

*Curriculum Vitae*

**Eric L. Grogan, M.D., M.P.H.**

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**Current Positions and Office Address**

Assistant Professor  
Department of Thoracic Surgery  
Department of Medicine – Institute for Medicine and Public Health  
Staff Thoracic Surgeon, Veterans Hospital, Nashville, TN  
609 Oxford House  
Nashville, TN 37232-4682

**EDUCATIONAL BACKGROUND**

Vanderbilt University School of Medicine Nashville, TN	M.P.H.	2002-2004
Vanderbilt University School of Medicine Nashville, TN	M.D. (AOA)	1995-1999
David Lipscomb University Nashville, TN	B.S. ( <i>Summa Cum Laude</i> )	1990-1995

**POSTDOCTORAL TRAINING**

Resident: Thoracic Surgery University of Virginia Charlottesville, VA		2006-2008
Covidian Minimally Invasive Thoracic Fellow University of Virginia Charlottesville, VA		2007-2008
Chief Resident: General Surgery Vanderbilt University Medical Center Nashville, TN		2005-2006
Resident in Research VA Quality Scholars Fellowship Program Veterans Affairs Hospital & Vanderbilt University Medical Center Nashville, TN		2002-2004
Resident: General Surgery Vanderbilt University Medical Center Nashville, TN		2004-2005 2000-2002
Internship: General Surgery Vanderbilt University Medical Center Nashville, TN		1999-2000

**LICENSURE / CERTIFICATION**

National Provider Identifier (1023220753)	
American Board of Thoracic Surgery (7550)	2009-2019
American Board of Surgery: General Surgery (CN 51830)	2006-2016
Tennessee Medical License (MD0000036069)	2002-present
Virginia Medical License (0116018259)	2006-2008
Covidien (US Surgical) Advanced Minimally Invasive Thoracic Training Course Elancourt, France	July 2007
ACLS (Advanced Cardiac Life Support)	April 2007
ATLS (Advanced Trauma Life Support)	2001, 2004
Crew Training International Trainer Course	Sept 2003

Crew Training International Dynamic Outcomes Management Course Aviation Safety Training for Health Care Professionals	April 2003
SAGES Advanced Laparoscopic Training Course, Ethicon Institute, OH	2001

**ACADEMIC APPOINTMENTS**

Assistant Professor of Surgery Department of Thoracic Surgery	2008- present
Assistant Professor of Medicine Institute for Medicine and Public Health	2008-present

**HOSPITAL APPOINTMENTS**

Vanderbilt University Medical Center	2008-present
Veterans Hospital – Tennessee Valley Health Care System	2008-present
Nashville General Hospital at Meharry	2008-present
Williamson County Medical Center	2009-present

**OTHER EMPLOYMENT AND WORK EXPERIENCE**

<i>Research Assistant:</i> Autonomic Failure David Robertson, M.D. Clinical Research Center Vanderbilt University Medical Center	1996
<i>Dockhand</i> American Freightways, Inc., Smyrna, TN	1995
<i>Property Maintenance Technician</i> Excel Commercial Services, Inc., Nashville, TN	1995
<i>Research Assistant:</i> Plasmid sequence verification and DNA sequencing Ann Richmond, PhD. Cell Biology Vanderbilt University Medical Center	1993
<i>Tennis Instructor &amp; Lawn Maintenance</i> Paducah, KY and Nashville, TN	1989-1993

**HONORS & AWARDS**

***Post Graduate***

Best Poster Vanderbilt University Medical Center 21 <sup>st</sup> Annual Research Forum	2003
Third Place, ‘Top Gun’ Laparoscopic Competition SAGES World Congress	2001

***Graduate***

H. William Scott Student Surgery Award, Vanderbilt University	1999
Alpha Omega Alpha, Vanderbilt University	1998
American College of Surgeons Medical Student Program Representative	1998

***Undergraduate***

Summa Cum Laude, David Lipscomb University	1995
Alpha Chi Honor Society, David Lipscomb University	1995
Best Paper, Tennessee Academy of Sciences, Molecular Biology Division	1994
Captain Tennis Team, David Lipscomb University	1993, 1994
All District Tennis Team, NAIA District 24	1992, 1994
J.R. Beyer Award, David Lipscomb Christian/Student/Athlete of the year	1994
A.O. Duer Award, District 24 All Sports Scholar/Athlete of the Year	1993

