961-0. Epub 2018 Oct 30. PubMed PMID: 30377920.
 16. Knab LM, **Hogg ME**. ASO Author Reflections: Novel Robotic Training Curriculum Used in Complex Surgical Oncology. *Ann Surg Oncol*. 2018 Dec;25(Suppl 3):616-617. doi: 10.1245/s10434-018-6775-0. Epub 2018 Sep 25. PubMed PMID: 30255366.
 17. Magge DR, Zenati MS, Hamad A, Rieser C, Zureikat AH, Zeh HJ, **Hogg ME**. Comprehensive comparative analysis of cost-effectiveness and perioperative outcomes between open, laparoscopic, and robotic distal pancreatectomy. *HPB (Oxford)*. 2018 Dec;20(12):1172-1180. doi: 10.1016/j.hpb.2018.05.014. Epub 2018 Jun 30. PubMed PMID: 31217087.
 18. Varley PR, Zenati MS, Klobuka A, Tobler J, Hamad A, **Hogg ME**, Zeh HJ 3rd, Borhani AA, Zureikat AH. Does robotic pancreaticoduodenectomy improve outcomes in patients with high risk morphometric features compared to the open approach. *HPB (Oxford)*. 2018 Nov 30;. doi: 10.1016/j.hpb.2018.10.016. [Epub ahead of print] PubMed PMID: 30509562.
 19. Rieser CJ, Zenati M, Hamad A, Al Abbas AI, Bahary N, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. CA19-9 on Postoperative Surveillance in Pancreatic Ductal Adenocarcinoma: Predicting Recurrence and Changing Prognosis over Time. *Ann Surg Oncol*. 2018 Nov;25(12):3483-3491. doi: 10.1245/s10434-018-6521-7. Epub 2018 May 21. PubMed PMID: 29786131.
 20. Mark Knab L, Zenati MS, Khodakov A, Rice M, Al-Abbas A, Bartlett DL, Zureikat AH, Zeh HJ, **Hogg ME**. Evolution of a Novel Robotic Training Curriculum in a Complex General Surgical Oncology Fellowship. *Ann Surg Oncol*. 2018 Nov;25(12):3445-3452. doi: 10.1245/s10434-018-6686-0. Epub 2018 Aug 2. PubMed PMID: 30073601.
 21. Jung JP, Zenati MS, Dhir M, Zureikat AH, Zeh HJ, Simmons RL, **Hogg ME**. Use of Video Review to Investigate Technical Factors That May Be Associated With Delayed Gastric Emptying After Pancreaticoduodenectomy. *JAMA Surg*. 2018 Oct 1;153(10):918-927. doi: 10.1001/jamasurg.2018.2089. PubMed PMID: 29998288; PubMed Central PMCID: PMC6584315.
 22. Brand R, Borazanci E, Speare V, Dudley B, Karloski E, Peters MLB, Stobie L, Bahary N, Zeh H, Zureikat A, **Hogg M**, Lee K, Tsung A, Rhee J, Ohr J, Sun W, Lee J, Moser AJ, DeLeonardis K, Krejdovsky J, Dalton E, LaDuca H, Dolinsky J, Colvin A, Lim C, Black MH, Tung N. Prospective study of germline genetic testing in incident cases of pancreatic adenocarcinoma. *Cancer*. 2018 Sep 1;124(17):3520-3527. doi: 10.1002/cncr.31628. Epub 2018 Aug 1. PubMed PMID: 30067863.
 23. Felder SI, Ramanathan R, Russo AE, Jimenez-Rodriguez RM, **Hogg ME**, Zureikat AH, Strong VE, Zeh HJ, Weiser MR. Robotic gastrointestinal surgery. *Curr Probl Surg*. 2018 Jun;55(6):198-246. doi: 10.1067/j.cpsurg.2018.07.001. Epub 2018 Aug 8. Review. PubMed PMID: 30470267; PubMed Central PMCID: PMC6377083.
 24. Lutfi W, Zenati MS, Zureikat AH, Zeh HJ, **Hogg ME**. Health Disparities Impact Expected Treatment of Pancreatic Ductal Adenocarcinoma Nationally. *Ann Surg Oncol*. 2018 Jul;25(7):1860-1867. doi: 10.1245/s10434-018-6487-5. Epub 2018 Apr 24. PubMed PMID: 29691733.
 25. Dhir M, Zenati MS, Hamad A, Singhi AD, Bahary N, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. FOLFIRINOX Versus Gemcitabine/Nab-Paclitaxel for Neoadjuvant Treatment of Resectable and Borderline Resectable Pancreatic Head Adenocarcinoma. *Ann Surg Oncol*. 2018

