

PUBLICATIONS:

A. Original Articles:

1. Sandell J, Baker L, **Davidov T**. The Distribution of Neurotrophin Receptor TrkC-like Immunoreactive Fibers and Varicosities in the Rhesus Monkey Brain. Neuroscience. 86(4):1181-1194, 1998.
2. Moalem J, **Davidov T**, Zhang Q, Weiss HR, Scholz PM. The Negative Functional Effects of C-Type Natriuretic Factor is Attenuated in Hypertrophic Myocytes Due to Diminished Cyclic GMP Production. Journal of Surgical Research, 121(2): 281, Oct. 2004.
3. Moalem J, Weiss HR, **Davidov T**, Rodriguez RR, Molino B, Lazar MJ, Scholz PM. Heart Failure Reduces the Interaction Between Cyclic GMP and Cyclic AMP. Journal of Surgical Research, 121(2):324, Oct. 2004.
4. Zhang Q, Lazar MJ, Molino B, Rodriguez R, **Davidov T**, Su J, Tse J, Weiss HR, Scholz PM. Reduction in Interaction Between Cyclic GMP and Cyclic AMP in Dog Ventricular Myocytes with Hypertrophic Failure. American Journal of Physiology, 289:3:H1251-7, Sept. 2005.
5. Moalem J, **Davidov T**, Katz E, Weiss HR, Scholz PM. Atrial Natriuretic Peptide Reverses the Negative Functional Effects of Stunning in Rabbit Myocardium. Regulatory Peptides, Vol. 132(1-3): 47-52, Dec. 2005.
6. **Davidov T**, Hong J. Novel Use of Acetazolamide in the Treatment of Rhabdomyolysis Induced Myoglobinuric Renal Failure. Journal of Trauma, 61(1):213-15, July 2006.
7. Moalem J, Weiss HR, **Davidov T**, Rodriguez R, Molino B, Lazar M, Scholz PM. Heart Failure Reduces Both the Effects and Interaction Between Cyclic GMP and Cyclic AMP. Journal of Surgical Research, 134(2): 300-6, Aug 2006.
8. **Davidov T**, Scholz PM, Tse J, Weiss HR. Chronic Nitric Oxide Synthase Blockade Desensitizes the Heart to the Negative Metabolic Effects of Nitric Oxide. Life Science, 79(17): 1674-80, Sept. 2006.
9. Moalem J, **Davidov T**, Zhang Q, Grover GJ, Weiss HR, Scholz PM., Negative inotropic effects of C-type natriuretic peptide are attenuated in hypertrophied ventricular myocytes associated with reduced cyclic GMP production. Journal of Surgical Research, 135(1):38-44, Sept. 2006.
10. Zhang Q, **Davidov T**, Weiss HR, Scholz PM. SERCA Inhibition Limits the Functional Effects of Cyclic GMP in Both Control and Hypertrophic Cardiac Myocytes. Pharmacology 83:223-230, 2009
11. **Davidov T**, Curran T, Trooskin SZ. Should Radiocontrast be Diluted for Operative Cholangiography? International Journal of Surgery, 7(4):403-404, 2009.
12. Shanker B, Chang EI, Young JS, **Davidov T**, Trooskin SZ. Zenker's Diverticulum Presenting as a Thyroid Nodule: A Case Report. Thyroid, 20(4):439-40, 2010.
13. Suri KB, Hunter CW, **Davidov T**, Anderson MB, Dombrovskiy V, Trooskin SZ. Postoperative Recovery Advantages in Patients Undergoing Thyroid and Parathyroid Surgery Under Regional Anesthesia. Seminars in Cardio and Vasc Anesthesia; 14(1) 49-50; May 20, 2010.
14. **Davidov T**, Trooskin SZ, Shanker B, Yip D, Eng O, Crystal J, Deen MF, May M, Artymyshyn RL. Routine Second Opinion Cytopathology Review of Thyroid Fine Needle Aspiration Biopsies Reduces Diagnostic Thyroidectomy. Surgery, 148(6):1294-1301, Dec. 2010.
15. Chernyavsky VS, Farghani S, **Davidov T**, Ma L, Barnard N, Amorosa LF, Trooskin SZ. Calcitonin-negative neuroendocrine tumor of the thyroid: a distinct clinical entity. Thyroid. 21(2):193-6, 2/2011.

