

CURRICULUM VITAE

NAME: Thomas E. Gaines, M.D., F.A.C.S.

BIRTHDATE: August 10, 1952

BIRTHPLACE: Mountain Home Air Force Base, Idaho

EDUCATION:

Undergraduate: Seattle Pacific College
Seattle, Washington
1970 - 1974
B.S., June 1974

Medical School: University of Washington
Seattle, Washington
1975 - 1979
M.D., June 1979

Internship: William Beaumont Army Medical Center
El Paso, Texas
Categorical Surgery
1979 - 1980

Residency: William Beaumont Army Medical Center
El Paso, Texas
General Surgery
1980 - 1984

Fellowship: Walter Reed Army Medical Center
Washington, D.C.
Cardiothoracic Surgery
1986 - 1988

MILITARY SERVICE: United States Army, Nuernberg
General Surgeon
1984 - 1986

United States Army, Nuernberg
Director- Intensive Care Unit
1985 - 1986

United States Army
Fitzsimons Army Medical Center
Cardiothoracic Surgeon 1988-1991
Chief, Cardiothoracic Surgery 1990-1991

**BOARD
CERTIFICATION:**

Diplomat National Board of Medical Examiners, 1980
American Board of Surgery, Certified 1985,
Recertified 1993
American Board of Thoracic and Cardiovascular Surgery
Certified 1989, Recertified 1998

**MEDICAL
LICENSURE:**

State of Tennessee, MD 021056, 1990
State of Washington, MD 19382, 1981
State of Colorado, MD 29190, 1988

**PROFESSIONAL
SOCIETIES:**

American College of Chest Physicians
American College of Surgeons
Society of Thoracic Surgeons
Tennessee Medical Association
Knoxville Academy of Medicine

**UNIVERSITY
APPOINTMENTS:**

Associate Professor-Division of Cardiothoracic Surgery
University of Tennessee Medical Center
Knoxville, Tennessee
July 2005 - Present

Assistant Professor-Division of Cardiothoracic Surgery
University of Tennessee Medical Center
Knoxville, Tennessee
December 1991 - July 2005

**HOSPITAL
APPOINTMENTS:**

University of Tennessee Medical Center
Knoxville, Tennessee
Active, 1991

Ft. Sanders Regional Hospital
Knoxville, Tennessee
Courtesy, 1993- present

Parkwest Medical Center
Knoxville, Tennessee
Courtesy, 2001- present

St. Mary's Medical Center
Knoxville, Tennessee
Courtesy, 2000 - present

Blount Memorial Hospital
Maryville, Tennessee
Consulting/Clinical, 2005 - present

**PROFESSIONAL
EXPERIENCE:**

Cardiothoracic Surgeon
University Heart Surgeons PLLC
Knoxville, Tennessee
May 1991 - present

**TEACHING
EXPERIENCE:**

1. Current Status of Myocardial Protection of Cardiac Surgery, Anesthesia Grand Rounds, University of Tennessee Medical Center at Knoxville, Tennessee, 1992.
2. Post-op Care of Cardiac Surgery Patients, Surgery Grand Rounds, University of Tennessee Medical Center at Knoxville, Tennessee, 1994.
3. Thoracotomy for Lung Cancer - retrospective Review of 63 Patients, Surgery Grand Rounds, University of Tennessee Medical Center at Knoxville, Tennessee, 1994.
4. Current Status of Cardiothoracic Surgery, Surgery Grand Rounds, University of Tennessee Medical Center at Knoxville, Tennessee, April 1995.
5. Endocarditis, Cardiology Grand Rounds, University of Tennessee Medical Center at Knoxville, Tennessee, May 1995.
6. Empyema, Lung Abscess and other Abnormalities in the Chest, Surgery Grand Rounds, University of Tennessee Medical Center at Knoxville, Tennessee, December 1995.

7. Surgical Treatment of Esophageal Disease, Surgery Grand Rounds, University of Tennessee Medical Center at Knoxville, Tennessee, February 1997.
8. Lung Cancer, Surgery Grand Rounds, University of Tennessee Medical Center at Knoxville, Tennessee, February 1999.
9. Acute Aortic Syndromes, Cardiology Grand Rounds, University of Tennessee Medical Center at Knoxville, Tennessee, January 21, 2004.
10. The Approach to the Patient with Suspected Aortic Dissection, Cardiology Noon Conference, University of Tennessee Medical Center at Knoxville, October 25, 2006.
11. What is the deal on Atrial Fibrillation?, Advances & Basics for the Primary Care Provider, Heart, Lung & Vascular, University of Tennessee Medical Center at Knoxville, September 22, 2006.
12. Dean's Grand Rounds, University of Tennessee Medical Center at Knoxville, December 15, 2006.
13. Current Status of Cardiac Surgery, Cardiology Noon Conference, University of Tennessee Medical Center at Knoxville, June 13, 2007
14. What's the Deal on Atrial Fibrillation?, Noon Conference at the University of Tennessee Medical Center, June 27, 2007.