- Jul;25(7):1896-1903. doi: 10.1245/s10434-018-6512-8. Epub 2018 May 14. PubMed PMID: 29761331.
26. Roy S, LaFramboise WA, Liu TC, Cao D, Luvison A, Miller C, Lyons MA, O'Sullivan RJ, Zureikat AH, **Hogg ME**, Tsung A, Lee KK, Bahary N, Brand RE, Chennat JS, Fasanella KE, McGrath K, Nikiforova MN, Papachristou GI, Slivka A, Zeh HJ, Singhi AD. Loss of Chromatin-Remodeling Proteins and/or CDKN2A Associates With Metastasis of Pancreatic Neuroendocrine Tumors and Reduced Patient Survival Times. *Gastroenterology*. 2018 Jun;154(8):2060-2063.e8. doi: 10.1053/j.gastro.2018.02.026. Epub 2018 Mar 2. PubMed PMID: 29486199; PubMed Central PMCID: PMC5985217.
 27. Magge D, Zenati M, Lutfi W, Hamad A, Zureikat AH, Zeh HJ, **Hogg ME**. Robotic pancreatoduodenectomy at an experienced institution is not associated with an increased risk of post-pancreatic hemorrhage. *HPB (Oxford)*. 2018 May;20(5):448-455. doi: 10.1016/j.hpb.2017.11.005. Epub 2018 Feb 1. PubMed PMID: 29366816.
 28. Beane JD, Pitt HA, Dolejs SC, **Hogg ME**, Zeh HJ, Zureikat AH. Assessing the impact of conversion on outcomes of minimally invasive distal pancreatectomy and pancreatoduodenectomy. *HPB (Oxford)*. 2018 Apr;20(4):356-363. doi: 10.1016/j.hpb.2017.10.007. Epub 2017 Nov 27. PubMed PMID: 29191691.
 29. Kowalsky SJ, Zenati MS, Dhir M, Schaefer EG, Dopsovic A, Lee KK, **Hogg ME**, Zeh HJ, Vollmer CM, Zureikat AH. Postoperative narcotic use is associated with development of clinically relevant pancreatic fistulas after distal pancreatectomy. *Surgery*. 2018 Apr;163(4):747-752. doi: 10.1016/j.surg.2017.10.042. Epub 2017 Dec 18. PubMed PMID: 29269087.
 30. Radomski M, Zenati M, Novak S, Tam V, Steve J, Bartlett DL, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Factors associated with prolonged hospitalization in patients undergoing pancreatoduodenectomy. *Am J Surg*. 2018 Apr;215(4):636-642. doi: 10.1016/j.amjsurg.2017.06.040. Epub 2017 Sep 18. PubMed PMID: 28958654.
 31. Georgakis GV, Bartlett DL, Zureikat AH, Zeh III HJ, **Hogg ME**. Minimally invasive central hepatectomy for gallbladder cancer is safe and effective. *Connecticut Medicine Journal*. 2018 April;
 32. Kowalsky SJ, Zenati MS, Steve J, Esper SA, Lee KK, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. A Combination of Robotic Approach and ERAS Pathway Optimizes Outcomes and Cost for Pancreatoduodenectomy. *Ann Surg*. 2018 Feb 16;. doi: 10.1097/SLA.0000000000002707. [Epub ahead of print] PubMed PMID: 29462006.
 33. Weiss MJ, **Hogg ME**. Robotic surgery: the future is now. *J Vis Surg*. 2018;4:30. doi: 10.21037/jovs.2018.01.21. eCollection 2018. PubMed PMID: 29552512; PubMed Central PMCID: PMC5847824.
 34. Hamad A, Zenati MS, Nguyen TK, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. Safety and feasibility of the robotic platform in the management of surgical sequelae of chronic pancreatitis. *Surg Endosc*. 2018 Feb;32(2):1056-1065. doi: 10.1007/s00464-017-6010-2. Epub 2017 Dec 22. PubMed PMID: 29273874.
 35. Dhir M, Zenati MS, Jones HL, Bartlett DL, Choudry MHA, Pingpank JF, Holtzman MP, Bahary N, **Hogg ME**, Zeh HJ 3rd, Geller DA, Wallis Marsh J, Tsung A, Zureikat AH. Effectiveness of Hepatic Artery Infusion (HAI) Versus Selective Internal Radiation Therapy (Y90) for Pretreated Isolated Unresectable Colorectal Liver Metastases (IU-CRCLM). *Ann Surg Oncol*. 2018 Feb;25(2):550-557. doi: 10.1245/s10434-017-6265-9. Epub 2017 Nov 27. PubMed PMID: 29181682.
 36. Tam V, Lutfi W, Novak S, Hamad A, Lee KK, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Resident attitudes and compliance towards robotic surgical training. *Am J Surg*. 2018 Feb;215(2):282-287. doi: 10.1016/j.amjsurg.2017.08.051. Epub 2017 Nov 14. PubMed PMID: 29174164.

37. Allan BJ, Novak SM, **Hogg ME**, Zeh HJ. Robotic vascular resections during Whipple procedure. *J Vis Surg*. 2018;4:13. doi: 10.21037/jovs.2017.12.15. eCollection 2018. Review. PubMed PMID: 29445599; PubMed Central PMCID: PMC5803130.
38. Kowalsky SJ, Zenati MS, Steve J, Lee KK, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. Ketorolac use may increase risk of postoperative pancreatic fistula after pancreaticoduodenectomy. *J Surg Res*. 2018 Jan;221:43-48. doi: 10.1016/j.jss.2017.08.006. PubMed PMID: 29229151.
39. Tam V, Zenati M, Novak S, Chen Y, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Robotic Pancreatoduodenectomy Biotissue Curriculum has Validity and Improves Technical Performance for Surgical Oncology Fellows. *J Surg Educ*. 2017 Nov - Dec;74(6):1057-1065. doi: 10.1016/j.jsurg.2017.05.016. Epub 2017 Jun 1. PubMed PMID: 28578981.
40. Knab LM, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Towards standardized robotic surgery in gastrointestinal oncology. *Langenbecks Arch Surg*. 2017 Nov;402(7):1003-1014. doi: 10.1007/s00423-017-1623-4. Epub 2017 Sep 27. Review. PubMed PMID: 28956165.
41. Dhir M, Li W, **Hogg ME**, Bartlett DL, Carty SE, McCoy KL, Challinor SM, Yip L. Clinical Predictors of Malignancy in Patients with Pheochromocytoma and Paraganglioma. *Ann Surg Oncol*. 2017 Nov;24(12):3624-3630. doi: 10.1245/s10434-017-6074-1. Epub 2017 Sep 7. PubMed PMID: 28884434.
42. Epelboym I, Zenati MS, Hamad A, Steve J, Lee KK, Bahary N, **Hogg ME**, Zeh HJ, Zureikat AH. Analysis of Perioperative Chemotherapy in Resected Pancreatic Cancer: Identifying the Number and Sequence of Chemotherapy Cycles Needed to Optimize Survival. *Ann Surg Oncol*. 2017 Sep;24(9):2744-2751. doi: 10.1245/s10434-017-5975-3. Epub 2017 Jul 5. PubMed PMID: 28681155.
43. Nota CL, Zwart MJ, Fong Y, Hagendoorn J, **Hogg ME**, Koerkamp BG, Besselink MG, Molenaar IQ. Developing a robotic pancreas program: the Dutch experience. *J Vis Surg*. 2017;3:106. doi: 10.21037/jovs.2017.07.02. eCollection 2017. Review. PubMed PMID: 29078666; PubMed Central PMCID: PMC5638300.
44. Ocuin LM, Miller-Ocuin JL, Zenati MS, Vargo JA, Singhi AD, Burton SA, Bahary N, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. A margin distance analysis of the impact of adjuvant chemoradiation on survival after pancreaticoduodenectomy for pancreatic adenocarcinoma. *J Gastrointest Oncol*. 2017 Aug;8(4):696-704. doi: 10.21037/jgo.2017.04.02. PubMed PMID: 28890820; PubMed Central PMCID: PMC5582038.
45. Miller-Ocuin JL, Zenati MS, Ocuin LM, Varley PR, Novak SM, Winters S, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Failure to Treat: Audit of an Institutional Cancer Registry Database at a Large Comprehensive Cancer Center Reveals Factors Affecting the Treatment of Pancreatic Cancer. *Ann Surg Oncol*. 2017 Aug;24(8):2387-2396. doi: 10.1245/s10434-017-5880-9. Epub 2017 May 22. PubMed PMID: 28534079.
46. Hamad A, Novak S, **Hogg ME**. Robotic central pancreatectomy. *J Vis Surg*. 2017;3:94. doi: 10.21037/jovs.2017.05.13. eCollection 2017. Review. PubMed PMID: 29078656; PubMed Central PMCID: PMC5638396.
47. Zureikat AH, Borrebach J, Pitt HA, McGill D, **Hogg ME**, Thompson V, Bentrem DJ, Hall BL, Zeh HJ. Minimally invasive hepatopancreatobiliary surgery in North America: an ACS-NSQIP analysis of predictors of conversion for laparoscopic and robotic pancreatectomy and hepatectomy. *HPB (Oxford)*. 2017 Jul;19(7):595-602. doi: 10.1016/j.hpb.2017.03.004. Epub 2017 Apr 8. PubMed PMID: 28400087.
48. **Hogg ME**, Tam V, Zenati M, Novak S, Miller J, Zureikat AH, Zeh HJ 3rd. Mastery-Based Virtual Reality Robotic Simulation Curriculum: The First Step Toward Operative Robotic Proficiency. *J Surg Educ*. 2017 May - Jun;74(3):477-485. doi: 10.1016/j.jsurg.2016.10.015. Epub 2016 Nov 21. PubMed PMID: 27884677.