16. Chernyavsky V, **Davidov T**, Boyarsky A. Athlete's Hernia - A True, Early Direct Inguinal Hernia Diagnosis, Pathophysiology, and Surgical Treatment, American Surgeon, 77(11):1472-76, 2011.
17. Chernyavsky VS, Shanker BA, Crystal JS, Ibrahim K, Eng O, Kwong J, **Davidov T**, Trooskin SZ. Is One Benign Thyroid Fine Needle Aspiration Enough? Annals of Surgical Oncology, 19(5):1472-76, 2012.
18. Young J, Potdevin L, **Davidov T**, Mohebati A, Nagar M, Trooskin S. Prostate Adenocarcinoma Metastasis and Papillary Thyroid Carcinoma: A Case Report of Coexisting Thyroid Tumors. Journal of Current Surgery, 2(4-5), 141-143, 2012
19. Potdevin L, **Davidov T**, Trooskin SZ. Routine Thyroid Lobectomy for Thyroid Nodules on the Same Side of a Localized Parathyroid Adenoma During Directed Parathyroidectomy May Reduce Reoperative Thyroid Surgery. Journal of Surgical Research, 172(2):195, 2/2012.
20. Shanker BA, Chernyavsky VS, Johnson K, Honeyman JN, **Davidov T**. Repair of a traumatic lumbar hernia with biosynthetic mesh: a novel approach and review of the literature. Journal of Current Surgery, 2(3), 105-109, 2012
21. Bernescu I, Eng OS, Potdevin L, Monteiro R, Mino J, Chang EI, **Davidov T**. Is HIDA Scan Necessary for Sonographically Suspicious Cholecystitis?. Journal of Current Surgery, 3(2), 62-65, Oct 2013
22. Eng O, Lesniak S, **Davidov T**, Trooskin SZ. Diagnosing Thyroid Lymphoma: Steroid Administration May Result in Rapid Improvement of Dyspnea: a report of two cases. International Journal of Endocrinology and Metabolism, 12(1):11463, 1/1/2014
23. **Davidov T**, Nagar M, Kierson M, Chekmareva M, Chen C, Lu SE, Lin Y, Chernyavsky V, Potdevin L, Arumugam D, Barnard N, Trooskin SZ. Carbonic anhydrase 4 and crystallin alpha-B immunoreactivity may distinguish benign from malignant thyroid nodules in patients with indeterminate thyroid cytology, Journal of Surgical Research, 190(2):565-574, Aug 2014.
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26. Miah CF, Zaman JA, Simon M, **Davidov T**, Trooskin SZ. The Utility of Lymph Node Mapping Sonogram and Thyroglobulin Surveillance in Post Thyroidectomy Papillary Thyroid Cancer Patients. Surgery, 156(6):1491-1497, 12/2014.
27. Arumugam, D, Macias CA, Arlow RL, Narayanan S, Lu SE, Deen M, May, M, Artymyshyn RL, Barnard,NJ, **Davidov T**, Trooskin SZ. Intraoperative Frozen Section May Reduce the Need for Reoperative Thyroid Surgery in Patients with Follicular Neoplasm. Journal of Current Surgery, 6(1):1-5, 3/2016.
28. Higgins LA, Pierce MC, **Davidov T**. Challenges and Limitations of Narrow Band Optical Imaging for Intra-Operative Parathyroid Identification. J. Curr. Surg. 6(1): 14-20, 3/2016.
29. Narayanan S, Arumugam D, Mennona S, Wang M, **Davidov T**, Trooskin SZ. An Evaluation of Postoperative Complications and Costs After Short Stay Thyroid Operations. Annals of Surgical Oncology, 23(5):1440-1445, 5/2016.
30. Vajjala V, Mamarabadi M, Chen S, **Davidov T**. A Case of Occult Papillary Thyroid Carcinoma in Myasthenia Gravis. Muscle and Nerve, 54(3):622, 9/2016.

