

CURRICULUM VITAE
Melissa E. Hogg, MD MS

BIOGRAPHICAL

Business Address: Department of Surgery
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Evanston, IL 60201

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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
11/2014-8/2018	Veterans Affairs Hospital	CoC Liaison Physician
Curriculum Vita 11/21/2022		Melissa E Hogg, MD Assistant Professor of Surgery Page 2

Pittsburgh, PA

8/2018 – Present	Northshore University Healthsystem	Director of HPB Surgery Director of Robotic Training for Grainger Lab
2021-Present	University of Chicago	Clinical Professor

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

Curriculum Vita
11/21/2022

Melissa E Hogg, MD
Assistant Professor of Surgery
Page 3

Pancreas Club	2014
International Hepatico-Pancreato-Biliary Association	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
Western Surgical Association	2019
Chicago Surgical Association	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
University of Chicago – Teaching Award	2018-2019
University of Chicago – Teaching Award	2019-2020
University of Chicago – Teaching Award	2020-2021
SAGES – Early Career Research Award	2022
University of Chicago – Teaching Award	2021-2022

PUBLICATIONS

Peer Reviewed Articles (Most Recent First):

1. Sood D, Kuchta K, Paterakos P, Schwarz JL, Rojas A, Choi SH, Vining CC, Talamonti MS, **Hogg ME**. Extended postoperative thromboprophylaxis after pancreatic resection for pancreatic cancer is associated with decreased risk of venous thromboembolism in the minimally invasive approach. *J Surg Oncol*. 2022 Nov 11. doi: 10.1002/jso.27135. Online ahead of print. PMID: 36367398
2. Meyyappan T, Wilson GC, Zeh HJ, **Hogg ME**, Lee KK, Zureikat AH, Paniccia A. Robotic approach mitigates the effect of major complications on survival after pancreaticoduodenectomy for periampullary cancer. *Surg Endosc*. 2022 Sep 26. doi: 10.1007/s00464-022-09638-4. PMID: 36163566
3. Mungo B, Hammad A, AlMasri S, Dogeas E, Nassour I, Singhi AD, Zeh HJ 3rd, **Hogg ME**, Lee KK, Zureikat AH, Paniccia A. Pancreaticoduodenectomy for benign and premalignant pancreatic and ampullary disease: is robotic surgery the better approach? *Surg Endosc*. 2022 Sep 22. doi: 10.1007/s00464-022-09632-w. PMID: 36138252
4. Korrel M, Lof S, Alseidi AA, Asbun HJ, Boggi U, **Hogg ME**, Jang JY, Nakamura M, Besselink MG, Abu Hilal M; International Consortium on Minimally Invasive Pancreatic Surgery (I-MIPS). Framework for Training in Minimally Invasive Pancreatic Surgery: An International Delphi Consensus Study. *J Am Coll Surg*. 2022 Sep 1;235(3):383-390. doi: 10.1097/XCS.000000000000278. Epub 2022 May 20. PMID: 35972156
5. Al Abbas AI, Hamad AB, Zenati MS, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Does CT scanning after pancreatoduodenectomy reduce readmission rates: an analysis of 900 resections at a high-volume center. *HPB (Oxford)*. 2022 Jul 1:S1365-182X(22)01512-X. doi: 10.1016/j.hpb.2022.06.012. PMID: 35871133
6. Zwart MJW, Jones LR, **Hogg ME**, Tol JAMG, Abu Hilal M, Daams F, Festen S, Busch OR, Besselink MG; HPB-Amsterdam. Robotic Pancreatoduodenectomy for Pancreatic Head Cancer: a Case Report of a Standardized Technique. *J Vis Exp*. 2022 Jun 24;(184). doi: 10.3791/62863. PMID: 35815992
7. AlMasri S, Zenati M, Hammad A, Nassour I, Liu H, **Hogg ME**, Zeh HJ, Boone B, Bahary N, Singhi AD, Lee KK, Paniccia A, Zureikat AH. Adaptive Dynamic Therapy and Survivorship for Operable Pancreatic Cancer. *JAMA Netw Open*. 2022 Jun 1;5(6):e2218355. doi: 10.1001/jamanetworkopen.2022.18355. PMID: 35737385
8. Liu JB, Tam V, Zenati MS, Schwartz D, Ali A, Low CA, Smith LJ, Zeh HJ 3rd, Zureikat AH, **Hogg ME**. Association of robotic approach with patient-reported outcomes after pancreatectomy: a prospective cohort study. *HPB (Oxford)*. 2022 Apr 26:S1365-182X(22)00103-4. doi: 10.1016/j.hpb.2022.04.008. PMID: 35568654
9. Rojas A, Paterakos P, Talamonti MS, **Hogg ME**. Robotic ampullectomy for benign tumors: A video technique demonstration. *Cir Esp (Engl Ed)*. 2022 May 1:S2173-5077(22)00092-8. doi: 10.1016/j.cireng.2022.04.017. PMID: 35508297
10. Vining CC, Kuchta K, Al Abbas AI, Hsu PJ, Paterakos P, Schuitevoerder D, Sood D, Roggin KK, Talamonti MS, **Hogg ME**. Bile leak incidence, risk factors and associated outcomes in patients undergoing hepatectomy: a contemporary NSQIP propensity matched analysis. *Surg Endosc*. 2022 Aug;36(8):5710-5723. doi: 10.1007/s00464-021-08938-5. Epub 2022 Apr 25. PMID: 35467144

11. Ramirez Barriga M, Rojas A, Roggin KK, Talamonti MS, **Hogg ME**. Development of a Two-Week Dedicated Robotic Surgery Curriculum for General Surgery Residents. *J Surg Educ*. 2022 Jul-Aug;79(4):861-866. doi: 10.1016/j.jsurg.2022.02.015. Epub 2022 Mar 26. PMID: 35351431
12. Radi I, Tellez JC, Alterio RE, Scott DJ, Sankaranarayanan G, Nagaraj MB, **Hogg ME**, Zeh HJ, Polanco PM. Feasibility, effectiveness and transferability of a novel mastery-based virtual reality robotic training platform for general surgery residents. *Surg Endosc*. 2022 Oct;36(10):7279-7287. doi: 10.1007/s00464-022-09106-z. Epub 2022 Feb 22. PMID: 35194662
13. Paniccia A, Polanco PM, Boone BA, Wald AI, McGrath K, Brand RE, Khalid A, Kubiliun N, O'Broin-Lennon AM, Park WG, Klapman J, Tharian B, Inamdar S, Fasanella K, Nasr J, Chennat J, Das R, DeWitt J, Easler JJ, Bick B, Singh H, Fairley KJ, Sarkaria S, Sawas T, Skef W, Slivka A, Tavakkoli A, Thakkar S, Kim V, Vanderveldt HD, Richardson A, Wallace MB, Brahmabhatt B, Engels M, Gabbert C, Dugum M, El-Dika S, Bhat Y, Ramrakhiani S, Bakis G, Rolshud D, Millspaugh G, Tielleman T, Schmidt C, Mansour J, Marsh W, Ongchin M, Centeno B, Monaco SE, Ohori NP, Lajara S, Thompson ED, Hruban RH, Bell PD, Smith K, Permut JB, Vandebussche C, Ernst W, Grupillo M, Kaya C, **Hogg M**, He J, Wolfgang CL, Lee KK, Zeh H, Zureikat A, Nikiforova MN, Singhi AD. Prospective, Multi-Institutional, Real-Time Next-Generation Sequencing of Pancreatic Cyst Fluid Reveals Diverse Genomic Alterations That Improve the Clinical Management of Pancreatic Cysts. *Gastroenterology*. 2022 Oct 6:S0016-5085(22)01086-1. doi: 10.1053/j.gastro.2022.09.028. PMID: 36209796
14. Hackeng WM, Brosens LAA, Kim JY, O'Sullivan R, Sung YN, Liu TC, Cao D, Heayn M, Brosnan-Cashman J, An S, Morsink FHM, Heidsma CM, Valk GD, Vriens MR, Nieveen van Dijkum E, Offerhaus GJA, Dreijerink KMA, Zeh H, Zureikat AH, **Hogg M**, Lee K, Geller D, Marsh JW, Paniccia A, Ongchin M, Pingpank JF, Bahary N, Aijazi M, Brand R, Chennat J, Das R, Fasanella KE, Khalid A, McGrath K, Sarkaria S, Singh H, Slivka A, Nalesnik M, Han X, Nikiforova MN, Lawlor RT, Mafficini A, Rusev B, Corbo V, Luchini C, Bersani S, Pea A, Cingarlini S, Landoni L, Salvia R, Milione M, Milella M, Scarpa A, Hong SM, Heaphy CM, Singhi AD. Non-functional pancreatic neuroendocrine tumours: ATRX/DAXX and alternative lengthening of telomeres (ALT) are prognostically independent from ARX/PDX1 expression and tumour size. *Gut*. 2022 May;71(5):961-973. doi: 10.1136/gutjnl-2020-322595. Epub 2021 Apr 13. PMID: 33849943
15. Zwart MJW, Jones LR, Fuente I, Balduzzi A, Takagi K, Novak S, Stibbe LA, de Rooij T, van Hilst J, van Rijssen LB, van Dieren S, Vanlander A, van den Boezem PB, Daams F, Mieog JSD, Bonsing BA, Rosman C, Festen S, Luyer MD, Lips DJ, Moser AJ, Busch OR, Abu Hilal M, **Hogg ME**, Stommel MWJ, Besselink MG; Dutch Pancreatic Cancer Group. Performance with robotic surgery versus 3D- and 2D-laparoscopy during pancreatic and biliary anastomoses in a biotissue model: pooled analysis of two randomized trials. *Surg Endosc*. 2021 Nov 19. doi: 10.1007/s00464-021-08805-3. PMID: 34799744
16. Ferral H, Alonzo MJ, Datri J, **Hogg ME**, Marsh R, Talamonti MS. Endovascular management of portal vein obstruction in hepatobiliary cancer patients. *J Surg Oncol*. 2021 Oct 13. doi: 10.1002/jso.26713. PMID: 34643276
17. Ahmad SB, Rice M, Chang C, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. dV-Trainer vs. da Vinci Simulator: Comparison of Virtual Reality Platforms for Robotic Surgery. *J Surg Res*. 2021 Aug 1;267:695-704. doi: 10.1016/j.jss.2021.06.036. Online ahead of print. *J Surg Res*. 2021. PMID: 34348185
18. Mullens CL, Van Horn AL, Marsh JW, **Hogg ME**, Thomay AA, Schmidt CR, Boone BA. Development of a Senior Medical Student Robotic Surgery Training Elective. *J Med Educ*

