

***CURRICULUM VITAE***  
**Robert A. Meguid, MD MPH FACS**

**Business Address**

Section of Thoracic Surgery  
Division of Cardiothoracic Surgery  
Department of Surgery  
University of Colorado  
School of Medicine  
12631 East 17th Avenue  
C310, Room 6612

**Office Phone:** (303)724-7428

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***Medical Licensure & Certification***

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- The American Board of Thoracic Surgery Certified #8055
- The American Board of Surgery Certified #055949
- National Provider Identifier # 1457404279
- Colorado State Physician License # 51423
- U.S. Department of Justice Drug Enforcement Agency (DEA) License active
- American College of Surgeons Advanced Trauma Life Support certification
- Advanced Trauma Operative Management certification
- Advanced Cardiac Life Support/ Healthcare Provider Basic Life Support certification
- Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) Fundamentals of Laparoscopic Surgery (FLS) certification

***Clinical and Research Interests***

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General Thoracic Surgery, Thoracic Oncology, Lung Transplantation, Airway Surgery, Improving Surgical Patient Outcomes, Nutrition and Metabolism

***Faculty Positions***

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2017 – Present	<b>Associate Professor of Surgery</b> Section of Thoracic Surgery Division of Cardiothoracic Surgery Department of Surgery University of Colorado, School of Medicine Aurora, CO
2012 – 2017	<b>Assistant Professor of Surgery</b> Section of Thoracic Surgery Division of Cardiothoracic Surgery Department of Surgery University of Colorado, School of Medicine Aurora, CO

***Clinical Appointments***

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2012 – Present      Cardiothoracic Surgeon, University of Colorado Hospital, Aurora, CO

2012 – Present      Cardiothoracic Surgeon, Veterans Administration Hospital, Denver, CO

2015 – Present      Thoracic Surgeon, Saint Joseph Hospital/ National Jewish Health

### ***Education & Training***

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- 2010-2012      **Resident in Cardiothoracic Surgery**  
The University of Washington, School of Medicine  
Seattle, WA
- 2009-2010      **Chief Resident in General Surgery**  
Halsted General Surgery Residency  
Johns Hopkins University, School of Medicine  
Baltimore, MD
- 2008-2009      **Categorical Residency in General Surgery (PGY 4)**  
Halsted General Surgery Residency  
Johns Hopkins University, School of Medicine  
Baltimore, MD
- 2007-2008      **Master of Public Health**  
Johns Hopkins Bloomberg School of Public Health  
Baltimore, MD  
Concentration: Epidemiologic & Biostatistical Methods for Public Health &  
Clinical Research
- 2005-2008      **Post-Doctoral Research Fellowship**  
Johns Hopkins University, School of Medicine  
Division of Thoracic Surgery, Baltimore, MD  
Primary Research Mentor: Malcolm V. Brock, M.D.
- 2005      **Research Fellowship**  
Molecular Biology Summer Workshop  
Smith College, Northampton, MA  
Summer, 2005
- 2002-2005      **Categorical Residency in General Surgery (PGY 1-3)**  
Halsted General Surgery Internship & Residency  
Johns Hopkins University, School of Medicine  
Baltimore, MD
- 1998-2002      **Doctor of Medicine**  
Brown University, School of Medicine  
Providence, RI
- 1997-1998      **Research Assistant**  
Surgical Oncology Research Laboratory  
Division of Surgical Oncology, Department of Surgery  
The Massachusetts General Hospital, Harvard Medical School  
Boston, MA  
Primary Research Mentor: W.W. Souba, M.D., M.Sc., M.B.A.
- 1996-1997      **Research Fellow**

Center for Surgical Research  
Department of Surgery, Rhode Island Hospital  
Brown University School of Medicine  
Providence, RI  
Primary Research Mentor: I.H. Chaudry, Ph.D.

1993-1997

**Bachelor of Science**  
Brown University, Providence, RI  
Major: Biochemistry (honors)

1995

**Research Assistant**  
Surgical Oncology Research Laboratory  
Division of Surgical Oncology, Department of Surgery  
The Massachusetts General Hospital, Harvard Medical School  
Boston, MA  
Primary Research Mentor: W.W. Souba, M.D., M.Sc., M.B.A.  
Summer, 1995

1994

**Research Assistant**  
Surgical Oncology Research Laboratory  
Division of Surgical Oncology, Department of Surgery  
The Massachusetts General Hospital, Harvard Medical School  
Boston, MA  
Primary Research Mentor: W.W. Souba, M.D., M.Sc., M.B.A.  
Summer, 1994

1992

**Research Assistant**  
Surgical Nutrition and Metabolism Laboratory  
Department of Surgery, University Hospital  
SUNY Health Science Center, Syracuse, NY  
Primary Research Mentor: M.M. Meguid, M.D., Ph.D.  
Summer, 1992

1991

**Research Assistant**  
Surgical Nutrition and Metabolism Laboratory  
Department of Surgery, University Hospital  
SUNY Health Science Center, Syracuse, NY  
Primary Research Mentor: M.M. Meguid, M.D., Ph.D.  
Summer, 1991