**PROFESSIONAL ORGANIZATIONS**

Alpha Omega Alpha	1998-present
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American College of Surgeons- Resident and Associate Member	2000-present
ACOSOG – Thoracic Oncology Committee	2009-present
RAS Council of Representatives - Education Committee	2003-2008
ACS – ASE Conference on Education to Reduce the Risk of Surgical Errors	2005-Feb
ACS / ACGME Conference for Development of Surgical Patient Safety Curriculum	2005-May
Society of Thoracic Surgeons – Associate Member	2008-present
American College of Chest Physicians – Fellow	2009-present
Society of American Gastrointestinal Endoscopic Surgeons (SAGES)	2001-present
Society of Critical Care Medicine	2003-2005
American Medical Association	1995-present
Tennessee Medical Association	2002-2006

## **PROFESSIONAL ACTIVITIES**

### ***Institutional Service:***

Inpatient patient reported outcomes working group	2009-present
House Staff Advisory Committee	2002-2004
Executive Patient Safety Council	2002-2004
Crew Resource Management Implementation and Research Committee	2004-2004

### ***Teaching:***

<i>Bronchoscopy Course – Intern Class Lecture</i> Vanderbilt University Medical Center	Oct 8, 2009
<i>Solitary Pulmonary Nodule – 3<sup>rd</sup> Year Medical Student Surgery Lecture</i> Vanderbilt University School of Medicine	Dec 10, 2008 Mar 11 & Aug 12, 2009
<i>Decision Analysis –Master’s of Public Health Program</i> Vanderbilt University Medical Center	October 7, 2008
<i>Proctor - Thoracic Resident Teaching Conference</i> Vanderbilt University Medical Center	August 11, 2008
<i>Thoracoscopic Lobectomy. Thoracic Surgery Conference</i> University of Virginia	Dec, 11, 2007
<i>Complications of Pneumonectomy. Nursing Education Day</i> University of Virginia	June 19,2007
<i>Esophageal Cancer: Neoadjuvant Therapy. Thoracic Surgery Conference</i> University of Virginia	Feb 26, 2007
<i>Pulmonary Segmentectomy. Thoracic Surgery Conference</i> University of Virginia	August 28, 2006
<i>Hemodynamic Monitoring. Surgical Resident Teaching Conference</i> Vanderbilt University Medical Center	July 18, 2005
<i>Documentation, Coding, and the Risk Adjusted Mortality Initiative</i> Surgical Resident Teaching Conference Vanderbilt University Medical Center	Aug 6, 2004
<i>Surgical Night Call. Clinical Management Course (MED 5792)</i> Vanderbilt University Medical Center	Feb 2, 2004
<i>Fatigue and Patient Safety. Vanderbilt Surgical House staff Orientation</i> Vanderbilt University Medical Center	June 30, 2003
<i>Managing Fatigue. Mandatory Faculty and Staff Web-Based Course</i> Vanderbilt University Medical Center	2003-present
<i>Breast Cancer. Surgical Resident Teaching Conference</i> Vanderbilt University Medical Center	June 10, 2003
<i>Peripheral Vascular Disease. Surgical Resident Teaching Conference</i> Vanderbilt University Medical Center	April 10, 2003
<i>Night Call. Clinical Management Course (MED 5792)</i> Vanderbilt University Medical Center	Feb 3, 2003

*Course Instructor.* Third-Year Medical Student Suture Course 2002-2004  
Vanderbilt University Medical Center

***Trainees:***

Stephen A. Deppen, (PhD student, Epidemiology, Vanderbilt University) 2009-present  
Aaron Dawes, (Medical Student, Vanderbilt University) 2008-present  
Alykhan Nagji, M.D. (Surgery resident, University of Virginia) 2007-2008