Curric Dev. 2021 Jun 29;8:23821205211024074. doi: 10.1177/23821205211024074.
eCollection 2021 Jan-Dec.J Med Educ Curric Dev. 2021.

19. Vining CC, Hsu PJ, Schuitevoerder D, Joseph NE, **Hogg ME**. Robotic Distal Pancreatectomy and Splenectomy for an Intrapancreatic Hepatocellular Carcinoma: A Case Report and Review of the Literature. *J Pancreat Cancer*. 2020 Oct 27;6(1):96-101. doi: 10.1089/pancan.2020.0009. eCollection 2020.J Pancreat Cancer. 2020. PMID: 34095737
Free PMC article.
20. Al Abbas AI, Wang C, Hamad AB, Knab LM, Rice MK, Moser AJ, Zeh HJ 3rd, Zureikat AH, **Hogg ME**. Mentorship and formal robotic proficiency skills curriculum improve subsequent generations' learning curve for the robotic distal pancreatectomy. Among authors: **hogg me**. *HPB (Oxford)*. 2021 May 5:S1365-182X(21)00132-5. doi: 10.1016/j.hpb.2021.04.022. Online ahead of print.*HPB (Oxford)*. 2021. PMID: 34059420
21. Chopra A, Zenati M, **Hogg ME**, Zeh HJ 3rd, Bartlett DL, Bahary N, Zureikat AH, Beane JD. Chopra A, et al. Impact of Neoadjuvant Therapy on Survival Following Margin-Positive Resection for Pancreatic Cancer. *Ann Surg Oncol*. 2021 May 23. doi: 10.1245/s10434-021-10175-y. Online ahead of print.*Ann Surg Oncol*. 2021. PMID: 34027585
22. Fei N, Wen S, Ramanathan R, **Hogg ME**, Zureikat AH, Lotze MT, Bahary N, Singhi AD, Zeh HJ, Boone BA. SMAD4 loss is associated with response to neoadjuvant chemotherapy plus hydroxychloroquine in patients with pancreatic adenocarcinoma. *Clin Transl Sci*. 2021 May 18. doi: 10.1111/cts.13029. Online ahead of print.*Clin Transl Sci*. 2021. PMID: 34002944
23. Ahmad SB, Rice M, Chang C, Hamad A, Kingham TP, He J, Pimiento JM, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. ASO Visual Abstract: Will It Play in Peoria? A Pilot Study of a Robotic Skills Curriculum for Surgical Oncology Fellows. *Ann Surg Oncol*. 2021 Apr 26. doi: 10.1245/s10434-021-10007-z. Online ahead of print.*Ann Surg Oncol*. 2021. PMID: 33900498
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24. Ahmad SB, Rice M, Chang C, Hamad A, Kingham TP, He J, Pimiento JM, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Will It Play in Peoria? A Pilot Study of a Robotic Skills Curriculum for Surgical Oncology Fellows. *Ann Surg Oncol*. 2021 Oct;28(11):6273-6282. doi: 10.1245/s10434-021-09913-z. Epub 2021 Mar 31.*Ann Surg Oncol*. 2021. PMID:
25. Low CA, Li M, Vega J, Durica KC, Ferreira D, Tam V, **Hogg M**, Zeh HJ, Doryab A, Dey AK. Digital Biomarkers of Symptom Burden Self-Reported by Perioperative Patients Undergoing Pancreatic Surgery: Prospective Longitudinal Study. *JMIR Cancer*. 2021 Apr 27;7(2):e27975. doi: 10.2196/27975.
26. Hackeng WM, Brosens LAA, Kim JY, O'Sullivan R, Sung YN, Liu TC, Cao D, Heayn M, Brosnan-Cashman J, An S, Morsink FHM, Heidsma CM, Valk GD, Vriens MR, Nieveen van Dijkum E, Offerhaus GJA, Dreijerink KMA, Zeh H, Zureikat AH, **Hogg M**, Lee K, Geller D, Marsh JW, Paniccchia A, Ongchin M, Pingpank JF, Bahary N, Aijazi M, Brand R, Chennat J, Das R, Fasanella KE, Khalid A, McGrath K, Sarkaria S, Singh H, Slivka A, Nalesnik M, Han X, Nikiforova MN, Lawlor RT, Mafficini A, Rusev B, Corbo V, Luchini C, Bersani S, Pea A, Cingarlini S, Landoni L, Salvia R, Milione M, Milella M, Scarpa A, Hong SM, Heaphy CM, Singhi AD. Non-functional pancreatic neuroendocrine tumours: ATRX/DAXX and alternative lengthening of telomeres (ALT) are prognostically independent from ARX/PDX1 expression and tumour size. *Gut*. 2021 Apr 13;gutjnl-2020-322595. doi: 10.1136/gutjnl-2020-322595. Online ahead of print.*Gut*. 2021. PMID: 33849943
27. Hoehn RS, Rieser CJ, Winters S, Stitt L, **Hogg ME**, Bartlett DL, Lee KK, Paniccchia A, Ohr JP, Gorantla VC, Krishnamurthy A, Rhee JC, Bahary N, Olson AC, Burton S, Ellsworth SG, Slivka A, McGrath K, Khalid A, Fasanella K, Chennat J, Brand RE, Das R, Sarkaria R, Singhi AD, Zeh HJ, Zureikat AH. ASO Visual Abstract: A Pancreatic Cancer Multidisciplinary Clinic