VISITING PROFESSORSHIPS - INVITED LECTURES:

1. Intraoperative Management for Inferior Vena Cava injuries, William Beaumont Trauma Symposium, September 1982.
2. Infectious Complications for Vascular Surgery, Gary P. Wratten Symposium, April 1983.
3. Upper Gastrointestinal Hemorrhage in Critically Ill Patients, Gary P. Wratten Symposium, April 1984.
4. Upper Gastrointestinal Hemorrhage in Critically Ill Patients, New Mexico Chapter Meeting, American College of Surgeons, June 1984.
5. Intervention for Coronary Artery Disease, Changing Patterns 1986 and 1979, Cardiology Section Army Chapter of American College of Physicians, 1987.

6. Intervention for Coronary Artery Disease, Changing Patterns 1986 and 1979, Uniformed Services, University of Health Sciences Cardiothoracic Symposium, 1987.
7. Aortic Arch Reconstruction in Children with Takayasu's arteritis, Uniformed Services, University of Health Sciences Cardiothoracic Symposium, 1987.
8. Adrenal Cortical Carcinoma Involving the Inferior Vena Cava, Case Presentation, Society of Thoracic Surgeons Meeting, 1988.
9. Staging for Lung Cancer, Radiology Conference, University of Tennessee Medical Center at Knoxville, Tennessee, 1994.
10. Is Lung Cancer a Curable Disease? University Chest Service, an Update on Diagnosis and Management of Pulmonary Disease/Malignancies, Gatlinburg, Tennessee, May 20, 1998.
11. Current Status of Coronary Artery Disease, 24th Annual Family Practice Update, Gatlinburg, Tennessee, May 4, 2001.
12. Advances in Cardiac Surgery, University of Tennessee Cardiology Fall Symposium, October 2002.
13. Lung Cancer 2003, University of Tennessee Cancer Symposium, University of Tennessee Medical Center at Knoxville, Tennessee, May 31, 2003.
14. Lung Cancer New Treatment Options at Knoxville, Tennessee, September 2003.

PRESENTATIONS:

1. McDonald GP, Hubner KF, Gaines TE, Dieter RA, Licata CA, Thie JA: The Utility of FDG-PET for Mediastinal Staging in Non-Small-Cell Lung Cancer, 2002 Annual Residents' Research Day, Department of Surgery, The University of Tennessee Medical Center at Knoxville, June 22, 2002.
2. Prault T, Dieter III RA, Gaines TE, Mack JW, Tallent A: Cell-saver vs. processed pump blood in CABG: effects on post-operative transfusion and cost-effectiveness, Department of Surgery, University of Tennessee Medical Center at Knoxville, February 2005.

3. Mancini GJ, Cooper CM, Gaines TE: Giant Leiomyoma of the Esophagus, Southeastern Surgical Congress Annual Meeting, New Orleans, LA, February 2005.
4. Mallat AF, Alterman DM, Dieter RA, Mack JW, Gaines TE: Initial Experience with Video Assisted Thoracoscopic Lobectomy, 2006 Annual Residents' Research Day, University of Tennessee Medical Center at Knoxville, June 17, 2006.
5. Amortegui J, Bell J, Gaines T: Comparison of Transhiatal and Transthoracic esophagectomy for carcinomas of the gastroesophageal junction, presented at the SSO's 60th Annual Cancer Symposium, Washington DC, March 15-18, 2007.
6. Amortegui J, Bell J, Gaines T: Cancer of the gastroesophageal junction, importance of surgical resection, presented at the SSO's 60th Annual Cancer Symposium, Washington DC, March 15-18, 2007.
7. Atrial Fibrillation, Messiah Lutheran Church in Knoxville, April 16, 2007.

PUBLICATIONS AND JOURNAL ARTICLES:

1. Gaines TE, Roundhill D, Max: Alkyl and Arylthioridium (1) Complexes, *Inorganic Chemistry* 1974, 13: 2521-2522.
2. Gaines TE, Cabanaugh DG, Butler J: Traumatic Avulsion of the Inferior Vena Cava from the Right Atrium, *Case Report Military Med.* 1983, 148: 48-49.
3. Cabellon S, Gaines TE, Monsivais J, Apgar R, Cavanaugh D: Brachial Artery Mycotic Aneurysms: Complications of Cardiac Catherization, *Military Med.* 1986, 151: 54-56.
4. Watson W, Gaines TE: Third-Trimester Colectomy for Severe Ulcerative Colitis, *J Reprod Med.* 1987, 32: 869-872.
5. Mardini AH, Champam MK, Gaines TE, Acker JJ: The Expanded Role of Coronary Angioplasty During Pregnancy, *J TN Med. Asso.* 1995, 88: 423-424.
6. McCarthy VP, Patamasucon P, Gaines TE, Lucas MA: Necrotizing Pneumococcal Pneumonia in Childhood, *Ped Pulmonology* 1999, 28: 217-221.

7. Dieter R, Rayla A, Pacanowski JR JP, Migrino R, Gaines TE, Dieter III RA: Acute aortic syndromes, aortic dissections, penetrating aortic ulcers and intramural hematomas, *Expert Rev Cardiovasc Ther.* 2005, May:3(3): 432-31.
8. Barbee JP, Stevens SL, Gaines TE, Gash JR: Endovascular repair of cervical aortic arch aneurysm, in publication 2007.