49. Tam V, Zeh HJ 3rd, **Hogg ME**. Incorporating Metrics of Surgical Proficiency Into Credentialing and Privileging Pathways. *JAMA Surg*. 2017 May 1;152(5):494-495. doi: 10.1001/jamasurg.2017.0025. Review. PubMed PMID: 28273289.
50. Bednar F, Zenati MS, Steve J, Winters S, Ocuin LM, Bahary N, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. Analysis of Predictors of Resection and Survival in Locally Advanced Stage III Pancreatic Cancer: Does the Nature of Chemotherapy Regimen Influence Outcomes?. *Ann Surg Oncol*. 2017 May;24(5):1406-1413. doi: 10.1245/s10434-016-5707-0. Epub 2016 Nov 28. PubMed PMID: 27896518.
51. Dhir M, Ramalingam L, Shuai Y, Pakrafter S, Jones HL, **Hogg ME**, Zureikat AH, Holtzman MP, Ahrendt SA, Bahary N, Pingpank JF, Zeh HJ, Bartlett DL, Choudry HA. Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemoperfusion in Adolescent and Young Adults with Peritoneal Metastases. *Ann Surg Oncol*. 2017 Apr;24(4):875-883. doi: 10.1245/s10434-016-5689-y. Epub 2016 Dec 19. PubMed PMID: 27995449.
52. McMillan MT, Zureikat AH, **Hogg ME**, Kowalsky SJ, Zeh HJ, Sprys MH, Vollmer CM Jr. A Propensity Score-Matched Analysis of Robotic vs Open Pancreatoduodenectomy on Incidence of Pancreatic Fistula. *JAMA Surg*. 2017 Apr 1;152(4):327-335. doi: 10.1001/jamasurg.2016.4755. PubMed PMID: 28030724; PubMed Central PMCID: PMC5470429.
53. **Hogg ME**, Besselink MG, Clavien PA, Fingerhut A, Jeyarajah DR, Kooby DA, Moser AJ, Pitt HA, Varban OA, Vollmer CM, Zeh HJ 3rd, Hansen P. Training in Minimally Invasive Pancreatic Resections: a paradigm shift away from "See one, Do one, Teach one". *HPB (Oxford)*. 2017 Mar;19(3):234-245. doi: 10.1016/j.hpb.2017.01.016. Epub 2017 Feb 10. PubMed PMID: 28190709.
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ABSTRACTS, POSTERS AND PRESENTATIONS

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18. Havelka G, **Hogg ME**, Banerjee M, Martinez J, Kibbe MR. Mechanism Underlying the Differential Efficacy of Nitric Oxide Based on Sex and Hormone Status. Presented at the Rochester Vascular Symposium Annual Meeting, Rochester, NY, April 2010.
19. Havelka G, **Hogg ME**, Banerjee M, Martinez J, Kibbe MR. The Differential Efficacy of Nitric Oxide Based on Sex and Hormone Status. Presented at the Association of VA Surgeons Annual Meeting, Indianapolis, IN, May 2010. (Awarded Best Science Paper).
20. Vavra AK, Serrano MC, Lee VER, Martinez J, **Hogg ME**, Murar J, Fu B, Ameer GA, Kibbe MR. A Novel Nitric Oxide-Releasing Periadventitial Wrap for the Prevention of Neointimal Hyperplasia. Presented at the American College of Surgeons. Washington, D.C., October 2010.
21. **Hogg ME**, Stang MT, McCoy KL, Armstrong Michael J, Thull DL, Challinor SM, Yim JH, Ogilvie JB, Bartlett DL, Carty SE, and Yip L. Syndromic and Non-Syndromic Pheochromocytomas. Presented at the 10th International VHL Conference, Houston, TX, January 2012. (Travel Award)
22. **Hogg ME**, Stang MT, McCoy KL, Armstrong Michael J, Thull DL, Yim JH, Ogilvie JB, Bartlett DL, Carty SE, and Yip L. Pheochromocytomas: Are they still the 10%? Presented at the Society for Surgical Oncology, Orlando, FL, March 2012.
23. **Hogg ME**, Kim C, Boone BA, Zenati MS, Lee KK, Moser AJ, Bartlett DL, Heron D, Burton S, Zeh HJ, Zureikat AH. "Pancreaticoduodenectomy versus Radiosurgery for Octogenarians with Pancreatic Head Adenocarcinoma." Presented at American Society of Surgical Oncology (Gastroenterology) for San Francisco, CA, January 2013.
24. **Hogg ME**, Daouadi M, Boone BA, Zenati MS, Choudry HA, Lee KK, Tsung A, Moser AJ, Bartlett DL, Zeh HJ, Zureikat AH. "Minority Report: Use of the Da Vinci Robot to Remove Pancreatic Pre-Cancers." Presented at Academic Surgical Congress for New Orleans, LA, February 2013.
25. **Hogg ME**, Daouadi M, Boone BA, Choudry HA, Lee KK, Marsh W, Pingpank JF, Stang MT, Tsung A, Moser AJ, Bartlett DL, Zeh HJ, Zureikat AH. "Robotic Assisted Surgery for Pancreatic Neuroendocrine Tumors." Presented at American Hepato-Pancreato-Biliary Association for Miami, FL, February 2013.
26. Polanco P, **Hogg ME**, Zeh HJ, Bartlett DL, Choudry MH. "Pleural Dissemination of Mucinous Appendiceal Neoplasms." Presented at Regional Therapy Meeting for Indian Oaks, CA, February 2013.
27. Ongchin, M, Steve, J, Bartlett, DL, Choudry, MH, Lee, K, Marsh, W, Tsung, A, Zureikat, AH, Zeh III, HJ, **Hogg ME**. "Quantity and quality: a high volume pancreatic center's adherence to highly

