



Monica M. Dua, MD

Clinical Associate Professor, Surgery - General Surgery

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Stanford Cancer Center**

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ACADEMIC CONTACT INFORMATION

- **Administrative Associate / HPB Fellowship Coordinator**

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Bio

BIO

Dr. Dua is a Clinical Assistant Professor of Surgery at Stanford. She received her undergraduate degree from the University of California, Los Angeles and her medical degree from Drexel University in Philadelphia. She completed her general surgery residency at Stanford University School of Medicine with a two year post-doctoral research fellowship in vascular biology. She then went on to do a one year fellowship in minimally invasive and robotic surgery at the Cleveland Clinic and a second two year fellowship in hepatobiliary and pancreatic surgery back at Stanford University prior to joining the division faculty. Her clinical focus is in gastrointestinal oncology with a focus on benign and malignant disease of the liver, pancreas, and bile duct. She also performs oncologic resections for tumors of the distal esophagus, stomach, and small intestine. Dr. Dua is the associate program director for the HPB fellowship, an active instructor in the Stanford University surgical clerkship curriculum for medical students, and also serves as the regional HPB Surgeon at the VA Palo Alto Health Care System.

Dr. Dua participates in the Benign Pancreas Program at Stanford and her research includes both benign and malignant aspects of GI/HPB surgery with a focus on the management of severe pancreatitis as well as surgical strategies for the treatment of necrotizing pancreatitis. Other research interests include the application of minimally invasive approaches to the surgical management of HPB diseases including laparoscopic techniques in liver surgery and the use of laparoscopic and robotic platforms in pancreatic surgery. She currently has an ongoing clinical trial looking at the myoelectric activity of the stomach and intestine following pancreaticoduodenectomy as a function of predicting which patients are at higher risk of developing delayed gastric emptying or postoperative ileus. This study is being performed concurrently with the introduction of the division's enhanced recovery after surgery perioperative care pathways to facilitate improved patient outcomes in those undergoing pancreatic resections.

CLINICAL FOCUS

- GI Oncology
- Hepatobiliary and Pancreas Surgery
- Minimally Invasive Surgery
- General Surgery

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Surgery - General Surgery

ADMINISTRATIVE APPOINTMENTS

- Associate Program Director for HPB Fellowship, AHPBA, (2015- present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Hepatobiliary and Pancreatic Surgery Fellowship (2015) CA
- Residency: UCSF East Bay Surgery Residency (2010) CA
- Internship: UCSF East Bay Surgery Residency (2006) CA
- Residency: Stanford University General Surgery Residency CA
- Medical Education: Drexel University College of Medicine Office of the Registrar (2005) PA
- Fellowship: Cleveland Clinic GME Training Verifications OH
- Board Certification, American Board of Surgery , General Surgery (2013)

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Technical aspects of minimally invasive pancreatic and liver surgery

Minimally invasive strategies for the management of pancreatic necrosis

Management of severe acute pancreatitis – academic vs community treatment

Multidisciplinary treatment of HCC; institutional barriers to appropriate referral/ care

Endocrine/exocrine insufficiency after pancreatectomy; volumetric assessment

Natural history and management of pancreatic cysts

Publications

PUBLICATIONS

- **Isolated pancreatic tail remnants after transgastric necrosectomy can be observed.** *The Journal of surgical research*
Dua, M. M., Jensen, C. W., Friedland, S., Worth, P. J., Poultides, G. A., Norton, J. A., Park, W. G., Visser, B. C.
2018; 231: 109–15
- **Monitoring Gastric Myoelectric Activity After Pancreaticoduodenectomy for Diet "Readiness".** *American journal of physiology. Gastrointestinal and liver physiology*
Dua, M. M., Navalgund, A., Axelrod, S., Axelrod, L., Worth, P. J., Norton, J. A., Poultides, G. A., Triadafilopoulos, G., Visser, B. C.
2018
- **Transgastric pancreatic necrosectomy-expedited return to prepancreatitis health** *JOURNAL OF SURGICAL RESEARCH*
Dua, M. M., Worhunsy, D. J., Malhotra, L., Park, W. G., Poultides, G. A., Norton, J. A., Visser, B. C.
2017; 219: 11–17
- **Management of Postoperative Pancreatic Fistula: Drain Position Matters**
Malhotra, L., Dua, M. M., Leal, J. N., Poultides, G. A., Norton, J. A., Visser, B. C.
ELSEVIER SCIENCE INC.2017: E123–E124
- **Surgical Approaches to Chronic Pancreatitis: Indications and Techniques.** *Digestive diseases and sciences*