***Extramural Activities:***

***Missions***

Montellano, Guatemala	(Surgical Clinic-Lap Chole / Hernia Repairs)	Jan 2010
Montellano, Guatemala	(Surgical Clinic-Lap Chole / Hernia Repairs)	Jan 2009
Montellano, Guatemala	(Surgical Clinic-Lap Chole / Hernia Repairs)	Jan 2007
Montellano, Guatemala	(Surgical Clinic-Lap Chole / Hernia Repairs)	Jan 2006
Montellano, Guatemala	(Surgical Clinic-Hernia Repairs)	Sept 2004
Montellano, Guatemala	(Surgical Clinic-Hernia Repairs)	Sept 2003
Antigua	(Medical Clinic)	July 1995
Mandeville, Jamaica	(Medical Clinic)	June 1994
Kiev, Ukraine	(Medical Supply Trip)	Dec 1993

***Church***

Member: Brentwood Hills Church of Christ	1993-Present
Deacon: Local Evangelism & Outreach	2003-2006
Ministry Team Leader: Local Evangelism & Outreach	2003-2004

***Interests***

Tennis, Duck Hunting, Running, Weight Lifting, Coaching Children's Soccer Teams

***Review Responsibilities:***

Annals of Thoracic Surgery – Ad Hoc Reviewer	2008 - present
Annals of Surgical Oncology – Ad Hoc Reviewer	2008 - present

**GRANT AWARDS**

***Current Research Support:***

**Vanderbilt Physician Scientist Development (VPSD) Program (\$150,000)** 2008-2010  
Vanderbilt University School of Medicine  
Title: Predicting Lung Cancer with a Serum Protein Test  
Role: PI

**Vanderbilt Lung SPORE Pilot Grant (\$30,000)** 2009-2010  
Vanderbilt University School of Medicine  
Title: Biodistribution of <sup>111</sup>In-DOTATATE observed during thoracoscopic resection of indeterminate lung nodules  
Role: PI

***Completed Research Support:***

**Research Training Grant** 2002-2004  
5K30HL04128 (Dittus)  
NIH K30 Vanderbilt University  
Role: Trainee

**CURRENT RESEARCH INTERESTS**

*Use of DOTATE to image and excise lung cancer*

Primary Investigator – Grogan, Co-PI – Ron Walker, MD

*Identifying surgical patient populations with a high likelihood of benign disease*

Primary Investigator - Grogan

*Genomic and Proteomic signatures that predict lung cancer in patients with pulmonary nodules*

Primary Investigator – Grogan, Mentors: Bill Putnam, MD, Pierre Massion, MD  
*Obesity in thoracic surgery*  
 Primary Investigator – Grogan, Mentors: Bill Putnam  
*Evaluation of solitary pulmonary nodules with VATS radiotracer surgery*  
 Mentors: Thomas Daniel, MD, David Jones, MD

**Completed Research Projects**

*Improving documentation of patient acuity level using a progress note template.*  
 Mentors: Mike Holzman, MD, MPH, Ted Speroff, PhD  
*Using continuous ICU parameters to predict outcome in a trauma population.*  
 Mentors: Ted Speroff, PhD, John Morris Jr., MD  
*Evaluation and implementation of Crew Resource Management*  
 Mentors: Ted Speroff, PhD, Drew Gaffney, MD, Wright Pinson, MD, MBA  
*Decision Analysis: Cost effectiveness of the use of marginal donors in liver transplantation.*  
 Mentors: Ted Speroff PhD, Wright Pinson, MD, MBA, (Derek Moore, MD, PI)  
*Water as a pressor in autonomic failure patients*  
 Mentors: David Robertson, MD