- Eliminates Socioeconomic Disparities in Treatment and Improves Survival. *Ann Surg Oncol*. 2021 May;28(5):2449-2450. doi: 10.1245/s10434-021-09726-0. *Ann Surg Oncol*. 2021. PMID: 33709172 No abstract available.
28. Takagi K, Umeda Y, Yoshida R, Yagi T, Fujiwara T, Zureikat AH, **Hogg ME**, Koerkamp BG. Takagi K, et al. Surgical training model and safe implementation of robotic pancreatoduodenectomy in Japan: a technical note. *World J Surg Oncol*. 2021 Feb 19;19(1):55. PMID: 33608019
 29. Schwarz JL, **Hogg ME**. Current state of minimally invasive pancreatic surgery. *J Surg Oncol*. 2021 Feb 9. PMID: 33559146
 30. AlMasri S, Zenati MS, Papachristou GI, Slivka A, Sanders M, Chennat J, Rabinowitz M, Khalid A, Gelrud A, Nasr J, Sarkaria S, Das R, Lee KK, Schraut W, Hughes SJ, Moser AJ, Paniccia A, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. Laparoscopic-assisted ERCP following RYGB: a 12-year assessment of outcomes and learning curve at a high-volume pancreatobiliary center. *Surg Endosc*. 2021 Feb 4. PMID: 33543349
 31. Zwart MJW, Nota CLM, de Rooij T, van Hilst J, Te Riele WW, van Santvoort HC, Hagendoorn J, Rinkes IHMB, van Dam JL, Latenstein AEJ, Takagi K, Tran TCK, Schreinemakers J, van der Schelling G, Wijsman JH, Festen S, Daams F, Luyer MD, de Hingh IHJT, Mieog JSD, Bonsing BA, Lips DJ, Hilal MA, Busch OR, Saint-Marc O, Zeh HJ 3rd, Zureikat AH, **Hogg ME**, Molenaar IQ, Besselink MG, Koerkamp BG; Dutch Pancreatic Cancer Group. Outcomes of a Multicenter Training Program in Robotic Pancreatoduodenectomy (LAELAPS-3). *Ann Surg*. 2021 Feb 1. PMID: 33534227
 32. Bonaroti JW, Zenati MS, Al-Abbas AI, Rieser CJ, Zureikat AH, **Hogg ME**, Zeh HJ, Boone BA. Impact of postoperative pancreatic fistula on long-term oncologic outcomes after pancreatic resection. *HPB (Oxford)*. 2021 Jan 16:S1365-182X(20)32406-0. PMID: 33526357
 33. Hoehn RS, Rieser CJ, Winters S, Stitt L, **Hogg ME**, Bartlett DL, Lee KK, Paniccia A, Ohr JP, Gorantla VC, Krishnamurthy A, Rhee JC, Bahary N, Olson AC, Burton S, Ellsworth SG, Slivka A, McGrath K, Khalid A, Fasanella K, Chennat J, Brand RE, Das R, Sarkaria R, Singhi AD, Zeh HJ, Zureikat AH. A Pancreatic Cancer Multidisciplinary Clinic Eliminates Socioeconomic Disparities in Treatment and Improves Survival. *Ann Surg Oncol*. 2021 Feb 1. PMID: 33523364
 34. Vining CC, Skowron KB, **Hogg ME**. Robotic gastrointestinal surgery: learning curve, educational programs and outcomes. *Updates Surg*. 2021 Jan 23. PMID: 33484423
 35. Das R, McGrath K, Seiser N, Smith K, Uttam S, Brand RE, Fasanella KE, Khalid A, Chennat JS, Sarkaria S, Singh H, Slivka A, Zeh HJ, Zureikat AH, **Hogg ME**, Lee K, Paniccia A, Ongchin MC, Pingpank JF, Boone BA, Dasyam AK, Bahary N, Gorantla VC, Rhee JC, Thomas R, Ellsworth S, Landau MS, Ohori NP, Henn P, Shyu S, Theisen BK, Singhi AD. Tumor Size Differences Between Preoperative Endoscopic Ultrasound and Postoperative Pathology for Neoadjuvant-Treated Pancreatic Ductal Adenocarcinoma Predict Patient Outcome. *Clin Gastroenterol Hepatol*. 2020 Dec 3:S1542-3565(20)31631-1. PMID: 33278573
 36. Chopra A, Hodges JC, Olson A, Burton S, Ellsworth SG, Bahary N, Singhi AD, Boone BA, Beane JD, Bartlett D, Lee KK, **Hogg ME**, Lotze MT, Paniccia A, Zeh H, Zureikat AH. Outcomes of Neoadjuvant Chemotherapy Versus Chemoradiation in Localized Pancreatic Cancer: A Case-Control Matched Analysis. *Ann Surg Oncol*. 2020 Nov 24. PMID: 33231769
 37. AlMasri SS, Zenati MS, Dasyam A, Singhi AD, Lee KK, Bartlett DL, Slivka A, McGrath K, Chennat J, Fasanella KE, Khalid A, Brand RE, Sarkaria S, Das R, **Hogg ME**, Zeh HJ, Paniccia A, Zureikat AH. Significance of Uncinate Duct Dilatation in IPMNs: A New High-risk Criterion? *Ann Surg*. 2020 Nov 12. PMID: 33201115

38. Schmidt CR, Harris BR, Musgrove KA, Rao P, Marsh JW, Thomay AA, **Hogg ME**, Zeh HJ, Zureikat AH, Boone BA. Formal robotic training diminishes the learning curve for robotic pancreatoduodenectomy: Implications for new programs in complex robotic surgery. *J Surg Oncol*. 2020 Nov 2; PMID: 33135785
39. Brown JA, Jung JP, Zenati MS, Simmons RL, Al Abbas AI, **Hogg ME**, Zeh HJ, Zureikat AH. Video review reveals technical factors predictive of biliary stricture and cholangitis after robotic pancreaticoduodenectomy. *HPB (Oxford)*. 2021 Jan;23(1):144-153. PMID: 32646806
40. Vining CC, Kuchta K, Berger Y, Paterakos P, Schuitevoerder D, Roggin KK, Talamonti MS, **Hogg ME**. Robotic pancreaticoduodenectomy decreases the risk of clinically relevant post-operative pancreatic fistula: a propensity score matched NSQIP analysis. *HPB (Oxford)*. 2020 Aug 15;S1365-182X(20)31094-7. doi: 10.1016/j.hpb.2020.07.004. PMID: 32811765
41. Al Abbas AI, Borrebach JD, Pitt HA, Bellon J, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. Development of a Novel Pancreatoduodenectomy-Specific Risk Calculator: an Analysis of 10,000 Patients. *J Gastrointest Surg*. 2020 Jul 15. doi: 10.1007/s11605-020-04725-0. PMID: 32671801
42. Zureikat AH, Beane JD, Zenati MS, Al Abbas AI, Boone BA, Moser AJ, Bartlett DL, **Hogg ME**, Zeh HJ 3rd. 500 Minimally Invasive Robotic Pancreatoduodenectomies: One Decade of Optimizing Performance. *Ann Surg*. 2019 Dec 5. PMID: 31851003
43. Vining CC, Eng OS, **Hogg ME**, Schuitevoerder D, Silverman RS, Yao KA, Winchester DJ, Roggin KK, Talamonti MS, Posner MC, Turaga KK, Tseng J. Virtual Surgical Fellowship Recruitment During COVID-19 and Its Implications for Resident/Fellow Recruitment in the Future. *Ann Surg Oncol*. 2020 May 18;1-5.: 32424589
44. Al Abbas AI, Zenati M, Reiser CJ, Hamad A, Jung JP, Zureikat AH, Zeh HJ 3rd, **Hogg ME**. Serum CA19-9 Response to Neoadjuvant Therapy Predicts Tumor Size Reduction and Survival in Pancreatic Adenocarcinoma. *Ann Surg Oncol*. 2020 Jun;27(6):2007-2014. PMID: 31898105
45. Brown JA, Zenati MS, Simmons RL, Al Abbas AI, Chopra A, Smith K, Lee KKW, **Hogg ME**, Zeh HJ, Paniccia A, Zureikat AH. Long-Term Surgical Complications After Pancreatoduodenectomy: Incidence, Outcomes, and Risk Factors. *J Gastrointest Surg*. 2020 Jul;24(7):1581-1589. PMID: 32410174
46. Al Abbas AI, Borrebach JD, Pitt HA, Bellon J, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. Development of a Novel Pancreatoduodenectomy-Specific Risk Calculator: an Analysis of 10,000 Patients. *J Gastrointest Surg*. 2020 Jul 15. PMID: 32671801
47. Liu H, Zenati MS, Rieser CJ, Al-Abbas A, Lee KK, Singhi AD, Bahary N, **Hogg ME**, Zeh HJ 3rd, Zureikat AH. CA19-9 Change During Neoadjuvant Therapy May Guide the Need for Additional Adjuvant Therapy Following Resected Pancreatic Cancer. *Surg Oncol*. 2020 Apr 22. PMID: 32318949
48. Zwart MJW, Jones LR, Balduzzi A, Takagi K, Vanlander A, van den Boezem PB, Daams F, Rosman C, Lips DJ, Moser AJ, **Hogg ME**, Busch ORC, Stommel MWJ, Besselink MG; Dutch Pancreatic Cancer Group. Added value of 3D-vision during robotic pancreatoduodenectomy anastomoses in biotissue (LAEBOT 3D2D): a randomized controlled cross-over trial. *Surg Endosc*. 2020 Jul 13. PMID: 32661707
49. Vining CC, Kuchta K, Schuitevoerder D, Paterakos P, Berger Y, Roggin KK, Talamonti MS, **Hogg ME**. Risk factors for complications in patients undergoing pancreaticoduodenectomy: A NSQIP analysis with propensity score matching. *J Surg Oncol*. 2020 Aug;122(2):183-194. PMID: 32445612
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ABSTRACTS, POSTERS AND PRESENTATIONS