Dua, M. M., Visser, B. C.
2017

- **Fukuoka and AGA Criteria Have Superior Diagnostic Accuracy for Advanced Cystic Neoplasms than Sendai Criteria.** *Digestive diseases and sciences*
Sighinolfi, M., Quan, S. Y., Lee, Y., Ibaseta, A., Pham, K., Dua, M. M., Poultides, G. A., Visser, B. C., Norton, J. A., Park, W. G.
2017; 62 (3): 626-632
- **Recurrent Pyogenic Cholangitis: Got Stones?** *Digestive diseases and sciences*
Gholami, S., Wood, L., Berry, G., Triadafilopoulos, G., Visser, B. C., Dua, M. M.
2016; 61 (11): 3147-3150
- **Laparoscopic hepatectomy in cirrhotics: safe if you adjust technique.** *Surgical endoscopy*
Worhunsky, D. J., Dua, M. M., Tran, T. B., Siu, B., Poultides, G. A., Norton, J. A., Visser, B. C.
2016; 30 (10): 4307-4314
- **Neuroendocrine tumors of the pancreas: Degree of cystic component predicts prognosis.** *Surgery*
Cloyd, J. M., Kopecky, K. E., Norton, J. A., Kunz, P. L., Fisher, G. A., Visser, B. C., Dua, M. M., Park, W. G., Poultides, G. A.
2016; 160 (3): 708-713
- **The significance of underlying cardiac comorbidity on major adverse cardiac events after major liver resection.** *HPB*
Tran, T. B., Worhunsky, D. J., Spain, D. A., Dua, M. M., Visser, B. C., Norton, J. A., Poultides, G. A.
2016; 18 (9): 742-747
- **Biliary Cystadenoma: A Suggested "Cystamatic" Approach?** *DIGESTIVE DISEASES AND SCIENCES*
Dua, M. M., Gerry, J., Salles, A., Tran, T. B., Triadafilopoulos, G., Visser, B. C.
2016; 61 (7): 1835-1838
- **An economic analysis of pancreaticoduodenectomy: should costs drive consumer decisions?** *AMERICAN JOURNAL OF SURGERY*
Tran, T. B., Dua, M. M., Worhunsky, D. J., Poultides, G. A., Norton, J. A., Visser, B. C.
2016; 211 (6): 991-?
- **Minimally invasive approaches to resection of benign/low-grade gastric tumors** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
Salles, A., Dua, M., Friedland, S., Visser, B.
2016; 30 (6): 2624-25
- **The First Decade of Laparoscopic Pancreaticoduodenectomy in the United States: Costs and Outcomes Using the Nationwide Inpatient Sample** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
Tran, T. B., Dua, M. M., Worhunsky, D. J., Poultides, G. A., Norton, J. A., Visser, B. C.
2016; 30 (5): 1778-1783
- **Missing the obvious: psychosocial obstacles in Veterans with hepatocellular carcinoma** *HPB*
Hwa, K. J., Dua, M. M., Wren, S. M., Visser, B. C.
2015; 17 (12): 1124-1129
- **The neurosurgical origins of image-guided surgery** *CURRENT PROBLEMS IN SURGERY*
Barrese, J. C., Henderson, J. M.
2015; 52 (12): 476-520
- **Image-guided surgery.** *Current problems in surgery*
Azagury, D. E., Dua, M. M., Barrese, J. C., Henderson, J. M., Buchs, N. C., Ris, F., Cloyd, J. M., Martinie, J. B., Razzaque, S., Nicolau, S., Soler, L., Marescaux, J., Visser, et al
2015; 52 (12): 476-520
- **Using intraoperative laser angiography to safeguard nipple perfusion in nipple-sparing mastectomies.** *Gland surgery*
Dua, M. M., Bertoni, D. M., Nguyen, D., Meyer, S., Gurtner, G. C., Wapnir, I. L.
2015; 4 (6): 497-505
- **Severe acute pancreatitis in the community: confusion reigns** *JOURNAL OF SURGICAL RESEARCH*
Dua, M. M., Worhunsky, D. J., Tran, T. B., Rumma, R. T., Poultides, G. A., Norton, J. A., Park, W. G., Visser, B. C.
2015; 199 (1): 44-50