- validated quality measures of pancreatic cancer care” Presented at American Hepato-Pancreato-Biliary Association for Miami, FL February 2013.
28. Melanie Ongchin MD, Haroon M Choudry MD, Steven Ahrendt MD, James Pingpank MD, Matthew Holtzman MD, Amer Zureikat MD, Herbert Zeh III MD, David Bartlett MD, **Hogg ME.** “Surgical Treatment for Mucinous Appendiceal Patients – The Role of Ostomies in Cytoreductive Surgery.” Presented at Regional Therapy Meeting in Steam Boat, CO, February 2013.
 29. Khreiss M, Shakir M, Boone BA, Zenati M, Bartlett DL, Zureikat AH, Zeh HJ, **Hogg ME.** “Robotic Assisted Pancreaticoduodenectomy May be Associated with an Increased Likelihood of Receiving Adjuvant Chemotherapy.” Presented at the Society for Surgical Oncology, Pheonix, AZ, March 2014.
 30. Suzanne Schiffman, Yongli Shuai, Ying Ding, Cindy Valko, Sharon Winters, David L. Bartlett, Amer H. Zureikat, Herbert J. Zeh III, **Hogg ME.** “A Multidisciplinary Clinic for Pancreatic Cancer Improves Utilization of Therapy” Presented at the Society for Surgical Oncology, Pheonix, AZ, March 2014.
 31. Polanco P.M., Assifi M.M., Knox J.M., Dudley R.E., Zureikat A.H., Bartlett D.L., Zeh H.J., Singhi A., Brand R.E., **Hogg ME** “Clinical characteristics of newly diagnosed pancreatic adenocarcinoma in familial pancreatic cancer kindreds from an Institutional Pancreatic Cancer Registry” Presented at the Pancreas Club, Chicago, IL, May 2014.
 31. **Hogg ME,** Amer H Zureikat, David L Bartlett, and Herb J Zeh III. “Training Surgeons in Robotics” Presented at the Innovation, Design and Emerging Alliances in Surgery Meeting, Boston, MA, April 2014.
 32. Assifi M.M., Polanco P.M., Knox J.M., Dudley R.E., Zureikat A.H., Bartlett D.L., Zeh H.J., Singhi A., Brand R.E., **Hogg ME** “Clinical characteristics of familial pancreatic cancer kindreds: comparable staging at presentation to sporadic pancreatic cancer.” Poster presentation at SSO, Houston 2015.
 33. Downs-Canner S, Boone BA, Steve J, Zureikat A, Lee KKW, Zeh HJ, **Hogg ME.** “Pancreatic Necrosis: A single institution’s review of practical adherence to a step-up approach.” Oral Poster Presentation at AHPBA, Miami 2015 and at Pancreas Club, Washington DC 2015.
 34. Mark Girgis, Jennifer Steve, Mazen Zenati, Sharon Winters, David L. Bartlett, Amer H. Zureikat, Herbert J. Zeh III, **Hogg ME.** “Adjuvant Chemotherapy following Robotic Resections for Pancreatic Ductal Adenocarcinoma: More Chemotherapy is better.” Oral Presentation at Pancreas Club, Washington DC 2015.
 35. Jonathan C. King, Herbert J. Zeh III, Amer H. Zureikat, Michael T. Stang, David L. Bartlett, **Hogg ME.** “Implementation of a Surgical Oncology Robotics Program: Safe with Progressive Improvement, Expansion and Growth” Poster presentation at SSO, Houston 2015
 36. Jonathan C. King, Jennifer Steve, Mazen Zenati, Sharon Winters, David L. Bartlett, Amer H. Zureikat, Herbert J. Zeh III, **Hogg ME.** “Age Bias and Under-Treatment in Octogenarians with Pancreatic Cancer.” Poster presentation at SSO, Houston 2015 and at Pancreas Club, Washington DC 2015.
 37. Lee M. Ocuin, Jennifer L. Miller, Mazen S. Zenati, Bhavin C. Shah, Jennifer Steve, Stephanie M. Novak, Sharon B. Winters, David L. Bartlett, Amer H. Zureikat, Herbert J. Zeh III, **Hogg ME.** “ADHERENCE TO EXPECTED TREATMENT FOR PANCREATIC CANCER IMPROVES OUTCOMES.” Poster presentation at SSO, Houston 2015 and Podium presentation at Pancreas Club, Washington DC 2015.
 38. Michal Radomski , Amer Zureikat, Stephanie M. Novak, Kenneth K. Lee, J.Wallis Marsh, Allan Tsung, David Bartlett, Herbert J. Zeh, III, **Hogg ME.** “Should I Stay or Should I Go Now: Factors Influencing High Length of Stay After Pancreatectomy.” Podium Presentation at AAS-

- SUS, Las Vegas 2015 and Poster Presentation at Pancreas Club, Washington DC 2015.
39. Michal Radomski MD, Amer Zureikat MD, Herbert Zeh MD, **Hogg ME**. "Modified Robotic Appleby Procedure with Left Nephrectomy and Adrenalectomy for Locally Advanced Distal Pancreatic Cancer." Oral Video Presentation AHPBA, Miami 2015.
 40. J. L. Miller, S. M. Novak, D. L. Bartlett, A. H. Zureikat, H. J. Zeh, **Hogg ME**. "Robotic Simulator Curriculum Validation Study." Podium Presentation at AAS-SUS, Las Vegas 2015
 41. Ana Gleisner, Jennifer Miller, Mura Assifi, Jennifer Steve, David L. Bartlett, Herbert J. Zeh, **Hogg ME**, Amer H. Zureikat. "Factors Associated with Failure to Reach Surgical Resection in Patients Undergoing Neoadjuvant Chemotherapy for Resectable and Borderline Resectable PDAC" Poster presentations at SSO 2015 and Pancreas Club 2015
 42. Georgios V Georgakis, David L Bartlett, Amer H Zureikat, Herbert J Zeh III, **Hogg ME**. "Minimally invasive central hepatectomy for gallbladder cancer is safe and effective." Poster Presentation for SAGES 2016, Boston, MA.
 43. **Hogg ME**, Zenati M, Novak S, Chen Y, Zureikat AH, Zeh III HJ. "Robotic whipple biotissue curriculum improves technical performance for fellows and has construct validity." Poster of Distinction Presentation for SAGES 2016, Boston, MA and long oral for Pancreas Club 2016, San Diego, CA.
 44. Mark Girgis, Mazen Zenati, Jen Steve, Amer H Zureikat, Herbert J Zeh III, **Hogg ME**. "Robotic Approach Mitigates Risk of Wound Infection and Perioperative Morbidity in Obese Patients following Pancreaticoduodenectomy." Long Oral Presentation for IHPBA 2016, Sao Paulo, BZ.
 45. **Hogg ME**, Zenati, Novak, Chen, Jun, Steve, Kowalski, Bartlett, Zureikat, Zeh. "Grading of Surgeon Technical Performance Predicts Post-Operative Pancreatic Fistula for the Pancreaticoduodenectomy Independent of Patient Related Variables." Oral Presentation for ASA 2016, Chicago, IL.
 46. **Hogg ME**. "Technical Aspects of a Central Pancreatectomy." Long Oral Presentation for IHPBA 2016, Sao Paulo, BZ.
 47. Magge, Zenati, Hamad, Reiser, Steve, Zureikat, Zeh, **Hogg ME**. "Robotic Approach Is An Independent Predictor Of Shorter Length Of Stay And Lower Cost At An Experienced High Volume Pancreas Center." Mini Oral Presentation at AHPBA, Miami, FL
 48. Deepa Magge, Zenati, Waseem, Novak, Steve, Zureikat, Zeh, **Hogg ME**. "Robotic Pancreatoduodenectomy at an Experienced Institution is not Associated with an Increased Risk of Post-Pancreatic Hemorrhage." Poster Presentation at AHPBA, Miami, FL
 49. Jae Pil Jung, Mashaal Dhir, Mazen Zenati, Stephanie Novak, Amer H. Zureikat, Herbert J. Zeh III, **Hogg ME**. "Predictors of Delayed Gastric Emptying After Robotic Pancreatoduodenectomy: Analysis of Intraoperative Techniques Using Video Review." Long Oral Presentation at AHPBA, Miami, FL
 50. Maggi JC, Zenati MS, Hamad A, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. "Does CT scan for isolated leukocytosis lead to changes in clinical management?" Poster Presentation at Pancreas Club, Chicago, IL
 51. Rieser, Zenati, Hamad, Steve, Bahary, Zureikat, Zeh, **Hogg ME**. "Serum CA19-9 on Surveillance May be More Sensitive for Recurrence than Radiographic Evidence in Pancreatic Ductal Adenocarcinoma" Poster Presentation at SSO, Seattle, WA and Mini Oral Presentation at Pancreas Club, Chicago, IL
 52. Vernissia Tam¹, Chandraprakash Umapathy², Mazen Zenati³, Stephanie Downs-Canner¹, Brian A Boone¹, Jennifer L Steve¹, Amer H Zureikat¹, Kenneth K Lee¹, Herbert J Zeh¹, Yadav Dhiraj², **Hogg ME** "Practical Adherence to the Step-Up Approach for Pancreatic Necrosis: An Institutional Review." Mini Oral Presentation at AAS-SUS ASC in Las Vegas, NV.
 53. Vernissia Tam MD, Waseem Lutfi B.Sc, Stephanie Novak MS, Ahmad Hamad MD, Kenneth Lee