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7. **Hogg ME**, Martinez J, Jiang Q, Varu VN, Chen A, Kibbe MR. Sex, Nitric Oxide, and Neointimal Hyperplasia: Size Matters. Presented at the Academic Surgical Congress, Ft Myers, FL, February 2009.
8. **Hogg ME**, Martinez J, Jiang Q, Banerjee M, Kibbe MR. The Weight is Over: Nitric Oxide is Less Effective at Inhibiting Neointimal Hyperplasia in Estrogen Deprived Females Compared to Males. Presented at the 5th Annual Lewis Landsberg Research Day, Northwestern University, Chicago, IL, April 2009.
9. Vavra A, Allen J, Martinez J, **Hogg ME**, Varu V, Koenke T, Ameer G, Kibbe MR. Endothelial Progenitor Cell-Lined ePTFE Vascular Grafts: In Vivo Feasibility Study. Presented at the 5th Annual Lewis Landsberg Research Day, Northwestern University, Chicago, IL, April 2009.
10. **Hogg ME**, Jiang Q, Murar J, Banerjee M, Kibbe MR. Endothelial Cells and Nitric Oxide: Males Live Free and Females Die Hard. Presented at the Association of VA Surgeons Annual Meeting, Cambridge, MA, April 2009. (Awarded Best Overall Paper).
11. Vavra AK, **Hogg ME**, Jiang Q, Kibbe MR. Effect of Ascorbic Acid and S-Nitrosoglutathione on Vascular Smooth Muscle Cell Proliferation. Presented at the Association of VA Surgeons Annual Meeting, Cambridge, MA, April 2009. (Awarded Best Basic Science Paper).
12. **Hogg ME**, Martinez J, Jiang Q, Banerjee M, Kibbe MR. The Weight is Over: Nitric Oxide is Less Effective at Inhibiting Neointimal Hyperplasia in Estrogen Deprived Females Compared to Males. Presented at the Arteriosclerosis, Thrombosis and Vascular Biology Annual Meeting, Washington, D.C. April 2009.
13. Vavra A, Allen J, Martinez J, **Hogg ME**, Varu V, Koenke T, Ameer G, Kibbe MR. Endothelial Progenitor Cell-Lined ePTFE Vascular Grafts: In Vivo Feasibility Study, Presented at the Arteriosclerosis, Thrombosis and Vascular Biology Annual Meeting, Washington, D.C. April 2009.
14. **Hogg ME**, Martinez J, Jiang Q, Banerjee M, Kibbe MR. The Weight is Over: Nitric Oxide is Less Effective at Inhibiting Neointimal Hyperplasia in Estrogen Deprived Females Compared to

- Males. Presented at the Research Initiatives, Society for Vascular Surgery, Washington, D.C. April 2009.
15. Vavra AK, **Hogg ME**, Jiang Q, Kibbe MR. Effect of Ascorbic Acid and S-Nitrosoglutathione on Vascular Smooth Muscle Cell Proliferation. Presented at the Rochester Vascular Symposium Annual Meeting, Rochester, NY, May 2009. Awarded 1st place for Best Resident Oral Presentation.
 16. Vavra AK, Allen J, Martinez J, **Hogg ME**, Varu VN, Koenke T, Ameer GA, Kibbe MR. Endothelial Progenitor Cell-Lined ePTFE Vascular Grafts: In Vivo Feasibility Study. Presented at the Association for Women Surgeons Meeting, Chicago, IL, October 2009.
 17. **Hogg ME**, Jiang Q, Banerjee M, Kibbe MR. Estrogen Receptors Knockout the Efficacy of Nitric Oxide. Presented at the 5th Academic Surgical Congress, San Antonio, TX, February 2010. (Awarded 3rd Place Presentation).
 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 Pancreatectomy” 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. S.B. Ahmad, M. Rice, A. Datta, A.H. Zureikat, H.J. Zeh, **M.E. Hogg.** Virtual Reality Simulation: Mimic dV-Trainer vs. da Vinci Surgical Backpack Platforms. Presented at AAS-SUS February 2020 in Orlando, FL
 66. Muaz Aijazi, MD, Aatur D. Singhi, MD PhD, Michael A. Nalesnik, MD, Roderick J. O’Sullivan, PhD, Somak Roy, MD, Kenneth K. Lee, Nathan Bahary, MD PhD, Randall E. Brand, MD, Jennifer S. Chennat, MD, Kenneth E. Fasanella, MD, Kevin McGrath, MD, Marina N. Nikiforova, MD, Adam Slivka, MD PhD, **Melissa E. Hogg, MD,** Herbert J. Zeh, MD, Amer H. Zureikat, MD. A Systematic Evaluation of Cell Lineage Among Nonfunctional Pancreatic Neuroendocrine Tumors (PanNETs) and their Relationship to Genomic Alterations Associated with Metastatic Disease and Poor Patient Survival. Presented at Asco GI San Fransisco 2020.
 67. Asmita Chopra M.B.B.S, Mazen Zenati M.D., **Melissa Hogg M.D.,** Herbert Zeh M.D., David Bartlett M.D., Nathan Bahary M.D., Amer H. Zureikat M.D., Joal D. Beane M.D. Impact of

- Neoadjuvant Therapy on Survival Following R1 Resection for Pancreatic Cancer. Presented at Asco GI San Fransisco 2020.
68. Musgrove KA, MD¹; **Hogg ME**, MD²; Marsh JW, MD¹; Zeh HJ, MD³; Zureikat AH, MD⁴; Schmidt CR, MD¹; Boone BA, MD¹ Formal Robotic Training Reduces the Learning Curve of Robotic Pancreaticoduodenectomy. Presented at AHPBA Miami 2020.
 69. Darryl Schuitevoerder, Charles Vining, **Hogg ME**. AHPBA Robotic Whipple w/Aberrant Artery. Presented at AHPBA Miami 2020.
 70. Charles C. Vining¹, Kristine Kuchta², Yaniv Berger¹, Pierce Paterakos², Darryl Schuitevoerder¹, Kevin K. Roggin¹, Mark Talamonti², **Melissa E. Hogg**². Robotic Pancreaticoduodenectomy Decreases the Risk of Post-Operative Pancreatic Fistula: A Propensity Matched NSQIP Analysis. Presented at AHPBA Miami 2020.
 71. Sarwat Ahmad, MD; MaryJoe Rice, MS; Ahmad Hamad, MD; Cecilia Chang; Avisek Datta; Peter Kingham, MD; Vivian Strong, MD; Jin He, MD; Chris Wolfgang, MD; Jose Pimiento, MD; Amer Zureikat, MD; Herbert Zeh, MD; **Melissa Hogg**, MD MS FACS. Will it play in Peoria? A pilot study of a robotic skills curriculum for HPB surgeons. Presented at SSO *Virtual* 2020.
 72. Charles C. Vining¹, Kristine Kuchta², Yaniv Berger¹, Pierce Paterakos², Darryl Schuitevoerder¹, Kevin K. Roggin¹, Mark Talamonti², **Melissa E. Hogg**². Comparing the Morbidity of Robotic versus Open Pancreaticoduodenectomy: A Contemporary NSQIP Analysis. Presented at SSO *Virtual* 2020.
 73. Asmita Chopra M.B.B.S.¹, Jacob Hodges M.S.¹, Adam Olson M.D.², Steve Burton M.D.², Kenneth Lee M.D.¹, Nathan Bahary M.D.³, Aatur Singhi M.D.⁴, Brian Boone M.D.⁵, Michael Lotze M.D.¹, Melissa Hogg M.D.⁶, Herbert Zeh M.D.⁷, Amer H. Zureikat M.D.¹ Neoadjuvant Chemotherapy versus Chemoradiation in Localized Pancreatic Cancer: An Average Treatment Effect Analysis. Presented at SSO *Virtual* 2020.
 74. Naomi Fei¹, Sijin Wen², Pavan Rao³, Rajesh Ramanathan⁴, **Melissa E. Hogg**⁵, Amer Zureikat⁴, Michael T. Lotze⁴, Nathan Bahary⁶, Aatur D. Singhi⁷, Herbert J. Zeh^{4,8}, Brian A. Boone^{3,4} SMAD4 Loss is Associated with Response to Neoadjuvant Chemotherapy with the Autophagy Inhibitor Hydroxychloroquine in Patients with Pancreatic Adenocarcinoma. Presented at SSO *Virtual* 2020.
 75. Vernissia Tam, Mazen Zenati, Danielle Schwartz, Areej Ali, Carissa Low, Lilian Smith, Herbert Zeh III, Amer Zureikat, **Melissa Hogg**. The Impact Of Robotic Surgery On Quality Of Life Following Pancreatic Surgery: A Prospective Study. Presented at SAGES *Virtual* 2020.
 76. Vernissia Tam, Mazen Zenati, Danielle Schwartz, Areej Ali, Carissa Low, Lilian Smith, Herbert Zeh III, Amer Zureikat, **Melissa Hogg**. The Impact Of Robotic Surgery On Functional Recovery Following Pancreatic Surgery: A Prospective Study. Presented at SAGES *Virtual* 2020.
 77. Charles C. Vining¹, Kristine Kuchta², Phillip J. Hsu¹, Yaniv Berger¹, Pierce Paterakos², Darryl Schuitevoerder¹, Kevin K. Roggin¹, Mark Talamonti², **Melissa E. Hogg**². Risk Factors for Postoperative Bile Leak in Patients Undergoing Minimally Invasive Hepatectomy: A Contemporary ACS NSQIP Analysis. Virtual IHPBA Melbourne 2020 pushed to 2021.
 78. Charles C. Vining, Kristine Kuchta, Yaniv Berger, Pierce Paterakos, Darryl Schuitevoerder, Kevin K. Roggin, Mark Talamonti, **Melissa E. Hogg**. Predictors of Conversion and Outcomes for Patients Undergoing Minimally Invasive Hepatectomy: A Contemporary ASC NSQIP Analysis. Virtual IHPBA Melbourne 2020 pushed to 2021.
 79. Yohei Kojima, MD.PhD Nobutsugu Abe, MD.PhD **Melissa Hogg**, MD.MS. " Introduction Of Robotic Skills Rotation For Surgical Residents Of Northshore University Health System. Japanese Meeting 2021
 80. Benedetto Mungo¹, Abdulrahman Hammad¹, Samer Al Masri¹, Epameinondas Dogeas¹, Ibrahim Nassour¹, Aatur D. Singhi², Herbert J. Zeh III³, **Melissa E. Hogg**⁴, Kenneth K. W. Lee¹, Amer H.