- **Surgical Strategies for the Management of Necrotizing Pancreatitis** *JOURNAL OF THE PANCREAS*
Dua, M. M., Worhunsky, D. J., Tran, T. B., Friedland, S., Park, W. G., Visser, B. C.
2015; 16 (6): 547-58
- **Hepato-pancreatectomy: perioperative and long term outcomes of synchronous hepatic and pancreatic resection**
Tran, T. B., Dua, M. M., Visser, B. C., Norton, J. A., Poultsides, G. A.
ELSEVIER SCIENCE INC.2015: E95
- **Hepato-pancreatectomy: how morbid? Results from the national surgical quality improvement project.** *HPB*
Tran, T. B., Dua, M. M., Spain, D. A., Visser, B. C., Norton, J. A., Poultsides, G. A.
2015; 17 (9): 763-769
- **Pancreatectomy with vein reconstruction: technique matters.** *HPB*
Dua, M. M., Tran, T. B., Klausner, J., Hwa, K. J., Poultsides, G. A., Norton, J. A., Visser, B. C.
2015; 17 (9): 824-831
- **Pancreatectomy with vein reconstruction: technique matters** *HPB*
Dua, M. M., Tran, T. B., Klausner, J., Hwa, K. J., Poultsides, G. A., Norton, J. A., Visser, B. C.
2015; 17 (9): 824-831
- **Hepato-pancreatectomy: how morbid? Results from the national surgical quality improvement project** *HPB*
Tran, T. B., Dua, M. M., Spain, D. A., Visser, B. C., Norton, J. A., Poultsides, G. A.
2015; 17 (9): 763-769
- **Prognostic relevance of lymph node ratio and total lymph node count for small bowel adenocarcinoma** *SURGERY*
Tran, T. B., Qadan, M., Dua, M. M., Norton, J. A., Poultsides, G. A., Visser, B. C.
2015; 158 (2): 486-493
- **More with Less: Pancreas-Preserving Total Duodenectomy** *DIGESTIVE DISEASES AND SCIENCES*
Qadan, M., Dua, M., Worhunsky, D., Triadafilopoulos, G., Visser, B.
2015; 60 (6): 1565-1568
- **Cyst Fluid Glucose is Rapidly Feasible and Accurate in Diagnosing Mucinous Pancreatic Cysts.** *American journal of gastroenterology*
Zikos, T., Pham, K., Bowen, R., Chen, A. M., Banerjee, S., Friedland, S., Dua, M. M., Norton, J. A., Poultsides, G. A., Visser, B. C., Park, W. G.
2015; 110 (6): 909-914
- **Extracorporeal Pringle for laparoscopic liver resection** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
Dua, M. M., Worhunsky, D. J., Hwa, K., Poultsides, G. A., Norton, J. A., Visser, B. C.
2015; 29 (6): 1348-1355
- **Non-MalIg(G4)nant Biliary Obstruction: When the Pill Is Mightier than the Knife** *DIGESTIVE DISEASES AND SCIENCES*
Dua, M. M., Qadan, M., Lutchman, G. A., Park, W. G., Triadafilopoulos, G., Visser, B. C.
2015; 60 (5): 1178-1182
- **Early vein reconstruction and right-to-left dissection for left-sided pancreatic tumors with portal vein occlusion.** *Journal of gastrointestinal surgery*
Cloyd, J. M., Dua, M. M., Visser, B. C.
2014; 18 (11): 2034-2037
- **Laparoscopic Transgastric Necrosectomy for the Management of Pancreatic Necrosis** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
Worhunsky, D. J., Qadan, M., Dua, M. M., Park, W. G., Poultsides, G. A., Norton, J. A., Visser, B. C.
2014; 219 (4): 735-743
- **Evaluating the Revised International Consensus Guidelines for Management of Pancreatic Cysts**
Sighinolfi, M., Quan, S., Dua, M., Poultsides, G., Visser, B., Park, W.
NATURE PUBLISHING GROUP.2014: S86
- **Rapid Point-of-Care Measurement of Cyst Fluid Glucose Is Feasible and Accurate in Predicting Mucinous Pancreatic Cysts**
Zikos, T., Pham, K., Chen, A., Banerjee, S., Friedland, S., Dua, M., Norton, J., Poultsides, G., Visser, B., Park, W.
NATURE PUBLISHING GROUP.2014: S86

