

Advanced Minimally Invasive Training in Hepato-Pancreatico-Biliary (HPB) Surgery Fellowship Program

Program Information:

- Number of fellowship positions requested: 1
- Academic affiliation: McGill University
- Name of hospitals involved in training:

Jewish General Hospital - 100 % of the fellow's time will be spent at this institution

- Background

The Jewish General Hospital is a McGill University affiliated tertiary care hospital. Our HPB service is comprised of two HPB surgeons, an administrative assistant, a research assistant and a team of student and resident researchers. We specialize in minimally invasive HPB surgery, including advanced laparoscopic and robotic techniques. We have a strong publication history, have presented at numerous national and international meetings and are both members of the Americas Hepatico-Pancreatico-Biliary Association.

- Research activity

We have an interest in clinical research, with current focuses in surgical technique, enhanced recovery after surgery, health-related quality of life as well as cost and value analyses.

- Publications

1. **Pelletier JS**, McKee BA, Paton-Gay D, Widder S. *A Retrospective Review of All Terrain Vehicle Accidents in Alberta*. Canadian Journal of Surgery, 2012.
2. **Pelletier JS**, Gill RS, Bigam D. *Combined Hepatic and Inferior Vena Cava Resection for Colorectal Cancer*. Surgery: Current Research, 2012.
3. Gill RS, **Pelletier JS**, LaBossiere J, Bigam D, Cheung PY. *Therapeutic strategies to protect the immature newborn myocardium during resuscitation following asphyxia*. Canadian J of Physiology and Pharmacology, 2012.
4. **Pelletier JS**, Gill RS, LaBossiere J, Bigam D, Cheung PY. *Novel approach to improve cardiac recovery after asphyxia in newborns*. Recent Research Developments in Physiology (Book chapter), 2012
5. **Pelletier JS**, de Gara CJ, Porter G, Ghosh S, Schiller D. *Retrospective Review of Rectal Cancer Surgery in Northern Alberta*, Canadian Journal of Surgery, 2013

6. **Pelletier JS**, Gill RS, Shi X, Birch D, Karmali S. *Robotic-Assisted Hepatic Resection: A Systematic Review of Mortality and Morbidity*. The International Journal of Medical Robotics and Computer Assisted Surgery, 2013
7. **Pelletier JS**, LaBossiere J, Dicken B, Gill RS, Sergi C, Tahbaz N, Bigam D, Cheung PY. *Low-Dose Vasopressin Improves Cardiac Function in Newborn Piglets with Acute Hypoxia-Reoxygenation*. Shock, 2013
8. Gazala S, **Pelletier JS**, Storie D, Johnson J, Kutsogiannias J, Bedard E. *A Systematic Review and Meta-Analysis to Assess Patient-Reported Outcomes after Lung Cancer Surgery* The Scientific World Journal, 2013
9. LaBossiere J, **Pelletier JS**, Bigam D, Schulz R, Cheung PY. *Post-resuscitation Administration of Doxycycline Preserves Cardiac Contractile Function in Hypoxia-Reoxygenation Injury of Newborn Piglets*, Critical Care Medicine, 2014
10. **Pelletier JS**, Geller DA. *Minimally Invasive Techniques and Outcomes in Hepatic Resection*, McGraw-Hill's Textbook of Surgical Oncology (Book Chapter), 2014 (In Press)
11. **Pelletier JS**, LaBossiere J, Dicken B, Bigam D, Cheung PY. *Cardiac Effects of Vasopressin*, The Journal of Cardiovascular Pharmacology, 2014
12. **Pelletier JS**, Geller DA. *Surgical Treatment of Hepatobiliary Malignancies and Liver Transplantation*, Gastrointestinal Malignancies: New Innovative Diagnostics and Treatment. (Book Chapter), 2015
13. LaBossiere J, **Pelletier JS**, Thiesen A, Schulz R, Bigam D, Cheung PY. *Doxycycline Attenuates Renal Injury in a Swine Model of Neonatal Hypoxia-Reoxygenation*, Shock, 2015
14. **Pelletier JS**, Gill RS, Gazala S, Karmali S. *A Systematic Review And Meta-Analysis Of Open Vs. Laparoscopic Resection Of Gastric Gastrointestinal Stromal Tumors*. Journal of Clinical Medical Research, 2015
15. Switzer NJ, Merani S, Skubleny D, **Pelletier JS**, Gill RS, Kanji R, Shi X, Birch DW, Gara C, Sharma AM, Karmali S. *Quality of follow-up: a systematic review of bariatric surgery research*, Annals of Surgery, 2015 (In Press)
16. Trabulsi N, **Pelletier JS**, Abraham C, Vanounou T. *Preoperative Diagnostic Angiogram and Endovascular Aortic Stent Placement for Appleby Resection Candidates: A Novel Surgical Technique in the Management of Locally Advanced Pancreatic Cancer*. HPB Surgery, 2015
17. **Vanounou T**, Garfinkle R. Evaluation of Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy for Peritoneal Carcinomatosis of Colorectal Origin in the Era of Value-Based Medicine. Ann Surg Oncol. 2016 Mar 8.