- Zureikat¹, Alessandro Paniccia¹ Pancreaticoduodenectomy for Benign and Pre-malignant Pancreatic and Ampullary Disease: Is Robotic Surgery the Better Approach? AHPBA 2021
81. Vining CC, Kutcha K, **Hogg ME**. Comparison of Robotic Versus Open Pancreaticoduodenectomy: Achieving a Textbook Oncologic Operations for Pancreatic Adenocarcinoma. AHPBA 2021
 82. Samer AlMasri¹, Wooil Kwon², Kenneth K. Lee¹, Alexander S. Thomas², Alessandro Paniccia¹, Beth A. Schrope², Herbert J Zeh III³, John A. Chabot², **Melissa Hogg⁴**, Amer H. Zureikat¹, Michael D. Kluger². Reasons for Conversion by Experienced Surgeons Differ for Laparoscopic and Robotic Distal Pancreatectomy; a Multi-Institutional Analysis. AHPBA 2021
 83. Katelyn Smith, BA, Simmi Patel, MD, Amer H. Zureikat, MD, Alessandro Paniccia, MD, Kenneth K. Lee, MD, Herbert J. Zeh, MD, **Melissa E. Hogg, MD**, Melanie C. Ongchin, MD, James F. Pingpank, MD, Michael S. Landau, MD, Aatur D. Singhi, MD PhD. Duodenal/Ampullary Invasion is a Poor Prognostic Factor for Neoadjuvant-Treated Pancreatic Ductal Adenocarcinoma Patients. AHPBA 2021
 84. M.J.W. Zwart¹ BSc, L.R. Jones^{1,2} BSc, Ignacio Fuente³ MD, A. Balduzzi^{1,4} MD, K. Takagi^{5,6} MD PhD, S. Novak⁷ MSc, L.A. Stibbe¹ MD, T. de Rooij¹ MD PhD, J. van Hilst¹ MD PhD, L.B. van Rijssen¹ MD PhD, S. van Dieren¹ PhD, A Vanlander⁸ MD PhD, P.B. van den Boezem⁹ MD PhD, F. Daams¹⁰ MD PhD, J.S.D. Mieog¹¹ MD PhD, B.A. Bonsing¹¹ MD PhD, C. Rosman⁹ MD PhD, S. Festen¹² MD PhD, M.D. Luyer¹³ MD PhD, D.J. Lips¹⁴ MD PhD, A.J. Moser¹⁵ MD, O.R. Busch¹ MD PhD, M. Abu Hilal² MD PhD FACS FRCS **M.E. Hogg¹⁶ MD**, M.W.J. Stommel⁹ MD PhD, M.G. Besselink¹ MD PhD, for the Dutch Pancreatic Cancer Group. Performance with robotic surgery versus 3D- and 2D-laparoscopy during pancreatic and biliary anastomoses in a biotissue model: pooled analysis of two randomized trials. E-AHPBA 2021
 85. Maurice J.W. Zwart^{*1}, Leia R. Jones^{*1,2}, **Melissa E. Hogg³**, Johanna A.M.G. Tol,¹ Mohammad Abu Hilal², Freek Daams⁴, Sebastiaan Festen⁵, Olivier R. Busch¹, Marc G. Besselink¹ for HPB Amsterdam. Robotic Pancreatoduodenectomy for Pancreatic Cancer with Aberrant Vasculature: How to Do It. E-AHPBA 2021
 86. Divya Sood, MDa; Kristine Kuchta, MSb; Pierce Paterakos, BSb; Jason L. Schwarz, MDa; Aram Rojas, MDb; Sung Hoon Choi, MDb; Charles C. Vining, MDc; Mark S. Talamonti, MD, FACS^b; **Melissa E. Hogg, MD, MS; FACS^b** “Extended Post-operative Thromboprophylaxis After Pancreatic Resection for Pancreatic Cancer is Associated with Decreased Risk of Venous Thromboembolism in the Minimally Invasive Approach” ACS 202110/25/2021
 87. A Rojas, P Petarakos, M Talamonti, **ME Hogg**. “Robotic Ampullectomy for Benign Tumors: How I Do It” WSA 202111/9/2021
 88. Rojas A, Ramirez Barriga M, Al Abbas Al, Schwarz JL, Roggin KK, Talamonti MS, **Hogg ME**. “How do you deliver a robotic virtual reality simulation curriculum to general surgery residents?” AAS-SUS 2022. 2/3/2022
 89. Jasmine D Kraftician, BS¹; Kristine Kuchta, MS²; Mazen S Zenati, MD, PhD³; Samer AlMasri, MD^{1,3}; Hussein H Khachfe, MD³; Maya Maalouf, MS¹; Annissa Desilva, BS¹; Abdulrahman Y Hammad, MD³; Alessandro Paniccia, MD^{1,3}; Kenneth K Lee, MD^{1,3}; Herbert J Zeh, MD⁴; Amer H Zureikat, MD^{1,3}; **Melissa E Hogg, MD²** “Biotissue Curriculum Translates to Performance in the Operating Room for Robotic Pancreaticoduodenectomy” SSO 2022. 3/2/2022
 90. Amr I. Al Abbas MD, Kristine Kuchta PhD, Kevin K. Roggin MD, Mark S. Talamonti MD, **Melissa E. Hogg MD MS** “The Minimally Invasive Approach confers Improved Outcomes in Frail Patients Undergoing Hepatectomy: An ACS NSQIP Analysis” SSO 2022. 3/9/2022
 91. M. Ramirez Barriga, A. Al Abbas, J. Schwarz, A. Rojas, K.K. Roggin, M.S. Talamonti, **M.E. Hogg**. “Resident Response to a Dedicated Two-Week Robotic Rotation” SAGES 2022 3/15/2022