- MD, Amer H Zureikat MD, Herbert J Zeh III MD, **Hogg ME**. “Resident Attitudes and Compliance Towards Robotic Surgical Training.” Plenary Presentation at Academy of Surgical Education, San Diego, CA.
54. Vernissia Tam M.D.¹, Jeffrey Borrebach M.S.², Stefanie Dunn Ph.D.², Johanna Bellon Ph.D.², Herbert Zeh M.D.¹, **Hogg ME**.¹A Structured Robotics Training Curriculum Lowers Operative Time and Cost for Robotic Inguinal Hernia Repairs. Presented at AWS Meeting during ACS, San Diego 2017 – 2nd place resident competition
 55. V. Tam, J. Borrebach², S. Dunn², J. Bellon², H. Zeh¹, **Hogg ME**. Robotic Inguinal Hernia Repair: An Academic Medical Centers Experience with First 200 Cases. Presented at 2018 ASC, Jacksonville, FL.
 56. W. Lutfi, M.S. Zenati¹, A.H. Zureikat¹, H.J. Zeh¹, **Hogg ME**. Health Disparities Impact the Expected Treatment of Pancreatic Ductal Adenocarcinoma Nationally. Presented at 2018 ASC, Jacksonville, FL.
 57. Knab, Zenati, “Anton”, Rice, Al-abbas, Bartlett, Zureikat, Zeh, **ME Hogg**. Evolution of a Novel Robotic Training Curriculum in a Complex General Surgical Oncology Fellowship. Presented at 2018 SSO, Chicago, IL.
 58. W. Lutfi, M.S. Zenati¹, A.H. Zureikat¹, H.J. Zeh¹, **Hogg ME**. Health Disparities Impact the Expected Treatment of Pancreatic Ductal Adenocarcinoma Nationally. Presented at 2018 Pancreas Club, Washington DC.
 59. Knab, Zenati, Rice, Al-abbas, Hamad, Zureikat, Zeh, **Hogg ME**. Predictors of Robotic Pancreaticoduodenectomy Performance within a Novel Robotic Training Program. Presented at 2018 Pancreas Club, Washington DC.
 60. Amr I. Al Abbas MD, Mazen Zenati PhD, Caroline J. Reiser MD, Ahmad Hamad MD, Jae Pil Jung MD, Amer H. Zureikat MD, Herbert J. Zeh III MD, **Melissa E. Hogg MD M.S.** “Serum CA19-9 Response to Neoadjuvant Therapy is Associated with Survival, T-size Reduction and Negative Margin Resection in Pancreatic Adenocarcinoma” Presented at ACS 2018 in Boston, MA
 61. **Hogg ME**, Zureikat AH, Zeh HJ. “A New Era of Education: Integrating a Mandatory-Based Robotic Curriculum for Trainees.” Presented at SUS 2019 in Houston, TX
 62. Darryl Schuitevoerder, Francisco Izquierdo, Scott Sherman, **Hogg ME**. “Robotic Management of Bile Duct Injury.” Presented at AHPBA 2019, Miami, FL
 63. Amr Al-abbas, Avisek Datta, Chi Wang, Ahmad Hamad, MJ Rice, L. Mark Knab, HJ Zeh III, AH Zureikat, **ME Hogg**. “Mentorship and Formal Robotic Proficiency Skills Curriculum Improve Subsequent Generations’ Learning Curve for the Robotic Distal Pancreatotomy” Presented at AHPBA 2019 in Miami, FL
 64. **ME Hogg**, MJ Rice, J Hodges, J Bellon, J Borrebach, A Hamad, A Al-abbas, LM Knab, AH Zureikat, HJ Zeh III. Mentorship and Formal Robotic Proficiency Skills Curriculum Improve Subsequent Generations’ Learning Curve for the Robotic Pancreatoduodenectomy” Presented at Pancreas Club 2019 in San Diego, CA
 65. AAS 2020 SSO vs UPMC *TBD*
 66. SSO 2020 Transduodenal GIST Resection *TBD*
 67. AHPBA 2020 Selection Criteria Robotic HPB Program *TBD*
 68. SAGES 2020 Fitbit and QOL Study *TBD*
 69. ASE 2020 Backpack Simulator vs Mimic Simulator *TBD*
 70. Pancreas Club *TBD*

PUBLICATIONS

Last Author Manuscripts in Submission

1. Vernissia Tam¹, Chandraprakash Umapathy², Mazen Zenati³, Stephanie Downs-Canner¹, Brian A Boone¹, Jennifer L Steve¹, Amer H Zureikat¹, Kenneth K Lee¹, Herbert J Zeh¹, Yadav Dhiraj², **Hogg ME** "Practical Adherence to the Step-Up Approach for Pancreatic Necrosis: An Institutional Review." Submitted to *JOP*
2. Mark Girgis, Hamad A, Mazen Zenati, Sharon Winters, David L. Bartlett, Amer H. Zureikat, Herbert J. Zeh III, **Hogg ME.** "Adjuvant Chemotherapy following Robotic Resections for Pancreatic Ductal Adenocarcinoma: More Chemotherapy is better." In preparation for *JSO*