- **Getting the dead out: modern treatment strategies for necrotizing pancreatitis.** *Digestive diseases and sciences*
Dua, M. M., Worhunsky, D. J., Amin, S., Louie, J. D., Park, W. G., Triadafilopoulos, G., Visser, B. C.
2014; 59 (9): 2069-2075
- **Laparoscopic spleen-preserving distal pancreatectomy: the technique must suit the lesion.** *Journal of gastrointestinal surgery*
Worhunsky, D. J., Zak, Y., Dua, M. M., Poultsides, G. A., Norton, J. A., Visser, B. C.
2014; 18 (8): 1445-1451
- **Intraoperative imaging of nipple perfusion patterns and ischemic complications in nipple-sparing mastectomies.** *Annals of surgical oncology*
Wapnir, I., Dua, M., Kieryn, A., Paro, J., Morrison, D., Kahn, D., Meyer, S., Gurtner, G.
2014; 21 (1): 100-106
- **Cardiac metastases and tumor embolization: A rare sequelae of primary undifferentiated liver sarcoma.** *International journal of surgery case reports*
Dua, M. M., Cloyd, J. M., Haddad, F., Beygui, R. E., Norton, J. A., Visser, B. C.
2014; 5 (12): 927-931
- **Laparoscopic Bariatric Surgery Can Be Performed Through a Single Incision: A Comparative Study.** *Obesity surgery*
Rogula, T., Daigle, C., Dua, M., Shimizu, H., Davis, J., Lavryk, O., Aminian, A., Schauer, P.
2014
- **RGD-Conjugated Human Ferritin Nanoparticles for Imaging Vascular Inflammation and Angiogenesis in Experimental Carotid and Aortic Disease** *MOLECULAR IMAGING AND BIOLOGY*
Kitagawa, T., Kosuge, H., Uchida, M., Dua, M. M., Iida, Y., Dalman, R. L., Douglas, T., McConnell, M. V.
2012; 14 (3): 315-324
- **Bioluminescence and Magnetic Resonance Imaging of Macrophage Homing to Experimental Abdominal Aortic Aneurysms** *MOLECULAR IMAGING*
Miyama, N., Dua, M. M., Schultz, G. M., Kosuge, H., Terashima, M., Pisani, L. J., Dalman, R. L., McConnell, M. V.
2012; 11 (2): 126-134
- **Surgery for Thoracic Outlet Syndrome: A Nationwide Perspective** *Vascular Annual Meeting of the Society-for-Vascular-Surgery*
Lee, J. T., Dua, M. M., Chandra, V., Hernandez-Boussard, T. M., Illig, K. A.
MOSBY-ELSEVIER.2011: 100S-101S
- **Hyperglycemia limits experimental aortic aneurysm progression** *JOURNAL OF VASCULAR SURGERY*
Miyama, N., Dua, M. M., Yeung, J. J., Schultz, G. M., Asagami, T., Sho, E., Sho, M., Dalman, R. L.
2010; 52 (4): 975-983
- **Live Transference of Surgical Subspecialty Skills Using Telerobotic Proctoring to Remote General Surgeons** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
Ereso, A. Q., Garcia, P., Tseng, E., Gauger, G., Kim, H., Dua, M. M., Victorino, G. P., Guy, T. S.
2010; 211 (3): 400-411
- **Hyperglycemia modulates plasminogen activator inhibitor-1 expression and aortic diameter in experimental aortic aneurysm disease** *SURGERY*
Dua, M. M., Miyama, N., Azuma, J., Schultz, G. M., Sho, M., Morser, J., Dalman, R. L.
2010; 148 (2): 429-435
- **Candidate Compounds for Drug-Device Hybrid Therapies in the Management of Abdominal Aortic Aneurysm (AAA) Disease**
Iida, Y., Schultz, G. M., Dua, M. M., Miyama, N., Peterson, S., Sulaimon, S., Dalman, R. L.
MOSBY-ELSEVIER.2010: 530
- **Hemodynamic Influences on abdominal aortic aneurysm disease: Application of biomechanics to aneurysm pathophysiology** *VASCULAR PHARMACOLOGY*
Dua, M. M., Dalman, R. L.
2010; 53 (1-2): 11-21
- **In vivo Targeted Molecular Imaging of Matrix Metalloproteinase Inhibition in Experimental Abdominal Aortic Aneurysm Disease** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*
Dua, M. M., Schultz, G. M., Miyama, N., Peterson, J. D., Dalman, R. L.
LIPPINCOTT WILLIAMS & WILKINS.2009: S358-S359

- **Lipoxin A(4) Attenuates Microvascular Fluid Leak During Inflammation** *70th Annual Meeting of the Society-of-University-Surgeons/4th Annual Academic Surgical Congress*
Ereso, A. Q., Cureton, E. L., Cripps, M. W., Sadjadi, J., Dua, M. M., Curran, B., Victorino, G. P.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2009: 183–88
- **In Vivo MR Imaging of Iron Oxide-Labeled Macrophages in Experimental Abdominal Aortic Aneurysms (AAAs)**
Dua, M. M., Miyama, N., Kosuge, H., Terashima, M., Dalman, R. L.
LIPPINCOTT WILLIAMS & WILKINS.2009: E98
- **Usability of Robotic Platforms for Remote Surgical Teleproctoring** *TELEMEDICINE JOURNAL AND E-HEALTH*
Ereso, A. Q., Garcia, P., Tseng, E., Dua, M. M., Victorino, G. P., Guy, T. S.
2009; 15 (5): 445-453
- **Identifying abdominal aortic aneurysm risk factors in postmenopausal women.** *Women's health (London, England)*
Dua, M. M., Dalman, R. L.
2009; 5 (1): 33-37
- **Evaluation of platybasia with MR imaging** *39th Annual Meeting of the American-Society-of-Neuroradiology*
Koenigsberg, R. A., Vakil, N., Hong, T. A., Htaik, T., Faerber, E., Maiorano, T., Dua, M., FARO, S., Gonzales, C.
AMER SOC NEURORADIOLOGY.2005: 89–92