92. A Rojas, P Petarakos, M Talamonti, M Hogg. "Robotic Whipple and Remnant Gastrectomy s/p Roux-en-Y Gastric Bypass" IHPBA. 3/30/22
93. M. Ramirez Barriga, A. Al Abbas, J. Schwarz, A. Rojas, K.K. Roggin, M.S. Talamonti, **M.E. Hogg**. "Mastery-based Virtual Reality Simulation: A First Step to Robotic Proficiency" ASE 2022. 5/2/2022
94. M.J.W. Zwart^{**}; B. van den Broek^{¶*}, D.S.J. Pajjens^{*}, Sabrina Zwetsloot^{*}, A. Comandatore[%], T. Geraedts^{\$}, RJ Schipper^{\$}, O.R. Busch^{*}, T.C.K. Tran[¶], M.D. Luyer^{\$}, J. Schreinemakers, J.H. Wijsman, G.P. van der Schelling, I.H.J.T. de Hingh^{\$}, J.S.D. Mieog^{\$}, B.A. Bonsing^{\$}, K. Takagi[¶], R.F. de Wilde[¶], L. Morelli[%], H.J. Zeh III[#], A.H. Zureikat[^], **M.E. Hogg**[¶], B. Groot Koerkamp[¶], M.G. Besselink^{**}, for the Dutch Pancreatic Cancer Group. "Video Analysis of Gastro-Jejunostomy to predict Delayed Gastric Emptying After Robotic Pancreatoduodenectomy; Preliminary analysis of two centers" European Pancreas Club 2022. 5/15/2022
95. M.J.W. Zwart^{**}; B.L.J. van den Broek^{*¶}, T. Geraedts^{\$}, RJ Schipper^{\$}, S.L.M. Zwetsloot^{*}, A. Comandatore[%], O.R. Busch^{*}, T.C.K. Tran[¶], M.D. Luyer^{\$}, J. Schreinemakers, J.H. Wijsman, G.P. van der Schelling, I.H.J.T. de Hingh^{\$}, J.S.D. Mieog^{\$}, B.A. Bonsing^{\$}, K. Takagi[¶], R.F. de Wilde[¶], L. Morelli[%], H.J. Zeh III[#], A.H. Zureikat[^], **M.E. Hogg**[¶], M.G. Besselink^{**}, B. Groot Koerkamp^{*¶}, for the *Dutch Pancreatic Cancer Group*. "Video Analysis of Hepaticojejunostomy to Predict Biliary Complications After Robotic Pancreatoduodenectomy" European Pancreas Club 2022. 5/15/2022
96. B.L.J. van den Broek^{*¶}, M.J.W. Zwart^{**}, B.A. Bonsing^{\$}, O.R. Busch^{*}, Jacob L. van Dam[¶], I.H.J.T. de Hingh^{\$}, **M.E. Hogg**[¶], M.D. Luyer^{\$}, J.S.D. Mieog^{\$}, S. Novak[^], L.A. Stibbe^{*}, K. Takagi[¶], T.C.K. Tran[¶], R.F. de Wilde[¶], H.J. Zeh III[#], A.H. Zureikat[^], B. Groot Koerkamp^{*¶}, M.G. Besselink^{**}, for the Dutch Pancreatic Cancer Group. "Video grading of the pancreatic anastomosis during robotic pancreatoduodenectomy to assess learning curve and risk of pancreatic fistula" European Pancreas Club 2022. 5/15/2022
97. Jasmine D Kraftician, BS¹; Kristine Kuchta, MS²; Mazen S Zenati, MD, PhD³; Samer AIMasri, MD^{1,3}; Hussein H Khachfe, MD³; Maya Maalouf, MS¹; Annissa Desilva, BS¹; Abdulrahman Y Hammad, MD³; Alessandro Paniccia, MD^{1,3}; Kenneth K Lee, MD^{1,3}; Herbert J Zeh, MD⁴; Amer H Zureikat, MD^{1,3}; **Melissa E Hogg, MD²** "Biotissue Curriculum Translates to Performance in the Operating Room for Robotic Pancreaticoduodenectomy" Pancreas Club 2022. 5/21/2022
98. Sung Hoon Choi, M.D.^{1,2}, Kristine Kuchta, M.S.¹, Aram Eduardo Rojas, M.D.¹, Pierce Paterakos, B.S.¹, Mark S. Talamonti, M.D., FACS¹, **Melissa E. Hogg, M.D., M.S., FACS¹**. "Does minimally invasive surgery have different impact on recurrence and overall survival in patients with pancreatic head versus body/tail cancer?" Pancreas Club 2022. 5/21/2022

PUBLICATIONS

Manuscripts in Submission

1. NSQIP Conversion
2. Head vs Tail
3. NSQIP NET Debulking
4. Compliance
5. US PJ vs Korean PJ
6. *Simulation*
7. *Robot Hernia*
8. *NSQIP Frailty*

Curriculum Vita
11/21/2022

Melissa E Hogg, MD
Assistant Professor of Surgery
Page 30

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

Melissa Ramirez 6/19 – Present

Peirce Paterakos 10/19 – Present

Medical Student

Jozef Murar, BS 5/08 – 06/09 Alpha Omega Alpha Student Research Award
Waseem Lutfi, BS 8/16 – 8/18 T35

Post-Doctoral

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

Amr Al-abbas, MD 7/17 – 8/2018

Amar Rojas, MD 2020 – Present

Syed Medhi, MBBS 2022 - Present

Junior Resident

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

Caroline Rieser, MD 4/16 – 8/2018

Jason Schwarz, MD 9/20 – Present MERITS application

Lab Resident

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

Fellow

Mark Knab, MD 7/16 – 8/2018 ICRE Medical Education

Charles Vining, MD 8/18 – 8/21 Clinical Research

RESEARCH:

GRANT SUPPORT:

Curriculum Vita
11/21/2022

Melissa E Hogg, MD
Assistant Professor of Surgery
Page 31

Completed Research Support

2016-2019 Intuitive Surgical Unrestricted Education Grant

Dr. Herbert Zeh (Co-PI) 08/2016 – 08/2019

SSO Fellow National Robotic Training Program

The goal of this study is to assess remotely instituting a robotic gastrointestinal surgery curriculum at remote Complex General Surgical Oncology Sites

Role: (Co-PI)

2017-2019 Society of American Gastrointestinal and

Dr. Vernissia Tam (Co-PI) 12/2016 – 09/2019

Endoscopic Surgeons

Functional Recover and Quality of Life following Pancreatic Surgery

The goal of this study is to study the difference in functional recovery using smart phones and Fitbits and quality of life using multiple surveys between open versus robotic pancreas surgery

Role: (Co-PI)

2017 Summer T35

Dr. Hogg (PI)

05/2107 – 05/2018

Identifying National Disparities in the Treatment of Pancreatic Cancer”

Medical Student Research Program – Waseem Lutfi

The goal of this study is to assess disparities in the treatment of all stages of pancreatic cancer on a national scale using administrative databases.

Role: (Mentor to Medical Student)

2017-2018 TL1 Trainee Grant

Dr. Hogg (PI)

04/2017– 07/2018

Does Functional Recovery and Quality of Life Improve?

Masters Mentorship Program – Vernissia Tam

The goal of this study is to study the difference in functional recovery using smart phones and Fitbits and quality of life using multiple surveys between open versus robotic pancreas surgery

Role: (Mentor to Resident)

2008-2009 AMA Foundation Seed Grant.

Mentor: Melina R. Kibbe

“Sex and Hormones: A New Way to Look at Vascular Injury,”

Role: PI

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	closed	Randomized Phase II trial of Pre-Operative Gemcitabine and nab Paclitaxel with or with out Hydroxychloroquine (UPCI# 13-074)
PCI 16-071	Co-PI	Investigator Initiated	UPMC Enterprises SAGES Department	closed	Comparing Functional Recovery and Quality of Life Following Pancreas Surgery Between the Robotic and Open Surgical Approach (UPCI# 16-071)
EH18-265	Site PI	NSQIP	MSKCC	closed	A Phase III Multicenter, Open Label Randomized Controlled Trial of Cefoxitin versus Piperacillin-Tazobactam as Surgical Antibiotic Prophylaxis in Patients Undergoing Pancreatoduodenectomy
NCT04239573	Site PI	ECOG	NCI, NIH	open	EA2185: Comparing the Clinical Impact of Pancreatic Cyst Surveillance Programs

CURRENT SERVICE:

Volunteer	The Neighborhood Academy Pittsburgh, PA	2013-2018	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
 - e. Clinical Competency Committee
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
 - e. Clinical Competency Committee
3. 2018 – Present: Director of Robotic Training Grainger Simulation Laboratory
 - a. Faculty
 - b. Trainees
4. Resident Rotation TEC
 - a. Northshore HPB: 4-6 week resident rotation
 - i. 1 hour HPB US Simulation / month
 - b. Robotic Skills Rotation: 2 week resident rotation
 - i. 1 hour suturing Simulation / week
5. Fellow Rotation TEC
 - a. HPB 12 week fellow rotation
 - b. Robotic Skills 2 week fellow rotation
 - i. 1 hour suturing Simulation / week
6. 2019 – Present: Resident Advisor
 - a. Hoover Wu 2024
 - b. Hunter Witmer 2025
 - c. David Jiang 2026
 - d. Marie Fefferman 2027
 - e. Kelly Twohig 2028
 - f. Colin Wang 2029
 - g. Kylie Zane (IR – prelim)
7. 2013-2018 CGSO Fellowship Clinical Competency Committee UPMC

OVERVIEW:

Activity	Students	# Contact hours week
Robot Simulation	3 – Fellows/year	10 hours/week

	~10 residents/year ~5 attendings/year	
Laparoscopic Ultrasound	6-8 – residents/year	1 hour/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	3	Houston	Attending HPB Surgeons	Pig
December	2019	7	Houston	Attending HPB Surgeons	Cadaver
February	2020	4	Houston	Attending HPB Surgeons	Cadaver
May	2021	50	France IRCAD	Attending HPB Surgeons	Virtual
June	2021	2	Chicago	Attending HPB Surgeons	Pig
July	2021	50	France IRCAD	Attending HPB Surgeons	Virtual
October	2021	30	Chicago ACS	Attending Oncology Surgeons	Virtual
November	2021	16	Chicago	Residents	Kind Heart Pig Intestine
December	2021	30	France IRCAD	Attending HPB Surgeons	Cadaver
December	2021	100	France IRCAD	Attending HPB Surgeons	Pig
March	2022	40	Dallas SSO	Attending Oncology Surgeons	Patient
August	2022	16	Chicago	Residents	Kind Heart Pig Intestine
October	2022	100	France IRCAD	Attending HPB Surgeons	Pig

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. Learnbot Europe (2020 – Present)
 - a. Copenhagen
 - b. Brescia
 - c. Linköping
 - d. Stockholm
 - e. Luxemburg
 - f. Genève
 - g. Dublin
2. Netherlands (Lealaps-3 2016-2020)
 - a. UMCU
 - b. At. Antonius
 - c. Radboud UMC
 - d. OLVG
 - e. Maasstad
 - f. LUMC
 - g. Erasmus MC
 - h. Amphia Ziekenhuis