Last Author Manuscripts in Preparation

1. Hamad A, Zenati MS, Maggi JC, Zureikat AH, Zeh HJ 3rd, **Hogg ME.** "Does CT scan for isolated leukocytosis lead to changes in clinical management?" In preparation for *HPB*

PROFESSIONAL ACTIVITIES

TEACHING/MENTORSHIP EXPERIENCE:

High School

Jacob Dennis 04/19 – Present High School – applying Pre-Med

Undergraduate

Monisha Banerjee 09/07 – 08/09 NU Undergraduate Summer Research Award

Pre-Medical

Stephanie Novak, MS 7/14 – 6/2017

MJ Rice, ME 7/17 – 6/18 Intuitive Industry Grant

Medical Student

Jozef Murar, BS 5/08 – 06/09 Alpha Omega Alpha Student Research Award

Waseem Lutfi, BS 8/16 – Present T35

Post-Doctoral

Ahmad Hamad, MD 7/16 – 6/2018 Intuitive Industry Grant

Amr Al-abbas, MD 7/17 – 8/2018

Junior Resident

Ashley Vavra, MD 7/08 – 06/09 AMA Seed Grant

Caroline Rieser, MD 4/16 – 8/2018

Lab Resident

Vernissia Tam, MD 7/16 – 6/2018 SAGES Grant; TL1 Grant

2008-2009 Institute for Women's Health Research Pioneer Award
 Mentor: Melina R. Kibbe
 "Women and the Vasculature: Sex Differences in Vascular Injury,"
 Role: PI

OVERLAP:

None

RESEARCH EXPERIENCE:

2000-2001 Department of Nephrology, Mentor: Cybele Ghossein, MD
 Northwestern University Medical School, Chicago, IL

Explored the relationship between ACE-Inhibitors having a protective effect on neointimal hyperplasia in dialysis patients with AVGs and AVFs.

2007-2009 Division of Vascular Surgery, Mentor: Melina R. Kibbe, MD
 Northwestern University Medical School, Chicago, IL

The laboratory research focus is on nitric oxide (NO) and its ability to decrease the neointimal hyperplasia that ensues following vascular surgical procedures leading to restenosis. Specifically, I am looking at how gender and hormone status relate to vascular injury and NO-based therapy. Additionally, I am investigating novel delivery systems *in vivo* for NO therapy after vascular injury.

Protocols	Role	Type	Sponsor	Status	Title
PCI 13-074	Co-PI	NIH	NIH	open	Randomized Phase II trial of Pre-Operative Gemcitabine and nab Paclitacel with or with out Hydroxychloroquine (UPCI# 13-074)
PCI 16-071	Co-PI	Investigator Initiated	UPMC Enterprises SAGES Department	In IRB	Comparing Functional Recovery and Quality of Life Following Pancreas Surgery Between the Robotic and Open Surgical Approach (UPCI# 16-071)

CURRENT SERVICE:

Volunteer	The Neighborhood Academy Pittsburgh, PA	2013-Present	Fundraise and event planning for college-prep high school for kids whose families make < \$25,000 annually.
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PROFESSIONAL ACTIVITIES

TEACHING:

Leadership Roles

1. 2018 – Present: Associate Program Director General Surgery Residency Program
 - a. Robotic Simulation Training
 - b. HPB US Training
 - c. Residents as Teachers Training
 - d. Faculty Development
2. 2018 – Present: Associate Program Director Complex General Surgical Oncology Program
 - a. Robotic Simulation Training
 - b. Northshore Didactic Site Leader
 - c. Journal Club Organizer
 - d. Board Preparation
3. Director of Robotic Training Grainger Simulation Laboratory
 - a. Faculty
 - b. Trainees

OVERVIEW:

Activity	Students	# Contact hours week
Robot Simulation	15 – Fellows/year ~10 residents/year ~5 attendings/year	10 hours/week
Mentor for research projects	~5 fellows ~2 residents	10 hours/week
Ward teaching rounds	(1-2) Medical Students, (1-2) Residents, (1-2) Fellows	5 hours/week
Outpatient Teaching Clinic	(1) Residents, (1) Fellows	4 hours/week
HPB Tumor Board (CME accredited course)	Medical Students, Residents, Fellows, Staff	1 hour/week
Surgical Oncology Conference	Medical Students, Residents, Fellows, Staff	1 hour/week

ROBOTIC COURSES:

I developed the syllabus, didactics, hands-on skills sessions, and assessment for these HPB Robotic courses.

Month	Year	Students	Location	Group	Advanced Medium

June	2014	8	Pittsburgh	Attending HPB Surgeons	Biotissue
October	2014	20	Atlanta	SSO/AHPBA Fellows	Pig, Biotissue
March	2015	18	Houston	SSO Members	Pig, Biotissue
June	2015	4	Pittsburgh	Attending HPB Surgeons	Cadaver, Biotissue
October	2015	22	Atlanta	SSO/AHPBA Fellows	Pig, Biotissue
November	2015	6	Pittsburgh	Attending HPB Surgeons	Cadaver, Biotissue
February	2016	6	Pittsburgh	Attending HPB Surgeons	Cadaver, Biotissue
June	2016	6	Pittsburgh	Attending HPB Surgeons	Cadaver, Biotissue
November	2016	40	Houston	SSO/AHPBA Fellows	Cadaver
December	2016	5	Pittsburgh	Attending HPB Surgeons	Cadaver, Biotissue
July	2017	6	Pittsburgh	Attending HPB Surgeons	Cadaver, Biotissue
September	2017	6	Pittsburgh	Attending HPB Surgeons	Cadaver, Biotissue
August	2019	2	Evanston	Attending HPB Surgeons	Biotissue, Observation
September	2019	2	Evanston	Attending HPB Surgeons	Biotissue, Observation
October	2019	TBD	Houston	Attending HPB Surgeons	Pig, Biotissue

ROBOTIC TRAINING PROGRAMS:

Using the robotic training curriculum I developed at UPMC, other sites are being trained to build their own program on site with UPMC collaboration

1. Netherlands
 - a. UMCU
 - b. At. Antonius
 - c. Radboud UMC
 - d. OLVG
 - e. Maasstad
 - f. LUMC
 - g. Erasmus MC
 - h. Amphia Ziekenhuis
 - i. AMC
 - j. MUMC
2. Germany
 - a. Heidelberg
 - b. Dresden
 - c. University Hospital Erlangen