31. Eng OS, Grant SB, Weissler J, Roychowdhury S, Simon M, **Davidov T**, Trooskin SZ. Operative Bed Recurrence of Thyroid Cancer: Utility of a Preoperative Needle Localization Technique. Gland Surgery, 5(6):571, 12/2016.
32. Narayanan S, **Davidov T**. Peritoneal Pocket Hernia: A Distinct Cause of Early Postoperative Small Bowel Obstruction and Strangulation: A Report of Two Cases Following Robotic Herniorrhaphy, Journal of Minimal Access surgery, 14(2):154-7, 2018.
33. Slatnick, BL, Asghar S, Day E, Dombrovskiy, VY, **Davidov T**. How Many Knots: Mechanical Properties of Sliding Crossed Knots in #1 Polydioxanone Suture, Journal of the American College of Surgeons, 227(4): E135-136, 2018.
34. Kachare MD, Rossi AJ, Mahpour NY, **Davidov T**. Incisional Hernia After Percutaneous Endoscopic Gastrostomy Tube Placement: Importance of Avoiding the Linea Alba. ACG Case Rep Journal, 16:6(7)e00120. 7/2019.
35. Kachare MD, Rossi AJ, Donohue K, **Davidov T**. Telesurgical Assessment (TSA): Using Smartphone Photo Messaging to Efficiently Manage Postoperative Wounds. Telemedicine and E-health Jrnl, 1/2020.

Book Chapters:

1. **Davidov T**, Lowry SF. Appendicitis & Appendiceal Abscess, Mastery of Surgery, 6th edition, 2011.
2. Vidal GP, **Davidov T**. Gallbladder Surgery. The Internists Guide to Minimally Invasive Surgery, Humana Press, 79-92, 2019.

Abstracts:

1. Cohen S, Lowenwirt I, Pantuck C, Amar D, **Davidov T**. Does the Addition of Bupivacaine (0.01%) or Epinephrine Improve the Quality of Post C/S Epidural Fentanyl Analgesia? Anesthesia and Analgesia. Vol. 80, No. 2S, Feb 1995.
2. **Davidov T**, Rodriguez R, Scholz PM, Tse J, Weiss HR. Chronic Nitric Oxide Synthase Blockade Blunts the Myocardial Effects of Nitric Oxide. FASEB Journal, 17:4, A504, 2003.
3. Moalem J, **Davidov T**, Katz E, Weiss HR, Scholz PM. Atrial Natriuretic Peptide Reverses the Effects of Stunning in Rabbit Myocardium. FASEB Journal, 18(4):261 Mar. 2004.
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5. Young JS, **Davidov T**, Mohebbati A, Trooskin SZ. Prostate Adenocarcinoma Metastatic to the Thyroid in the Setting of Concomitant Papillary Thyroid Cancer: A Case Report. Thyroid, 19(s1): 10, 2009
6. Shanker B, Chang EI, Young JS, **Davidov T**, Trooskin SZ. Zenker's Diverticulum Presenting as a Thyroid Nodule: A Case Report. Thyroid, 19(s1): 6, 2009
7. Ang BU, Yip DT, Kierson M, Gannon CJ, **Davidov T**. Occult Retroperitoneal Lymphadenopathy from Metastatic Bladder Carcinoma Resulting in Duodenal Obstruction: Report of Two Cases. Gastroenterology, 138(5)s1:S890, 2010
8. **Davidov T**, Shanker BA, Doneza J, Alvarez S, Chernyavsky V, Hu J, Tinti M, Trooskin, SZ, Ahmed H, Shiroff A, Gracias VH. Does Hemodilution Exist? Crystalloid Infusion And Hemoglobin Concentration In The Surgical Patient. Journal of Surgical Research, 165 (2), 340, 2011.
9. Bernescu I, **Davidov T**. Is HIDA Scan Necessary for Sonographically Suspicious Cholecystitis?, Gastroenterology, 142(5):S1070, 2012

10. Potdevin L, **Davidov T**, Lu S, Yudd A, Trooskin SZ. The residual thyroid bell curve: an assessment of residual thyroid tissue after total thyroidectomy for differentiated thyroid cancer. Thyroid, 22(s1): 42, 2012.
11. Potdevin L, Lu S, **Davidov T**, Trooskin SZ. What is the Risk of Malignancy of a Thyroid Nodule with Suspicious Sonographic Features? Thyroid, 22(s1): 42, 2012
12. Potdevin L, **Davidov T**, Lu S, Trooskin SZ. Does Nodule Size Predict Compressive Symptoms in Patients with Thyroid Nodules? Thyroid, 22(s1), 4, 2012
13. Arumugam D, McCoy J, Tinti M, Gracias V, **Davidov T**. Does the Cooling Phase of Therapeutic Hypothermia Result in Hyperglycemia and Higher Insulin Requirement? Shock, 39:59, 2013.
14. Arumugam D, Macias, CA, Sanders RL, Lu SE, Deen M, May M, Artymyshyn R, Barnard, NJ, **Davidov T**, Trooskin, SZ. Intraoperative frozen section may reduce the need for reoperative thyroid surgery in patients with follicular neoplasm, Thyroid, 23(s1): 32, 2013.