**INVITED LECTURES**

<i>Early Diagnosis and Treatment of Lung Cancer</i> General Surgery Grand Rounds Vanderbilt University Medical Center	Oct 16, 2009
<i>Diagnosis and Treatment of Solitary Pulmonary Nodules</i> Lung Cancer Symposium Vanderbilt University Medical Center	May 16, 2009
<i>Minimally Invasive Treatment of Early Stage Lung Cancer</i> Lung Cancer Symposium Vanderbilt University Medical Center	May 16, 2009
<i>Changing Demands on Residents (The New Work-Hour Requirements): Is Medicine Helped or Hurt?</i> Spring Ethics Grand Rounds Vanderbilt University Medical Center	April 14, 2005
<i>Residents: Students or Employees?</i> American College of Surgeons Clinical Congress RAS Symposium New Orleans, LA	Oct 10, 2004
<i>Documentation, Coding, and the Risk Adjusted Mortality Initiative</i> Vanderbilt Clinical Enterprise Group Vanderbilt University Medical Center	June 9, 2004
<i>Documenting Patient Acuity level: The General Surgery Progress Note</i> Vanderbilt Informatics Grand Rounds Vanderbilt University Medical Center	Mar 17, 2004
<i>Guatemala Surgical Missions: Can we fix one more hernia?</i> Vanderbilt International Committee, Brown Bag Series. Vanderbilt University Medical Center	Feb 17, 2004
<i>Documenting Patient Acuity level: The General Surgery Progress Note</i> Vanderbilt Surgical Grand Rounds Vanderbilt University Medical Center	Nov 21, 2003
<i>Documenting Patient Acuity level: The General Surgery Progress Note</i> Vanderbilt Clinical Enterprise Group Vanderbilt University Medical Center	Sept 24, 2003
<i>Crew Resource Management and the Trauma Patient</i> Quality Scholar Summer Institute 5 <sup>th</sup> Annual Research Forum Fairlee, VT	Aug 5, 2003

## MASTER'S THESIS

Documenting Patient Acuity level: The General Surgery Progress Note  
Master's of Public Health, Oral Defense  
Vanderbilt University Medical Center

October, 2003

## BIBLIOGRAPHY

### Original Peer Reviewed Manuscripts

1. Hennessey SA, **Grogan EL\***, Harthun, NL, Jones DR, Kozower BD, Ailawadi, G, Lau CL. Transplant Pneumonectomy in a Patient with an Acutely Thrombosed Allograft. *Annals of Thoracic Surgery* 2010;89:975-977. (\*equal author contribution)
2. **Grogan EL**, Stuckenborg GJ, Nagji, AS, Simmons W, Kozower BD, Jones DR, Daniel, TM. Radiotracer-Guided Thoracoscopic Resection (RGTR) is a Cost-effective Technique for the Evaluation of Sub-centimeter Pulmonary Nodules. *Annals of Thoracic Surgery* 2008; 86: 934-940.
3. **Grogan EL**, Jones DR, Kozower BD, Daniel TM, Identification of Small Lung Nodules- Technique of Radiotracer Guided Thoracoscopic Biopsy. *Annals of Thoracic Surgery*. 2008 85: S772-S777.
4. Murff HJ, France DJ, Blackford J, **Grogan EL**, Yu C, Speroff T, Pichert JW, Hickson GB. The Relationship of Patient Complaints and Surgical Complications. *Journal of Quality and Safety in Health Care*. 2006 Feb ;15:13-6.
5. Morris JA, Norris PR, Ozdas A, **Grogan EL**, Williams AE. Heart Rate Variability Predicts Trauma Patient Outcomes as 12 Hours: Implications for Military and Civilian Triage. *Journal of Surgical Research*. 2005; 129(1):122-8.
6. France DJ, Stiles R, Gaffney FA, Seddon MR, **Grogan EL**, Nixon B, Speroff T. Clinicians' Reactions and Attitudes to a Commercially Developed Training Program. *AORN Journal*, 2005; 82(2):614-622.
7. **Grogan EL**. Should I Lie About my Work-Hours This Week? *Journal of the American College of Surgeons*. 2005; 200(4):635-6.
8. Moore D, Speroff T, **Grogan E**, Poulouse B, Holzman MD. Cost Perspectives of Laparoscopic and Open Appendectomy *Surgical Endoscopy*, 2005; 19(3):374-8.
9. Poulouse BK, Holzman MD, Lao OB, **Grogan EL**, Goldstein RE. Laparoscopic Adrenalectomy: One Hundred Resections with Functional Long-Term Follow Up. *Surgical Endoscopy*, 2005;19(3):379-85.
10. Poulouse BK, Scholz S, Moore DE, Schmidt CR, **Grogan EL**, Lao OB, Nanney L, Davidson J, Holzman MD. Physiologic Properties of Small Intestine Submucosa. *Journal of Surgical Research*, 2005;123(2):262-267.
11. **Grogan EL**, Norris PR, Speroff T, Ozdas A, France DJ, Harris P, Jenkins JM, Stiles RA, Dittus RA, Morris JA. Volatility: A New Vital Sign Identified Using a Novel Bedside Monitoring Strategy. *Journal of Trauma, Infection, and Critical Care*, 2005; 58(1):7-14.
12. **Grogan EL**, Morris JA, Dittus RS, Moore DE, Poulouse BK, Diaz JJ, Speroff T, Cervical Spine Evaluation in Urban Trauma Centers: Lowering Institutional Costs and Complications Through Helical CT Scan, *Journal of the American College of Surgeons*, 2005; 200(2):160-5.,  
Selected for *Journal of the American College of Surgeons* CME-1 program