3. Singapore
 - a. AAMG
4. Mexico
 - a. National Medical Center 20 de noviembre
5. Korea
 - a. Daejeon Sun Hospital, Sun Medical Center
6. USA
 - a. Miami
 - b. Johns Hopkins (fellows only)
 - c. Moffitt (fellows only)
 - d. Memorial Sloan Kettering (fellows only)
 - e. University of Chicago
 - f. Northshore Health System
 - g. Lahey Clinic
 - h. Ohio State University
 - i. University of North Carolina
 - j. Loyola University
 - k. Rush University
 - l. University of Arizona
 - m. Emory
 - n. Baylor in Houston
 - o. Memorial Sloan Kettering

TRAINEE LECTURES:

Lecture	Dates	Students	Evaluations
Pancreatic cancer systemic therapies: neoadjuvant, adjuvant, and metastatic disease	2/2020	TBD	
Cystic neoplasms of the pancreas and biliary tree (choledochal cysts)	2/2020	TBD	
Neoadjuvant Pancreas Cancer	1/2019	4 – Faculty 2 – Fellows 4 – Residents	
Gallbladder Cancer and Cholangiocarcinoma	6/2015 2/2017	10 – Fellows 40 – Residents	
Neoplasia: Surgical Oncology Principles	2/2014 2/2015 2/2016 2/2017 2/2018	30 - MS4 students	
Pancreas Cancer	2/2018	10 - Fellows	
Pancreas Cysts	3/2018	10 - Fellows	

Pancreas Cases: Mucinous Tumors and PJ Disruption	2/2014	10 - Fellows	
Pancreas Journal Club: Neoadjuvant Therapy	3/2014	10 - Fellows	
Technical Aspect of Whipple Procedure	2015 2017 2018	40 - Residents	
Trauma (Psychiatry)	5/2014	12 – MS1 students	
Ultrasound	2014 2015 2016	20 – MS1 students	
Robotic Surgery	2017	40 – MS1 and MS2 students	
Step Into OR: Surgical Oncology Perspective	2017	20 – minority premed undergrad students	

INVITED LECTURES (Domestic):

1. **Hogg ME.** “Current Status of Teaching Robotic Pancreatectomy.” Presented at American Hepato-Pancreato-Biliary Association in Miami Beach, FL, February 2014.
2. **Hogg ME.** “Moving Forward with MIS in HPB Surgery: Measuring Competency and Quality.” Presented at American College of Surgeons in San Francisco, CA, October 2014.
3. **Hogg ME.** “Education and training for robotic surgery.” Presented at American Hepato-Pancreato-Biliary Association for Miami Beach, FL, March 2015.
4. **Hogg ME.** “Robotic HPB Training.” Presenting at Society of Gastrointestinal and Endoscopic Surgery Association in Nashville, TN, April 2015.
5. **Hogg ME.** “Mastery Learning for Robotic Surgery Simulation.” Presented at Med Ed Day, University of Pittsburgh, PA, September 2016.
6. **Hogg ME.** “Open and Minimally Invasive Pancreas Surgery.” SSO Fellows Institute. Presented at Houston, TX, November 2016.
7. **Hogg ME.** “What Happens in the Operating Room DOESN’T Stay in the Operating Room: Changing the Way we Train and Credential Surgeons.” Department of Surgery Grand Rounds UPMC, PA, December 2016
8. **Hogg ME.** “Key Surgical Education and Curriculum Development Principles For Your *da Vinci* Program Lessons from a Teacher.” Presented at UCLA, CA, December 2016
9. **Hogg ME.** “Management of Severe Acute Pancreatitis.” AHPBA Webinar, February 2017.
10. **Hogg ME.** “Surgical Approaches To The Diagnosis And Treatment Of Colorectal Cancer.” VA Oncology Conference, Pittsburgh, PA, February 2017.
11. **Hogg ME.** “Drill Team Training to Enhance the Robotic Learning Curve.” Presented at SAGES, Houston, TX; March 2017.

12. **Hogg ME.** “Debates: Robotic Distal Pancreatectomy.” Presented at SAGES, Houston, TX; March 2017.
13. **Hogg ME.** “Building a Multi-Specialty Robotic Resident Training Program.” Presented at UCSD, CA, May 2017
14. **Hogg ME.** “From Simulation towards Mastery in the OR: Robotic Hepatobiliary-Training and Beyond.” Presented at Mayo Clinic, MN, May 2017
15. **Hogg ME.** “What Happens in the Operating Room Matters: Linking Surgical Performance to Patient Outcomes” Presented at Pancreas Fest 2017, Pittsburgh, PA, July 2017.
16. **Hogg ME.** “What Happens in the Operating Room DOESN’T Stay in the Operating Room: Changing the Way we Train and Credential Surgeons.” Presented at Urology Grand Rounds, University of Pittsburgh, September 2017
17. **Hogg ME.** “What Happens in the Operating Room DOESN’T Stay in the Operating Room: Changing the Way we Train and Credential Surgeons.” Presented at University of Wisconsin Grand Rounds, November 2017
18. **Hogg ME.** “Creation and Revenue of an HPB Unit.” Presented at AHPBA, Miami, FL, March 2018.
19. **Hogg ME.** “Training in Robotic Surgical Oncology: Shortening the Learning Curve.” Presented at SSO, Chicago, IL. March 2018.
20. **Hogg ME.** “Robotic Pancreaticoduodenectomy.” Presented at SAGES, Seattle, WA April 2018.
21. **Hogg ME.** “Training behind the Console.” Presented at SSAT, Washington DC, June 2018.
22. **Hogg ME.** “Training in Robotic Surgical Oncology: Shortening the Learning Curve.” Presented at SSO Webinar, August 2019.
23. **Hogg ME.** “Proficiency Based Training and Credentialing.” Presented at Intuitive Surgical Research Symposium in Sunnyvale, CA, January 2019.
24. **Hogg ME.** “Training and Implementation of Minimally Invasive Pancreatic Resections.” Presented at International Evidence Based Guidelines for MIPR, Miami, FL, March 2019
25. **Hogg ME.** “How Much is Enough/Too Much? MIS Training and Metrics of Proficiency” Presented at AHPBA in Miami, FL, March 2019
26. **Hogg ME.** “Expanding Your Practice with the Robot: Outside Demands for Newer Technology.” Presented at SSO in San Diego, CA, March 2019
27. **Hogg ME.** “Revamping Credentialing Considerations for Robotic Surgery.” Presented at Illinois Collaborative in Chicago, IL, April 2019
28. **Hogg ME.** “How to Train and Credential the Robotic Surgeon.” Presented at SSAT in San Diego, CA, May 2019
29. **Hogg ME.** “Surgery, Liver-Directed Treatment, or Systemic Therapy – Where are the Boundaries for Hepatic Metastasis?” Presented at ASCO in Chicago, IL, June 2019.