18. Levy J, Tahiri M MD, **Vanounou T**, MD, MBA, Maimon G, PhD, Bergman S, MD MSc. Diagnostic Laparoscopy with Ultrasound Still Has a Role in the Staging of Pancreatic Cancer: A Systematic Review of the Literature. *HPB Surgery* 2016(1):1-8.
19. Trabulsi N, Pelletier J.S, Abraham C, **Vanounou T**. Preoperative Diagnostic Angiogram and Endovascular Aortic Stent Placement for Appleby Resection Candidates: A Novel Surgical Technique in the Management of Locally Advanced Pancreatic Cancer. *HPB Surg.* 2015; 2015: 523273. Published online 2015 September 28.
20. *Levy J, Garfinkle R, Camlioglu E, MD, **Vanounou T**, MD MBA. Conventional transarterial chemoembolization for unresectable liver malignancies: A single-institution experience and review of the literature. Manuscript submitted to HPB.
21. Piedimonte S, Wang Y, Bergman S, **Vanounou T**. Experience with Robotic Pancreatic Surgery in a Canadian Institution. *Can J Surg.* 2014 August; 57(4): 263-270.
22. *Wang Y, Piedimonte S, MSc, Bergman S, MD, MSc, **Vanounou T**, MD, MBA. Minimally invasive versus open liver resection: a comparative study of short-term outcomes. Manuscript submitted to HPB.
23. *Wang Y, Bergman S, Piedimonte S, **Vanounou T**. Bridging the gap between open and minimally invasive pancreaticoduodenectomy: the hybrid approach. *Can J Surg.* 2014 Aug;57(4):263-70.
24. **Vanounou T**, Steel J, Tsung A, Nguyen KT, Likumahuma S, Geller DA, Gamblin TC. Overall Survival, Health-related Quality of Life, and Cost-effectiveness of Transarterial Chemoembolization or Selective Internal Radiation Therapy with Yttrium-90 Microspheres in Unresectable Hepatocellular Carcinoma. Manuscript submitted to HPB.
25. Skamene S, Niazi T, Kopek N, **Vanounou T**, Vuong T. Resectability After Concurrent Gemcitabine-Based Chemoradiation Therapy for Patients With Locally-Advanced Pancreas Cancer. *Int J of Radiation Oncology.* Oct 2013.
26. Magge D, Tsung A, **Vanounou T**, Marsh JW, Gamblin TC, Geller DA. Laparoscopic Cholecystectomy Injury: The Case of the Missing Duct. Manuscript submitted to *Surgical Endoscopy.*
27. **Vanounou T**, Groeschl RT, Geller DA, Marsh JW, Gamblin TC. Economic model of observation versus immediate resection of hepatic adenomas. *J Surg Oncol.* 2012 Sep 15;106(4):491-7.
28. **Vanounou T**, Steel J, Marsh JW, Geller DA, Gamblin TG. Comparing the Clinical and Economic Impact of Laparoscopic Versus Open Liver Resection. *Ann Surg Oncol.* 2010 Apr;17(4):998-1009.
29. Nguyen KT, Steel J, **Vanounou T**, Tsung A, Marsh JW, Geller DA, Gamblin TC. Initial Presentation, Treatment Approaches, and Management of Hilar and Peripheral Cholangiocarcinoma: Is a Node-Positive Status or Potential Margin-