13. **Grogan EL**, Stiles RA, France DJ, Speroff T, Morris JA, Jr., Nixon, B, Gaffney A, Seddon R, Pinson CW. The Impact of Aviation Based Teamwork Training on the Attitudes of Health Care Professionals. *Journal of the American College of Surgeons*. 2004; 199: 843-848.  
Selected for *Journal of the American College of Surgeons* CME-1 program
14. **Grogan EL**, Morris JA, Norris PR, France, DJ, Ozdas A, Harris PA, Speroff T. Reduced Heart Rate Volatility: An Early Predictor of Death in Trauma Patients. *Annals of Surgery* 2004; 240: 547-556.
15. **Grogan EL**, Speroff T, Deppen SA, Roumie CL, Elasy T, Dittus RS, Rosenbloom ST, Holzman MD. Improving Documentation of Patient Acuity Level using a Progress Note Template. *Journal of the American College of Surgeons* 2004; 199: 468-475.
16. Roumie CL, **Grogan EL**, Falbe W, Speroff T, Dittus R, Elasy TA. A Three Part Intervention to Influence HRT. *Annals of Internal Medicine*. 2004; 141:118-225.
17. Diaz JJ, Gray BW, Dobson JM, **Grogan EL**, May AK, Miller R, Guy J, O'Neill PJ, Morris JA. Repair of Giant Abdominal Hernias: Does the type of prosthesis matter? *American Surgeon* 2004; 70(5):396-401.
18. **Grogan EL**, Nylander WA, Shaffer D. Living Related Transplantation of an Ectopic Pelvic Kidney. *Transplantation* 2004; 76(6); 953.
19. **Grogan EL**, Wheeler WG, Ross CB. Management of incidentally discovered cervical paragangliomas: Report of two cases and review of the current issues. *Journal of the Kentucky Medical Association* 1999; 97: No 12, 559-565.
20. Jordan J, Shannon JR, **Grogan E**, Biaggioni I, Robertson D. A potent pressor response elicited by drinking water. *The Lancet* 1999; 353: 723.
21. **Grogan EL**, Deppen SA, Pecot, C, Putnam, JB, Nesbit, JA, Shyr, Y, Rajanbabu, R., Lambright, ES, Ory, B, Massion, PP, Role of a serum biomarker in the management of pulmonary nodules: A case control study in patients with FDG-PET scans. *Annals of Thoracic Surgery* (submitted)

### Review Articles (non- peer reviewed)

1. **Grogan EL**, Jones DR. VATS / Robotic is better than open approaches in thoracic surgery: What is the evidence for short term outcomes. *Thoracic Surgery Clinics* 2008;18:249-258.

### Book Chapters

1. **Grogan EL**, Holzman MD. Gallstone Ileus. *Unbound Surgery*, TN Papas, GP Purcell, (eds). Unbound Medicine 2004, available at [www.unboundsurgery.com](http://www.unboundsurgery.com).

### Abstracts

1. **Grogan EL**, Moore DE, Diaz JJ, Dittus RA, Morris JA. Cervical Plain Films Should be Eliminated in the High Risk Patient: Results From Decision Analysis Using an Institutional Perspective. *J Am Coll Surg* 2004: 199:3 (suppl) S77.
2. Moore DE, Poulouse BK, **Grogan EL**, Speroff T, Feurer I, Gorden DL, Wright JK, Chari R, Pinson CW. Use of donors over 60 years old in liver transplantation: A decision and cost-effectiveness analysis *J Am Coll Surg* 2004: 199:3 (suppl) S69.