- i. AMC
- j. MUMC
- 3. Germany
 - a. Heidelberg
 - b. Dresden
 - c. University Hospital Erlangen
- 4. Singapore
 - a. AAMG
- 5. Mexico
 - a. National Medical Center 20 de noviembre
- 6. Korea
 - a. Daejeon Sun Hospital, Sun Medical Center

- 7. USA
 - a. Miami, FL
 - b. Johns Hopkins (fellows only), MD
 - c. Moffitt (fellows only), FL
 - d. Memorial Sloan Kettering (fellows only), NY
 - e. University of Chicago, IL
 - f. Northshore Health System, IL
 - g. Lahey Clinic, MS
 - h. Ohio State University, OH
 - i. University of North Carolina, NC
 - j. Loyola University, IL
 - k. Rush University, IL
 - l. University of Arizona, AZ
 - m. Emory, GA
 - n. Baylor in Houston, TX
 - o. Memorial Sloan Kettering, NY
 - p. Southern Illinois University, IL
 - q. Louisville, KY
 - r. City of Hope, CA
 - s. MUSC, SC

TRAINEE LECTURES:

Lecture	Dates	Students	Evaluations
NorthShore - HPB Consults	5/9/2022	20 PAs	
How to Write an Abstract and Manuscript	5/7/2022	40 - Residents	
Pancreatic cancer systemic therapies: neoadjuvant, adjuvant, and metastatic disease	2/2020, 3/2021, 2/2022	2 – Fellows	

Cystic neoplasms of the pancreas and biliary tree (choledochal cysts)	2/2020, 3/2021, 3/2022	2 – Fellows	
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	

MOCK ORAL BOARDS:

1. SSO CGSO Board Review Course 2022 – Mock Oral Boards HPB Room 1/25/2020 (Chicago)
2. SSO CGSO Board Review Course 2022 – Mock Oral Boards HPB Room 1/30/2021 (Virtual)
3. SSO CGSO Board Review Course 2022 – Mock Oral Boards HPB Room 1/22/2022 (Virtual)

INVITED LECTURES (Domestic):

Curriculum Vita
11/21/2022

Melissa E Hogg, MD
Assistant Professor of Surgery
Page 38

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." Visiting Professor 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.
30. **Hogg ME.** “Robotic Training: What time is the Right Time?” Grand Rounds @ Dartmouth 9/6/2019
31. **Hogg ME.** “Beyond IDEAL: Training for Robotic HPB Surgery - The Next Iteration” Grand Rounds @ MD Anderson Cancer Center 9/25/2019
32. **Hogg ME.** “Training the Next Generation Robotic Surgery” Grand Rounds @ Mt. Sinai 1/8/2020
33. **Hogg ME.** “Pancreas Adenocarcinoma: The Surgical Approach” Grand Rounds Medicine @ Northshore 1/24/2020
34. **Hogg ME.** “Pancreas Review” CGSO Board Review @SSO, Chicago, IL 1/25/2020
35. **Hogg ME.** “Tools to Succeed in Medical School and Residency: Lessons Learned” Women in Surgery Conference February 2020 in Clearwater, FL
36. **Hogg ME.** “Video Presentation: Tips and Tricks, When to Convert.” AHPBA 2020 Annual Meeting Miami, FL 3/5/20
37. **Hogg ME.** “How Do HPB Centers Establish an MIS-HPB Line of Service?” AHPBA 2020 Annual Meeting Miami, FL 3/5/20
38. **Hogg ME.** Minimally Invasive RAMPS Procedure. SAGES *Virtual Webinar* April 2020
39. **Hogg ME** and Parikh A. Moderate Tumor Board: Multi-Disciplinary Management of HPB Malignancy during COVID-19. SSO *Virtual Webinar* May 2020
40. **Hogg ME** and Parikh A. Moderate Tumor Board: Multi-Disciplinary Management of Resectable and Borderline Resectable Pancreas Cancer. SSO *Virtual Webinar* May 2020
41. **Hogg ME.** What is the Pathway to Proficiency for Complex Robotic Surgery? SRS August 2020 *Virtual Meeting*
42. **Hogg ME** and Tseng J. Teaching During Procedures/Teaching in the OR. University of Chicago FAME Seminar *Virtual Webinar* August 2020
43. **Hogg ME.** Robotic oncologic surgery-- indications, training. American College of Surgeons October 2020 *Virtual Meeting*
44. **Hogg ME.** Training and Implementation of MIPR. American College of Surgeons October 2020 *Virtual Meeting*
45. **Hogg ME.** “Beyond IDEAL: Training for Robotic HPB Surgery - The Next Iteration” Grand Rounds @ Memorial Sloan Kettering (virtual) November 2020.
46. **Hogg ME.** “Training the Next Generation Robotic Surgery” Grand Rounds @ Northwestern (virtual) November 2020.
47. **Hogg ME.** “Pancreas Review” CGSO Board Review @SSO (virtual) 1/26/2021
48. **Hogg ME.** “Training the Next Generation Robotic Surgery” Grand Rounds @ Wake Forest (virtual) April 2021.
49. **Hogg ME.** Curricular Development: Kerns 6 Steps. University of Chicago FAME Seminar

Virtual Webinar May 2021

50. **Hogg ME.** How to Make the Jump to Robotic Whipple. AHPBA August 2021
51. **Hogg ME.** Pre-Congress Symposium: Controversies in HPB Oncology - Pancreatic Adenocarcinoma. AHPBA August 2021
52. **Hogg ME.** Blumgart Lecture. "MIS Pancreatectomy: Program Logistics and Technical Aspects of Surgery" September 2021
53. **Hogg ME.** ACS Robotic GI Course. "Robotic Distal Pancreatectomy" Virtual October 2021
54. **Hogg ME.** "Importance of Simulation in Decreasing the Learning Curve in Robotic GI Surgery" ACS October, 2021
55. **Hogg ME.** "Surgical Education Debate: More Simulation" Chicago Surgical, October 2021
56. **Hogg ME.** DEBATE | Transcystic Common Bile Duct Exploration vs. ERCP. WSA November 2021
57. **Hogg ME.** "Robotic Whipples and Robotic Residency Training: Two Sides of the Same Coin" Visiting Professor Grand Rounds. Chicago, IL. November 2021.
58. **Hogg ME.** "Direct Observation of Medical Trainees" University of Chicago FAME. December 2021.
59. **Hogg ME.** "Pancreas Review" CGSO Board Review @SSO (virtual) 1/22/2022
60. **Hogg ME.** "Robotic Pancreatic Surgery" AGH Pancreatic MDC Symposium -2/11/2022
61. **Hogg ME.** "Diversity and Inclusion for Medicine Panel" WIS 2022 -3/4/2022
62. **Hogg ME.** "Advancement to Mid- and Upper-Level Positions" WIS 2022 -3/4/2022
63. **Hogg ME.** "Robotic HPB Surgery: The Past, The Present, The Future" MUSC Grand Rounds - 3/8/2022
64. **Hogg ME.** "How to Train for Robotic Surgery" SSO 2022 Robotic Pre-Course 3/9/2022
65. **Hogg ME.** Course "Pursuing a career in academia vs. private practice" SSO 2022 Fellowship Institute Pre- 3/9/2022
66. **Hogg ME.** "How to Repair a Bile Duct Injury" SAGES 2022 -3/16/2022
67. **Hogg ME.** "Bile Leak s/p Biliary-enteric Anastomosis" SAGES 2022 -3/17/2022
68. **Hogg ME.** "Open vs. Robotic; PDAC with Vascular Involvement" IHPBA 2022 -3/32/2022
69. **Hogg ME.** "Robotic Central Pancreatectomy" KSELS 2022 - 4/28/2022
70. **Hogg ME.** "Surgical Simulation for Evaluating Technical Proficiency" SSAT 2022 -5/23/2022
71. **Hogg ME.** "Resident [Fellow] Education: What Can We Learn From Video Based Assessment Of Simulated Drills" UTSW Video Based Assessment Club - 8/15/2022
72. **Hogg ME.** "MIS [Robotics] in Surgical Oncology" ACS 2022. 10/20/22.
73. **Hogg ME.** Blumgart Lecture. "MIS Pancreatectomy" 10/20/22
- 74.