Positive Result a Contraindication to Resection? *Ann Surg Oncol.* 2009 Dec;16(12):3308-15.

30. Holloway SE, Gamblin TC, Heckman J, **Vanounou T**, Geller DA. Outcome of Laparoscopic Hepatic Cyst Resection in 48 Patients. *J Surgical Research* Feb 2008.
31. Pratt W, Steinbrook RA, Maithel S, **Vanounou T**, Callery MP, Vollmer CM. Epidural Analgesia for Pancreatoduodenectomy: A Critical Appraisal. *J Gastrointest Surg.* 2008 Jul;12(7):1207-20.
32. **Vanounou T**, Pratt W, Callery MP, Vollmer CM. Selective Administration of Prophylactic Octreotide During Pancreatoduodenectomy: A Clinical and Cost-benefit Analysis in Low- and High-Risk Glands. *J Am Coll Surg.* 2007 Oct;205(4):546-57.
33. Vollmer, CM, Wande Pratt, **Vanounou T**, Maithel S, Fischer JE, Callery MP. Quality Assessment in High-Acuity Surgery: Volume and Mortality are Not Enough. *Arch Surg* 2007 Apr;142(4):371-80.
34. Pratt W, Maithel S, **Vanounou T**, Huang Z, Callery MP, Vollmer CM. Clinical and Economic Validation of the International Study Group of Pancreatic Fistula (ISGPF) classification scheme. *Ann Surg* 2007 Mar;245(3):443-51.
35. **Vanounou T**, Pratt W, Fischer JE, Vollmer CM, Callery MP. Deviation-Based Cost Modeling (DBCM): A New Model to Evaluate the Clinical and Economic Impact of Clinical Pathways. *J Am Coll Surg.* 2007 Apr;204(4):570-9.
36. Pratt W, Maithel S, **Vanounou T**, Huang Z, Callery MP, Vollmer CM. Postoperative Pancreatic Fistulas Are Not Equivalent After Proximal, Distal, and Central Pancreatectomy. *J Gastrointest Surg.* 2006 Nov;10(9):1264-78; discussion 1278-9.
37. D'Agata ID, **Vanounou T**, Seidman E. Mesalamine in pediatric Inflammatory Bowel Disease: A 10-year experience. *Inflammatory Bowel Diseases* 1996;2:229-235.
38. Chartrand LJ, Agulnik J, **Vanounou T**, Russo PA, Baehler P, Seidman EG. Effectiveness of antigliadin antibodies as a screening test for celiac disease in children. *Can Med Assoc J* 1997;157:527-533.
39. Dionne S, D'Agata ID, Hiscott J, **Vanounou T**, Seidman EG. Colonic explant production of IL-1 and its receptor antagonist is imbalanced in inflammatory bowel disease. *Clin Exp Immunol* 1998;112:435-442.

- Mission

Our mission is to train our fellow in the clinical management of hepatic, pancreatic and biliary disorders, both benign and malignant. The training will have a specific focus in advanced laparoscopic and robotic techniques.

- Outline how intended fellowship will enhance residency training

This fellowship program will enhance residency training, as one of the prospective fellow's responsibilities will include orienting the new residents, giving them didactic and or interactive lectures no less than bi-weekly and allowing them to progressively perform greater parts of the procedures, appropriate to their knowledge and technical skill. This will be a great advantage for the residents and we expect that they will appreciate the fellow's presence. We will ask all of the rotating senior residents feedback concerning our fellow's performance, and also if they are satisfied with their role on the team.