3. **Grogan EL**; Norris PR.; Morris JA, Jr. Dense Data Capture Suggests a Mean Arterial Pressure of 70 is an Inadequate Resuscitation Endpoint. *Critical Care Medicine* 2003; 31 No 12 (suppl) A63.
4. Roumie CL, **Grogan EL**, Falbe W, Speroff T, Dittus R, Elasy TA. A Paradigm for Responding to New Knowledge: The case of HRT. *JGIM* April 2003; Vol 18, (suppl) 1:136.
5. Poulouse B, **Grogan E**, Khatan, L, Melvin W, Richards W, Holzman M. Laparoscopic Management of Pancreatic Pseudocyst. *Surgical Endoscopy* 2003; 17(suppl) S279.
6. Shannon JR, Jordan J, **Grogan E**, Farley M, Pohar B, Black B, Dickinson S. The pressor response to water drinking in humans: A sympathetic reflex?. *Circulation* 1998; 98 No 17, I-472.
7. Jordan J, Shannon JR, **Grogan E**, Farley MG, Biaggioni I, Black BK, Robertson RM, Robertson D. The acute pressor effect of drinking water. *Journal of Hypertension* 1998; 16 (suppl 2): S32.
8. Jordan J, Shannon JR, **Grogan E**, Farley G, Biaggioni I, Robertson D, Davis TL. The use of oral water in the treatment of autonomic failure. *Movement Disorders* 1998; 13(suppl 2): 177.
9. Jordan J, Shannon JR, **Grogan E**, Biaggioni I, Black BK, Robertson RM, Robertson D. Pressor Effects of Oral Water in Primary Autonomic Failure. *Circulation* 1997; 96: I-740-I-741.
10. **Grogan E**, Shattuck R, Matrisian P, Richmond A. Plasmid Multiple Cloning Site Sequence Verification. *Journal of the Tennessee Academy of Science* 1995; 69: 87.
11. Isbell J, Deppen S, Massion, PP, Deming S, McPheeters M, Dawes, A, Lambright ES, Nesbitt J, Putnam JB, **Grogan EL**, Separating the wheat from the chaff: Is it time for a model that predicts benign disease in patients with pulmonary nodules?, Society of Thoracic Surgery (accepted for oral presentation)

## RESEARCH PRESENTATIONS

### Peer Reviewed Oral Presentations:

1. Isbell J, Deppen S, Massion, PP, Deming S, McPheeters M, Dawes, A, Lambright ES, Nesbitt J, Putnam JB, **Grogan EL**, Separating the wheat from the chaff: Is it time for a model that predicts benign disease in patients with pulmonary nodules?, Society of Thoracic Surgeons, Ft Lauderdale, Fla, January 2010.
2. **Grogan EL**, Deppen SA, Pecot, C, Shyr, Y, Rajanbabu, R, Putnam, JB, Lambright, ES, Nesbit, JA, Massion, PP, Role of a serum proteomic signature in the management of pulmonary nodules. Southern Thoracic Surgical Association, Marco Island, FL, November, 5, 2009.
3. Hennessey SA, **Grogan EL**, Harthun NL, Jones DR, Kozower BD, Lau CL. Symptomatic pulmonary emboli in lung transplant recipients. International Society for Heart and Lung Transplantation. Paris, France, April 2009.
4. **Grogan EL**, Stuckenberg GJ, Nagji, AS, Simmons W, Kozower BD, Jones DR, Daniel, TM. Radiotracer-Guided Thoracoscopic Resection is a Cost-effective Technique for the Evaluation of Sub-centimeter Pulmonary Nodules. Society of Thoracic Surgeons, Ft. Lauderdale, FL, January 28, 2008
5. **Grogan EL**, Moore DE, Speroff T, Diaz JJ, Dittus RA, Morris JA. Cervical Plain Films Should be Eliminated in the High Risk Patient: Results From Decision Analysis Using an Institutional Perspective. American College of Surgeons Clinical Congress, New Orleans, LA October 10-14, 2004



