

CURRICULUM VITAE

Matthew M. Puc, BS, MD

- Date of Birth:** 10/12/1970
Livingston, NJ
- Marital Status:** Married
- Contact Info:** pucm@slhn.org
- Current Position:** **St. Luke's Hospital & Health Network**
Division of Thoracic Surgery
Cardiovascular and Thoracic Surgery Associates of St. Luke's
701 Ostrum Street, Suite 603
Bethlehem, PA 18015
07/2008 to present
- Work Experience:** Surgical Group of South Jersey, PA
Cardio-Thoracic Surgery
08/2005 to 06/2007
- Education:** Emory University, Atlanta, GA
(Biology) BS, 1988-05/1992

University of Medicine and Dentistry of New Jersey/
Robert Wood Johnson Medical School – Camden, NJ
(Doctor of Medicine) MD, 1992-05/1996
- Postgraduate Education:**
University of Medicine and Dentistry of New Jersey/
Robert Wood Johnson Medical School – Camden, NJ
General Surgery Residency Program 1996-06/2002

University of Massachusetts Medical Center - Worcester, MA
Thoracic Surgery Residency Program 2002-06/2005

University of Pennsylvania – Philadelphia, PA
Clinical/Research Fellowship in Thoracic Surgery
Division of Thoracic Surgery/
University of Pennsylvania Health System
7/1/2007 to 6/30/2008

Certification: General Surgery, American Board of Surgery,
09/17/2003 Cert.#48448

Thoracic Surgery, American Board of Thoracic Surgery,
06/03/2006 Cert.#7226

Licensure: New Jersey State Board of Medical Examiners,
1997, #25MA06652700
Pennsylvania State Board of Medical Examiners,
2007, #MD431388

Society Memberships:
Fellow of the American College of Surgeons
Society of Thoracic Surgeons

Research Experience:
Surgical Residency Research Fellowship - University of
Medicine and Dentistry of New Jersey/Robert Wood Johnson
Medical School, Camden, New Jersey. (1 year, 07/1998-
06/1999)

University of Medicine and Dentistry of New Jersey/Robert
Wood Johnson Medical School - Camden, New Jersey.
American Cancer Society Summer Student Fellowship. (3
months, 1994)

Emory University/Emory Eye Center - Atlanta, Georgia. A
comparison of ouabain and 12(R)HETE on the endothelial
function of rat cornea. (1 academic year, 08/1991-05/1992)

Publications:

Peer-Reviewed:

1. **MM Puc**, FJ Podbielski, AA Conlan. A novel technique for creation of adjustable pneumoperitoneum. *The Annals of Thoracic Surgery* 2004;77:1469-1471.
2. **MM Puc**, HS Tran, PC Wry, SE Ross. Ultrasound is not a useful screening tool for acute acalculous cholecystitis in critically ill trauma patients. *American Surgeon* 2002;68:65-69.
3. HS Tran, J Quinn, **MM Puc**, D Woolley, R Puglisi, GJ Slotman. Prostacyclin is neither sufficient alone nor necessary to cause pulmonary dysfunction: Results from infusions of prostacyclin and anti-prostacyclin antibody in porcine septic shock. *Critical Care Medicine* 2001;29:1445-1451.