Accepted Invitations:

1. Grand Rounds @ Dartmouth 9/6/2019 “Robotic Training: What time is the Right Time?”
1. Grand Rounds @ MD Anderson Cancer Center 9/25/2019 “Beyond IDEAL: Training for Robotic HPB Surgery - The Next Iteration”
2. Grand Rounds @ Mt. Sinai 1/8/2020 “TBD”
3. CGSO Board Review @SSO, Chicago, IL 1/25/2020 “Pancreas Review”

INVITED LECTURES (International):

1. **Hogg ME.** “Minimally Invasive Approach to Pancreatitis.” Presenting at Mexican Endoscopic Society in Puerto Vallarta, MX, May 2015.
2. **Hogg ME.** “Teaching Robotic Surgery.” Presenting at Mexican Endoscopic Society in Puerto Vallarta, MX, May 2015.
3. **Hogg ME.** “Minimally Invasive Approach to Pancreas Cancer.” Presenting at Mexican Endoscopic Society in Puerto Vallarta, MX, May 2015.
4. **Hogg ME.** “State of the Art Therapy for Pancreas Cancer.” Presenting at GI Cancer Oncology Conference in Pueblo, MX, May 2015.
5. **Hogg ME.** “State of the Art Therapy for Pancreas Cancer.” Presenting at Minimally Invasive Oncology Conference, Singapore, November 2015.
6. **Hogg ME.** “State of the Art Therapy for Pancreas Cancer.” Presenting at Hepatobiliary Oncology Conference in Yangon, Myanmar, November 2015.
7. **Hogg ME.** “Decreasing the learning curve for Minimally Invasive Whipple” Presented at the First International Conference focused on Minimally Invasive Pancreatic Resection in Sao Paolo, BZ, April 2016
8. **Hogg ME.** “Intercontinental Perspectives in HPB Training: What Can We Learn From Each Other?” Presented at the IHPBA in Sao Paolo, BZ, April 2016
9. **Hogg ME.** “Hepatobiliary Malignancies: Surgical and Technical Considerations.” Presented at Hainan Cancer Center, China, August 2016.
10. **Hogg ME.** “Building a Multidisciplinary Clinic and Tumor Board Exemplified Through Pancreas Cancer.” Presented at Hainan Cancer Center, China, August 2016.
11. **Hogg ME.** “Technical Surgical Talks: Gastrointestinal Cancer.” Presented at Hainan Cancer Center, China, August 2016.
12. **Hogg ME.** “What Happens in the Operating Room DOESN’T Stay in the Operating Room: Changing the Way we Train and Credential Surgeons.” Presented at Amsterdam Medical Center, Netherlands; January 2016
13. **Hogg ME.** “How to Train in Laparoscopic & Robotic Pancreatic Surgery.” Presented at IHPBA, Geneva, Switzerland, September 2018.
14. **Hogg ME.** “Current Practices in Pancreatic Cancer.” Presented at International Congress of Mexican Association of General Surgery, Guadalajara, Mexico, October 2018
15. **Hogg ME.** “Survivorship in Pancreatic Cancer.” Presented at International Congress of Mexican Association of General Surgery, Guadalajara, Mexico, October 2018
16. **Hogg ME.** “The Learning Process of Minimally Invasive Pancreatoduodenectomy.” Presented at International Congress of Mexican Association of General Surgery, Guadalajara, Mexico, October 2018
17. **Hogg ME.** “Minimally Invasive Whipple: How I do it.” Presented at International Congress of Mexican Association of General Surgery, Guadalajara, Mexico, October 2018
18. **Hogg ME.** “How to Train and Decrease your Robotic Surgery Learning Curve.” Presented at the Korean Association of Robotic Surgery in Daegu, Korea, May 2019
19. **Hogg ME.** “Mentorship and Formal Robotic Proficiency Skills Curriculum Improve Subsequent Generations Learning Curve for the Robotic Pancreatoduodenectomy.” Presented at Japan Society of Hepato-Biliary-Pancreatic Surgery in Takamatsu, Japan, June 2019.
20. **Hogg ME.** “Debate: Pro – Robotic Pancreatoduodenectomy” Presented at Japan Society of Hepato-Biliary-Pancreatic Surgery in Takamatsu, Japan, June 2019.

COMMITTEES:

Northshore:

1. 2018 – Present: Robotic Steering Committee
2. 2019 – Present: Compensation Committee
3. 2019 – Present: Surgical Executive Counsel
4. 2019 – Present: Surgical Quality Improvement Committee

UPMC

1. 2013 – 2018: UPCI (University of Pittsburgh Cancer Institute) – [Clinical Trial] Protocol Review Committee A
2. 2014 – 2018: Complex Surgical Oncology Fellowship Evaluation Committee
3. 2014 – 2018: Pittsburgh VA Stimulation Steering Committee
4. 2016 – 2018: Commission on Cancer, VA Pittsburgh, Cancer Liaison Physician

National

1. 2014 – 2016: AAS (Academy of Academic Surgeons) – Information Technology Committee
2. 2015 – Present: SAGES (Society of Gastrointestinal and Endoscopic Surgery Association) – Robotics Task Force
 - a. Lead of Robotic Biliary Working Group
3. 2015 – Present: SSO (Society of Surgical Oncology) – Hepatobiliary Disease Site Work Group
 - a. Named Co-Chair 2018
4. 2015 – 2019: AHPBA (American Hepato-Pancreato-Biliary Association) Training Committee
5. 2019 – Present: AHPBA Program Committee
6. 2015 – Present: Associate Editor, *Journal of Surgical Oncology*, Surgical Technique Division
7. 2017 – Present: Fellowship Council, HPB working group representing SAGES
8. 2017 – Present: SAGES (Society of Gastrointestinal and Endoscopic Surgery Association) – HPB Task Force
 - a. Named Co-Chair 2019
9. 2017 – Present: AAS Leadership Committee
10. 2019 – Present: International Minimally Invasive Pancreas Surgery – Founding Member

Peer Reviewer

1. Annals of Surgery
2. Annals of Surgical Oncology
3. Journal of Surgical Oncology
4. Journal of GI Surgery
5. HPB
6. Surgery
7. Journal of Surgical Research
8. Journal of Surgical Education
9. Surgical Endoscopy
10. British Journal of Surgery
11. JAMA Surgery
12. Archives of Surgery

AFFILIATIONS:

2015-2018: UPMC CART

Curriculum Vita
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Melissa E Hogg, MD
Assistant Professor of Surgery
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Develop customized training programs for individual surgeons, surgical groups, and UPMC physicians in robotic surgery. These courses range from 1-2 day observations, 1-4 week designated courses including simulation, biotissue, and cadavers, as well as 3-12 month ingrained training and research experiences.

2016-2018: UPMC International

Serves as a speaker or consultant on areas of HPB surgery, surgical oncology, and technical skills training. Travel to UPMC partnerships in Singapore, Myanmar, and China.

2019 – Present: Robotic Pancreatic Consortium

Develop Multi-Institution Program geared at focusing on clinical outcomes and learning curves for robotic pancreatic surgery to ascertain best practices for initiating a minimally invasive pancreatic program.