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 Yangoon, 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.
21. **Hogg ME.** Training in Robotic Pancreas Surgeries. ASEAN Lap HPB Conference August 2020 *Virtual Meeting*
22. **Hogg ME.** Robotic approach to Pancreas Surgery current status and how to get there. KSELS 2020 and KAROS Congress August 2020
23. **Hogg ME** and Tseng J. IMEP - Teaching During Procedures/Teaching in the OR. University of Chicago Wuhan Collaborative Seminar *Virtual Webinar* September 2020
24. **Hogg ME.** “Debate: Pro – Robotic Pancreatoduodenectomy” to be Presented at IHPBA (formerly Melbourne, Australia) November 2020.
25. **Hogg ME.** “The Learning Process of Minimally Invasive Pancreatoduodenectomy.” Tongji University *Virtual Webinar* September (Shanghai, China) September 2020
26. **Hogg ME.** “Robotic Training Curricula in Complex Surgical Oncology and the Role of Virtual Reality” DGCH – ACS International Panel *Training Concepts in Robotic Surgery* (Munich, Germany) April 2021

27. **Hogg ME.** “Robotic Left Pancreatectomy” IRCAD France, May 2021
28. **Hogg ME.** “Robotic Pancreaticoduodenectomy” IRCAD France, July 2021
29. **Hogg ME.** “Colorectal Liver Metastasis” Visiting Professor, McGill, November 2021
30. **Hogg ME.** “How to Stay out of Trouble On Your First Robotic Whipples” Brazilian HPB Society National Meeting. December 2021.
31. **Hogg ME.** “Basics of Robotic Pancreas Surgery.” IRCAD France. December 2021
32. **Hogg ME.** “Limits of Robotic Pancreas Surgery.” IRCAD France. December 2021
33. **Hogg ME.** “Tips and Tricks of Robotic Pancreas Surgery.” IRCAD France. December 2021
34. **Hogg ME.** “Robotic Whipple.” IRCAD France. December 2021

35. **Hogg ME.** “Left Pancreaectomy” IRCAD France. December 2021
36. **Hogg ME.** “Step by Step of the Pancreaticoduodenectomy.” IRCAD France. December 2021
37. **Hogg ME.** “Key Note Address: Robotic Pancreas – Past, Present, and Future.” IRCAD France. December 2021
38. **Hogg ME.** “Colorectal Liver Metastasis” McGill Surgical Oncology – 11/30/2021
39. **Hogg ME.** “How To Stay Out Of Trouble On Your First Robotic Whipples”. Brazilian HPB Society – 12/4/2021
40. **Hogg ME.** “Limits of Robotic Pancreatectomy” IRCAD HPB Course 2021 – 12/15/2021
41. **Hogg ME.** “Basic Principles in Robotic Pancreas Surgery” IRCAD HPB Course 2021 – 12/15/2021
42. **Hogg ME.** “Tips and Tricks in Robotic Pancreas Surgery” IRCAD HPB Course 2021 – 12/15/2021
43. **Hogg ME.** “Robotic Pancreaticoduodenectomy” IRCAD HPB Course 2021 – 12/15/2021
44. **Hogg ME.** “Robotic Left Pancreatectomy” IRCAD HPB Course 2021 – 12/18/2021
45. **Hogg ME.** “Face to Face Robot vs Laparoscopic Pancreaticoduodenectomy” IRCAD HPB Course 2021 – 12/18/2021
46. **Hogg ME.** “State of the Art in Robotic Pancreatectomy” IRCAD HPB Course 2021 – Keynote Speaker. 12/18/2021
47. **Hogg ME.** U of Toronto Fellow Graduation – “Robotic Training in Hepatobiliary Surgery” 6/24/2022
48. First Internationally validated European Guidelines meeting in Minimally Invasive Pancreatic Surgery – International Expert Validation Committee 9/28/2022
49. **Hogg ME.** “Robotic Left Pancreatectomy” IRCAD HPB Course 2022 – 10/29/22
50. **Hogg ME.** “Face to Face Robot vs Laparoscopic Pancreaticoduodenectomy” IRCAD HPB Course 2021 – 10/29/22
51. **Hogg ME.** “Pancreatoduodenectomy Resection Masterclass” LEARNBOT Europe 11/14/2022
52. **Hogg ME.** “Debate: Is it really a straight journey? The pros and cons. Human vs automatized performance assessment, AI and automation. For: Human performance Assessment” Train-the-Trainer Course on Hybrid MIS Techniques IRCAD Strasbourg, France 11/17/22

INVITED VIRTUAL EVENTS (Webinars/Podcasts/Tumor Boards):

1. SAGES HPB Task Force – “RAMPS Distal Pancreatectomy” April 2020
2. SSO DSWG – “HPB Oncology in Era of Covid” May 2020
3. SSO DSWG – Tumor Board “Resectable and Borderline Resectable Pancreas Cancer” October 2020

4. SSO DSWG – Podcast “Liver and Biliary Non-Cancer Incidentalomas” October 2020
5. SSO DSWG – Virtual Panel “Updates on Clinical Trials for Pancreas Cancer” November 2020
6. ASO Speaking of SurgOnc – Podcast “Serum Ca19-9 Response to Neoadjuvant Therapy” November 2020
7. SSO DSWG – Tumor Board “Colorectal and Neuroendocrine Liver Metastasis” December 2020
8. AHPBA Innovation Webinar: Gallbladder Cancer March 2021
9. SSO DSWG – Podcast “Practice Changing Papers of 2020” April 2021
10. SSO DSWG – Tumor Board “Cystic Neoplasms of the Pancreas” April 2021
11. SSO DSWG – Virtual Panel “Updates on Clinical Trials for Biliary Malignancy” June 2021
12. SAGES Oncology – Improving Cancer Care Delivered Through Minimally Invasive Surgery – Pancreas Cancers June 2021
13. RACS – Podcast “Robotic Whipple Training” 6/1/2022
14. SAGES Oncology – Improving Cancer Care Delivered Through Minimally Invasive Surgery – Liver Cancers July 2021
15. SSO DSWG – Tumor Board #1: Bilobar Metastatic Colorectal Cancer – molecular management. August 2021
16. SSO DSWG – Tumor Board #2: Bilobar Metastatic Colorectal Cancer – regional therapy. September 2021.
17. SAGES RAFT – HPB Webinar Invited Lecture: “State of the Art Minimally Invasive Pancreas Surgery for Pancreatic Cancer” September 2021
18. “Advances in Surgical and Medical Options for the Treatment of Pancreatic Cancer” Rolfe Foundation Patient Webinar –11/10/2022
19. SSO DSWG – Tumor Board: Pancreatic Neuroendocrine Tumors December 2021
20. SSO DSW – Virtual Tumor Board Liver Tumors w/ Society of Interventional Radiology 5/16/2022
21. NPF Webinar – “Smoking and Alcohol: Is There a Safe Amount” 9/21/2022

COMMITTEES:

Northshore:

1. 2018 – Present: Robotic Steering Committee
 - a. Chair 2021 – Present
2. 2019 – Present: Compensation Committee
3. 2019 – Present: Surgical Executive Counsel
4. 2019 – Present: Surgical Quality Improvement Committee
5. 2019 – Present: Operating Room Video Review Committee
6. 2022 – Present: Committee on Appointments and Promotions

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. AAS (Academy of Academic Surgeons)
 - a. 2014 – 2016: Information Technology Committee
 - b. 2017 – 2020: AAS Leadership Committee
2. AHPBA (American Hepato-Pancreato-Biliary Association)
 - a. 2015 – 2019: Training Committee
 - b. 2019 – Present: Program Committee
 - c. 2020 – Present: Executive Board Liaison
3. AWS 2019 – Present:
 - a. Faculty Coach (Female surgical residents at other programs)
4. Fellowship Council
 - a. 2017 – Present: HPB working group representing SAGES
5. International Minimally Invasive Pancreas Surgery
 - a. 2019 – Present: Founding Member
6. SAGES (Society of Gastrointestinal and Endoscopic Surgery Association)
 - a. 2015 – 2021: Robotics Task Force
 - i. Lead of Robotic Biliary Working Group
 - b. 2017 – Present: HPB Task Force
 - i. Co-Chair 2019 – Present
 - c. 2020 – Present: Oncology Task Force
7. SSO
 - a. 2015 – 2022: SSO (Society of Surgical Oncology) – Hepatobiliary Disease Site Work Group
 - i. Co-Chair 2018-2020
 - ii. Chair 2020-2022
 - b. 2020 – Present: Education Council
 - i. Chair 2022-2024
8. SUS (Society of University Surgery)
 - a. 2020 – Present: Membership Committee

JOURNALS

Editorial Board

1. *Journal of Surgical Oncology*
 - a. 2015 – Present: Associate Editor, Surgical Technique Division
 - b. 2019 – 2020: Guest Editor Special Seminar Issue “Surgical Oncology Education”
2. *Annals of Surgical Oncology*
 - a. 2020 – Present: Editorial Board (Pancreas)
3. *HPB*
 - a. 2021 – Present: Editorial Board (Pancreas)

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
13. Journal of the American College of Surgeons
14. World Journal of Surgery
15. Lancet Gastroenterology

AFFILIATIONS:

2015-2018: UPMC CART

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.

2021 – Present: AMIL-S (American Minimally Invasive Liver Society)

Multi-Institutional program to create a registry for Minimally Invasive Liver Surgery. Spearheaded at Mayo, Rochester and supported by SAGES.