PRESENTATIONS:

1. **Davidov T**, Hong J. Novel Use of Acetazolamide in the Treatment of Rhabdomyolysis Induced Myoglobinuric Renal Failure. NJ Chapter of the American College of Surgeons, Newark, New Jersey, 2004.
2. **Davidov T**, Rodriguez R, Scholz PM, Tse J, Weiss HR. Chronic Nitric Oxide Synthase Blockade Blunts the Myocardial Effects of Nitric Oxide. Federation of American Societies of Experimental Biology, San Diego, California, 2003.
3. Young JS, **Davidov T**, Mohebbati A, Trooskin SZ. Prostate Adenocarcinoma Metastatic to the Thyroid in the Setting of Concomitant Papillary Thyroid Cancer: A Case Report. American Thyroid Association, Palm Beach, FL, 2009
4. Shanker B, Chang EI, Young JS, **Davidov T**, Trooskin SZ. Zenker's Diverticulum Presenting as a Thyroid Nodule: A Case Report. American Thyroid Association, Palm Beach, FL, 2009
5. **Davidov T**, Trooskin SZ, Shanker BA, Yip D, Eng O, Crystal J, May M, Deen M, Artymyshyn R. Routine Second Opinion Cytology Review of Thyroid Fine Needle Aspiration Biopsies Reduces the Need for Diagnostic Thyroidectomy. American Association of Endocrine Surgeons, Pittsburgh, PA, 2010
6. Farghani S, **Davidov T**, Ma L, Trooskin SZ, Barnard N, Amorosa L. Calcitonin Negative Neuroendocrine Tumor of the Thyroid (CNNETT): A Distinct Clinical Entity. American Association of Clinical Endocrinologist, Boston, MA, 2010
7. Ang BU, Yip DT, Kierson M, Gannon CJ, **Davidov T**. Occult Retroperitoneal Lymphadenopathy from Metastatic Bladder Carcinoma Resulting in Duodenal Obstruction: Report of Two Cases. Society for Surgery of the Alimentary Tract - Digestive Disease Week, New Orleans, LA, 2010
8. **Davidov T**, Shanker BA, Doneza J, Alvarez S, Hu J, Chernyavsky V, Tinti M, Trooskin SZ, Ahmed H, Shiroff A, Gracias VH. Does Hemodilution Exist? Crystalloid Infusion and Hemoglobin Concentration in the Surgical Patient. Academic Surgical Congress, Huntington Beach, CA, 2011
9. Chernyavsky VS, Shanker BA, Crystal JS, Ibrahim K, Eng O, Kwong J, **Davidov T**, Trooskin SZ. Does Routine Interval Repeat Fine Needle Aspiration Biopsy of Benign Thyroid Nodules Reduce Sampling Error? American Association of Endocrine Surgeons, Houston, TX, 2011.
10. Macias CA, Sanders R, Arumugam D, Javidian P, **Davidov T**, Trooskin SZ. Predictive Factors of Malignancy in a Multivariable Model of Follicular Neoplasia of the Thyroid. American College of Surgeon Clinical Congress, San Francisco, CA, October 2011.