6. Morris JA, Norris PR, France, DJ, **Grogan EL**, Ozdas A, Harris PA, Speroff T. Reduced Heart Rate Volatility: An Early Predictor of Death in Trauma Patients. American Surgical Association 124<sup>th</sup> Annual Symposium, San Francisco, CA April 17, 2004.
7. **Grogan EL**, Norris PR, Speroff T, Ozdas A, France DJ, Harris P, Jenkins JM, Stiles RA, Dittus RA, Morris JA. Volatility: A New Vital Sign Identified Utilizing A Novel Bedside Monitoring Strategy. Eastern Association for the Surgery of Trauma, Scientific Assembly, Amelia Island, FL, Jan 15, 2004.
8. **Grogan EL**, Holzman MD. Documenting Patient Acuity Level: The General Surgery Progress Note. Nashville Surgical Society, Nashville, TN, Jan 6, 2004.
9. **Grogan EL**, Robertson D. Pressor Effects of Oral Water in Primary Autonomic Failure. The VIII International Symposium on the Autonomic Nervous System, Honolulu, Hawaii, Nov. 2-4, 1997.

### Poster Presentations:

1. Deppen SA, Andrade GM, Lambright ES, Nesbitt JC, Massion PP, Putnam JB, **Grogan EL**. FDG-PET does not accurately diagnose early stage lung cancer in an area of endemic histoplasmosis and other granulomatous disease. Cancer Epidemiology, Biostatistics and Bioinformatics Retreat - Vanderbilt Ingram Cancer Center, Nashville, TN December 4, 2009.
2. **Grogan EL**, France DJ, Nixon B, Speroff T, Gaffney FA, Seddon MR, Stiles R, Pinson CW. Evaluation of Crew Resource Management as a Tool to Improve Patient Safety. American College of Surgeons Clinical Congress, New Orleans, LA, Oct 10-14, 2004.
3. Speroff T, Gaffney FA, **Grogan EL**, Higgins M, Seddon R, France DJ, Nixon WR. Crew Resource Management: From Aviation to Healthcare, 9th European Forum on Quality Improvement in Health Care, Copenhagen, Denmark, May 12-14, 2004.
4. **Grogan EL**, Norris PR, France, DJ, Ozdas A, Harris PA, Speroff T, Morris JA. Reduced Five Minute Heart Rate Volatility: An Early Predictor of Death in Trauma Patients. Vanderbilt University Medical Center 22<sup>nd</sup> Annual Research Forum, Nashville, TN, May 5, 2004.
5. Moore DE, **Grogan EL**, Speroff T, Holzman MD. Cost Perspectives of Laparoscopic and Open Appendectomy. Society of Gastrointestinal and Endoscopic Surgeons, Denver, CO, March 31-April 3, 2004.
6. **Grogan EL**, Norris PR, Morris JA. Dense Data Capture Suggests a Mean Arterial Pressure of 70 is an Inadequate Resuscitation Endpoint. Society for Critical Care Medicine, Orlando, FL, Feb 21, 2004.
7. **Grogan EL**, Deppen SA, Roumie C, Elasy T, Dittus R, Holzman, Speroff T. Documenting Patient Acuity Level using a Templated Progress Note. Institute for Healthcare Improvement, New Orleans, LA, Dec 5, 2003.
8. Roumie CL, **Grogan EL**, Falbe W, Speroff T, Dittus R, Elasy TA. A Paradigm for Responding to New Knowledge: The case of HRT. Society of General Internal Medicine 26<sup>th</sup> Annual Meeting, May 1-3, 2003.
9. **Grogan EL**, Norris PR, Speroff, T, Morris JA. Volatility: A New Vital Sign Identified Utilizing a Novel Bedside Monitoring Strategy. Vanderbilt University Medical Center 21<sup>st</sup> Annual Research Forum, Nashville, TN April 23, 2003.

10. Roumie CL, **Grogan EL**, Falbe W, Speroff T, Dittus R, Elasy TA. A Paradigm for Responding to New Knowledge: The Case of Hormone Replacement Therapy. Vanderbilt University Medical Center 21<sup>st</sup> Annual Research Forum, Nashville, TN April 23, 2003.
11. Poulouse B, Schmidt C, Moore D, **Grogan E**, Davidson J, Nanney L, Holzman M. Histologic and Tensile Characteristics of Perforated versus Non-Perforated Small Intestine Submucosa Used as a Bioprosthesis. Vanderbilt University Medical Center 21<sup>st</sup> Annual Research Forum, Nashville, TN April 23, 2003.