4. HS Tran, **MM Puc**, J-LV Tran, AJ DelRossi, CW Hewitt. A method of endoscopic endotracheal intubation in rabbits. *Laboratory Animals* 2001;35:249-252.
5. **MM Puc**, SE Marra, HS Tran, JH Cilley, CW Hewitt, AJ DelRossi. A novel technique in a sheep model for evaluating prosthetic heart valve performance. *Journal of Investigative Surgery* 2000;14:55-61.
6. CW Hewitt, SW Marra, BR Kann, HS Tran, **MM Puc**, FA Chrzanowski, JLV Tran, SD Lenz, JH Cilley, VA Simonetti, AJ DelRossi. BioGlue® surgical adhesive for thoracic aortic repair during coagulopathy: efficacy and histopathology. *The Annals of Thoracic Surgery* 2001;71:1609-1612.
7. HS Tran, M Moncure, M Tarnoff, M Goodman, **MM Puc**, D Kroon, CEM Brathwaite, J Eydelman, SE Ross. Predictors of operative outcome in patients with human immunodeficiency virus infection and acquired immunodeficiency syndrome. *American Journal of Surgery* 2000;180:228-233.
8. **MM Puc**, FA Chrzanowski, HS Tran, B Geldziler, M Martucci, EJ Doolin, CW Hewitt. Multiple oblique illumination and high definition microscopy for breast fine needle aspirates. *Journal of Investigative Surgery* 2000;13:259-263.
9. G Albaugh, **MM Puc**, BR Kann, P Vemulaapalli, SW Marra, AJ DelRossi, SE Ross. Age-adjusted outcomes in traumatic flail chest injuries in the elderly. *American Surgeon* 2000;66:978-981.
10. **MM Puc**, C Antinori, D Villaneuva, M Tarnoff, J Heim. Ten-year experience with mersilene-reinforced sternal wound closure. *The Annals of Thoracic Surgery* 2000;70:97-99.
11. HS Tran, J Quinn, **MM Puc**, D Woolley, R Puglisi, GJ Slotman. The cardiovascular hemodynamics and leukotriene kinetics during prostacyclin and anti-prostacyclin antibody infusions in septic shock. *Shock* 2000;13:478-484.
12. HS Tran, FA Chrzanowski, **MM Puc**, SW Marra, A Ng, JH Cilley, CW Hewitt, AJ DelRossi. A sheep model for thoracic aorta surgery in the presence of coagulopathy. *Journal of Investigative Surgery* 2000;13:111-116.
13. **MM Puc**, FA Chrzanowski, HS Tran, L Lu, G Glicksman, C Landman, GJ Slotman. The efficacy of chemotherapy-sensitized radiation therapy on cervical metastases in head and neck cancer patients. *Archives of Otolaryngology/Head and Neck Surgery* 2000;126:337-342.

14. **MM Puc**, S Levin, HS Tran, SW Marra, CW Hewitt, AJ DelRossi. Transmyocardial laser revascularization: Current status. *Journal of Investigative Surgery* 2000;13:15-27.
15. HS Tran, **MM Puc**, FA Chrzanowski, N Patel, D Malli, R Ramsamooj, B Geldziler, CW Hewitt, D Soll, AJ DelRossi. An in vivo evaluation of a chondroitin sulfate solution to prevent postoperative intraperitoneal adhesion formation. *Journal of Surgical Research* 2000;88:78-87.
16. **MM Puc**, HS Tran, M Goldstein, M Tarnoff, M Goodman, GJ Slotman. Efficacy of jejunogram after jejunostomy insertion. *American Surgeon* 1999;65:1097-1100.
17. HS Tran, **MM Puc**, CW Hewitt, DR Soll, SW Marra, V Simonetti, JH Cilley, AJ DelRossi. Diamond-like carbon coating and plasma or glow discharge treatment of mechanical heart valves. *Journal of Investigative Surgery* 1999;12:133-140.
18. H Suzuki, CW Hewitt, HS Tran, **MM Puc**, N Patel, M Matthews, R Dalsey, EJ Doolin, AJ DelRossi. Composite tissue/vascularized bone marrow transplantation: A hierarchy of tissue tolerogenicity. *Graft* 1999;2:111-115.
19. HS Tran, D Malli, FA Chrzanowski, **MM Puc**, M Matthews, CW Hewitt. Site-specific immunosuppression using a new formulation of topical cyclosporine A with polyethylene glycol-8 glyceryl caprylate/caprato. *Journal of Surgical Research* 1999;83:136-140.

Books/Chapters:

1. HS Tran, **MM Puc**, D Soll, CW Hewitt, AJ DelRossi: Surface modification of mechanical aortic valves: effects on thrombogenicity, in DL Wise, DJ Trantolo, K-U Lewandrowski, JD Gresser, MV Cattaneo, MJ Yaszemski (eds): *Biomaterials Engineering and Devices: Human Applications*, vol 1. Totowa, New Jersey, Humana Press, Inc., 2000,137-144.

Presentations:

1. JB Shrager, S Soonad, **MM Puc**. Lung volume reduction surgery: Pros and cons of open vs VATS approaches learned from 67 cases. The International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), Boston, Massachusetts – June 11-14, 2008.
2. **MM Puc**. Pre-operative evaluation & surgical treatment of non-small cell lung cancer. University of Pennsylvania South Zone Retreat Day, Philadelphia, Pennsylvania – October 20, 2007