11. Shanker BA, Curran T, Crystal JS, Chernyavsky VS, **Davidov T**, Trooskin SZ. Safety of Thyroid and Parathyroid Surgery on Clopidogrel, American Thyroid Association, Indian Wells, CA, October 2011
12. Kim J, Cohen S, **Davidov T**, Hunter CW. Asymptomatic thyromegaly as a cause of high intraoperative peak inspiratory airway pressure, NYS Society of Anesthesiology, New York, NY, 12/2011
13. Potdevin L, **Davidov T**, Trooskin SZ. Routine Thyroid Lobectomy For Thyroid Nodules On The Same Side Of a Localized Parathyroid Adenoma During Directed Parathyroidectomy May Reduce Reoperative Thyroid Surgery, Academic Surgical Congress, Las Vegas, NV, 2/2012
14. Bernescu I, **Davidov T**. Is HIDA Scan Necessary for Sonographically Suspicious Cholecystitis?, Digestive Disease Week, San Diego, CA, 5/2012
15. Potdevin L, **Davidov T**, Lu S, Yudd A, Trooskin SZ. The residual thyroid bell curve: an assessment of residual thyroid tissue after total thyroidectomy for differentiated thyroid cancer at university and community hospitals. American Thyroid Association, Quebec City, Canada, 9/2012
16. Potdevin L, Lu S, **Davidov T**, Trooskin SZ. Which sonographic features of thyroid nodules are most predictive of malignancy? American Thyroid Association, Quebec City, Canada, 9/2012
17. Potdevin L, **Davidov T**, Trooskin SZ. Does nodule size predict compressive symptoms in patients with thyroid nodules? American Thyroid Association, Quebec City, Canada, 9/2012
18. Trooskin SZ, Lanke G, **Davidov T**. Routine preoperative ultrasound of the lateral neck in patients with papillary thyroid cancer. American Association of Endocrine Surgeons, Chicago, 4/2013
19. Arumugam D, **Davidov T**, McCoy J, Tinti M, Gracias V. Does the Cooling Phase of Therapeutic Hypothermia Result in Hyperglycemia and Higher Insulin Requirement? Shock, San Diego, 6/2013
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21. **Davidov T**, Nagar M, Kierson M, Chekmareva M, Chen C, Lu SE, Lin Y, Chernyavsky V, Potdevin L, Arumugam D, Barnard N, Trooskin SZ. Carbonic anhydrase 4 and crystallin alpha-B immunoreactivity may distinguish benign from malignant thyroid nodules in patients with indeterminate thyroid cytology, Academic Surgical Congress, San Diego, CA, 2/2014
22. Zaman J, Chowdhury MF, Simon M, **Davidov T**, Trooskin SZ. The Utility of Lymph Node Mapping Sonogram and Thyroglobulin Surveillance in Post-Thyroidectomy Papillary Thyroid Cancer Patients, American Association of Endocrine Surgeons, Boston, MA, 4/2014
23. Higgins L, **Davidov T**, Pierce M. Optical Spectroscopy and Narrowband Imaging for Improved Identification of the Parathyroid, Biomedical Engineering Society, San Antonio, TX, 10/2014.
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25. Landgraf BR, Ocampo-Salazar A, Curcio-Freeman C, Grayer N, Paulus S, **Davidov T**, Tse J. A Novel Nasal TSE-PAP Mask Assembly Provided Continuous Oxygenation in a Morbidly Obese Patient with Respiratory Failure During Emergency Awake Intubation. ISPCOP Symposium, Chicago, IL, 10/24/16
26. Eng OS, Grant SB, Ashford H, Weissler J, **Davidov T**, Trooskin SZ. Routine Surveillance Ultrasound in Screening for Recurrence After Neck Dissection in Patients with Thyroid Cancer. Society of Surgical Oncology, Seattle, 3/15-

3/18, 2017.

27. Crystal J, **Davidov T**, Trooskin SZ. Risk of Postoperative Hematoma in Patients Undergoing Thyroid and Parathyroid Surgery While on Clopidogrel. American College of Surgeons, Clinical Congress, Boston, MA, October 2018.
28. Slatnick B, Ashghar S, Day E, **Davidov T**. How Many Knots: Mechanical Properties of Sliding Crossed Knots in #1 Polydioxanone (PDS) Suture, American College of Surgeons Clinical Congress, Boston, MA, October 2018.
29. Slatnick B, Day E, Ashgar S, Dombrovskiy VY, Davidov T. Square Knots vs. One Handed Sliding Crossed Knots in #1 PDS Suture. Academic Surgical Congress, Houston, TX, February 2019.
30. Qudah Y, Crystal JS, Wade J, Trooskin SZ, Davidov T. Does thyromegaly with tracheal deviation or substernal extension pose high risk of acute airway compromise? Academic Surgical Congress, Houston, TX, February 2019.