3. **MM Puc**. Preoperative evaluation & surgical treatment of non-small cell lung cancer. UMDNJ/Robert Wood Johnson Medical School Surgical Grand Rounds, Camden, New Jersey – December 18, 2001.
4. **MM Puc**, C Antinori, C Fields, J Costabile, D Andrews. Delayed prosthetic graft infection. 8th Annual Pennsylvania Hospital Vascular Symposium, Philadelphia, Pennsylvania - April 7-8, 2000.
5. **MM Puc**, HS Tran, M Pello, T Cataldo, AJ DelRossi. Intestinal obstruction through a non-surgical lesser omental defect. 68th Annual Scientific Meeting for Southeastern Surgical Congress, Lake Buena Vista, Florida - February 6-8, 1999.
6. **MM Puc**, M Kling, HS Tran, E Catalano. Diagnosis and management of carcinoma in ectopic breast tissue. 68th Annual Scientific Meeting for Southeastern Surgical Congress, Lake Buena Vista, Florida - February 6-8, 1999.
7. G Albaugh, P Vemulaapalli, BR Kann, **MM Puc**, SW Marra, AJ DelRossi, SE Ross. Flail chest in the elderly. 68th Annual Scientific Meeting for Southeastern Surgical Congress, Lake Buena Vista, Florida - February 6-8, 1999.
8. CW Hewitt, SW Marra, **MM Puc**, HS Tran, JH Cilley, AJ DelRossi. A new tissue bioadhesive (BioGlue) for thoracic aorta surgery during coagulopathy. 36th Annual Meeting of the Society of Thoracic Surgeons, Fort Lauderdale, Florida - January 31-February 2, 2000.
9. **MM Puc**, HS Tran, N Patel, AJ DelRossi, CW Hewitt. A simple tissue implant model to study xenogeneic and allogeneic rejection. 35TH Annual Meeting of the Association for Academic Surgery, Philadelphia, Pennsylvania - November 18-20, 1999.
10. **MM Puc**, HS Tran, PC Wry, SE Ross. The diagnosis of acalculous cholecystitis in critically ill trauma patients: value of ultrasound. American Association for the Surgery of Trauma, Boston, Massachusetts – September 16-18, 1999.
11. **MM Puc**, SE Marra, HS Tran, FA Chrzanowski, JH Cilley, CW Hewitt, AJ DelRossi. A novel technique in a sheep model for evaluating prosthetic heart valve performance. 15th Annual Scientific Session for the Academy of Surgical Research, Scottsdale, Arizona - September 2-4, 1999.
12. **MM Puc**, HS Tran, FA Chrzanowski, L Lu, G Glicksman, GJ Slotman. The effect of T stage on the efficacy of chemotherapy-sensitized radiotherapy in head and neck cancer. Association of VA Surgeons, St. Louis, Missouri – May 1-4, 1999.

13. **MM Puc**, FA Chrzanowski, HS Tran, L Lu, G Glicksman, GJ Slotman. The efficacy of chemotherapy-sensitized radiation therapy on cervical metastases in head and neck cancer patients. Annual Meeting of the American Head and Neck Society, Palm Desert, California – April 24-27, 1999.
14. **MM Puc**, CW Hewitt, M Kain, L Strande, HS Tran, AJ DelRossi, EJ Doolin. A novel rejection model using a microgravity based 3D cell culture system. The Cell Transplant Society Fourth International Congress, Montreux, Switzerland - March 21-24, 1999.
15. **MM Puc**, HS Tran, FA Chrzanowski, N Patel, D Malli, R Ramsamooj, B Geldziler, CW Hewitt, D Soll, AJ DelRossi. The effect of chondroitin sulfate on intra-peritoneal adhesion formation. 67th Annual Scientific Meeting for Southeastern Surgical Congress, Tampa, Florida – February 13-17, 1999.
16. **MM Puc**, HS Tran, M Goldstein, M Tarnoff, M Goodman, GJ Slotman. Efficacy of jejunogram after jejunostomy insertion. 67th Annual Scientific Meeting for Southeastern Surgical Congress, Tampa, Florida - February 13-17, 1999.
17. **MM Puc**, FA Chrzanowski, M Goodman, GJ Slotman. Prognostic significance of primary and metastatic tumor skin involvement in stage IV head and neck cancer. Fifth Research Workshop on the Biology, Prevention and Treatment of Head and Neck Cancer, McLean, Virginia - August 27-30, 1998.
18. Holley, **MM Puc**, K William, WD Woods, DH Geroski, HF Edelhauser. A comparison of ouabain and 12(R)HETE on the endothelial function of the rat cornea. Annual Meeting of The Association for Research in Vision and Ophthalmology (ARVO), Sarasota, Florida - May 3-8, 1992.