1990

**Research Assistant**  
Surgical Nutrition and Metabolism Laboratory  
Department of Surgery, University Hospital  
SUNY Health Science Center, Syracuse, NY  
Primary Research Mentor: M.M. Meguid, M.D., Ph.D.  
Summer, 1990

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***Academic Honors, Awards, & Accomplishments***

2016

Ben Eiseman Surgical Faculty Teaching Excellence Award, University of  
Colorado School of Medicine, Aurora, CO  
Presented by the Medical Student Surgical Society

- 2016 Clinical Excellence and Patient Safety Award, Medical Staff Awards, University of Colorado School of Medicine, Aurora, CO
- 2014 Fellow of the American College of Surgeons
- 2014 Certified, the American Board of Thoracic Surgery
- 2013 Nomination, the Golden Stethoscope Preceptor & Teaching Award University of Colorado School of Medicine, Aurora, CO
- 2011 Certified, the American Board of Surgery
- 2008 Recipient, Research Award for Best Poster, Eastern Vascular Society: *Does Teaching Hospital Status Impact Survival from Ruptured Abdominal Aortic Aneurysm Repair?*
- 2008 Western Thoracic Surgery Association Sampson Award Finalist
- 2007 Recipient, G. Melville Williams Hero Award for outstanding service to Department of Surgery  
Department of Surgery, JHU SOM, Baltimore, MD
- 2007 Recipient, Thoracic Surgery Directors Association Resident Research Award: *Are Surgical Outcomes for Lung Cancer Resections Improved at Teaching Hospitals?*
- 2007 Recipient, J. Maxwell Chamberlain Memorial Award for Paper in General Thoracic Surgery, 43<sup>rd</sup> annual meeting of the Society of Thoracic Surgeons. San Diego, CA: *Are Surgical Outcomes for Lung Cancer Resections Improved at Teaching Hospitals?*
- 2007 Western Thoracic Surgery Association Sampson Award Finalist
- 2005 – 2008 NIH Loan Repayment Program in Clinical Research Awardee
- 2005 – 2008 Recipient, Ruth L. Kirschstein National Research Service Award NIH Health and Human Services Training Grant
- 1997 Recipient, Travel Award, International Union of the Physiological Sciences, IUPS XXXIII Annual Congress, St. Petersburg, Russia
- 1997 Honors, Thesis in Biochemistry ScB: *Alterations in Endothelin and Nitric Oxide During Hyperdynamic and Hypodynamic Stages of Polymicrobial Sepsis in the Rat.*  
Thesis advisor: I.H. Chaudry, Ph.D.  
Brown University, Providence, Rhode Island

### ***Leadership Roles***

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- 2014 – Present Director  
Adult Chest Wall Disorder Multidisciplinary Clinic  
Department of Surgery, University of Colorado, Aurora, CO
- 2013 – Present Surgical Director  
Surgical Outcomes and Applied Research program (SOAR)

	Department of Surgery, University of Colorado, Aurora, CO
2012 – Present	American College of Surgeons National Surgery Quality Improvement Program (NSQIP) institutional Surgeon Champion Department of Surgery, University of Colorado Hospital, Aurora, CO
2011–2012	Chief Resident in Cardiothoracic Surgery The University of Washington, School of Medicine Seattle, WA
2011–2012	Vice-Chair Education Committee Thoracic Surgery Residents Association
2009–2010	Chief Resident in General Surgery The Johns Hopkins Hospital Baltimore, MD
2006–2008	Surgical Residency Representative Computerized Physician Order Entry Development Committee The Johns Hopkins Hospital Baltimore, MD
1999–2002	Class Representative, Medical Student Senate Brown University School of Medicine Providence, RI
1998–2002	Surgery Interest Group Brown University School of Medicine, Providence, RI President: 1999-2000 Senior Advisor 2000-2002
1994–1997	Program in Liberal Medical Education Undergraduate Senate, Brown University, Providence, RI Chair, Social Activities Committee, 1995-1996 Medical Student Senate Undergraduate Liaison, 1996-1997
1993–1994	Undergraduate Student Representative MD2000 Educational Blueprint Advisory Committee Brown University, School of Medicine, Providence, RI
1992–1993	Junior Assistant Scout Master Troop 515, Boy Scouts of America Oran, NY

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***Professional Memberships***

- American College of Surgeons, Fellow
- Association for Academic Surgery, Member
- Denver Academy of Surgery, Member
- General Thoracic Surgical Club, Associate Member
- Old Hands Club, Member
- Society of Thoracic Surgeons, Active Member

- Surgical Outcomes and Applied Research Program, University of Colorado, Member
- Surgical Outcomes Club, Member
- The Johns Hopkins Medical and Surgical Association, Member
- The Society of Surgical Oncology, Member, 2005-2015
- Thoracic Outcomes Research Network (ThORN), Founding Member, 2015-Present
- University of Colorado Cancer Center, Associate Member
- Western Thoracic Surgical Association, Active Member

### ***Grants and Funding Support***

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- 2017-Present      **Department of Surgery Academic Enrichment Fund**  
Scaling Of SURPAS for Dissemination & Implementation  
08/01/17-07/31/19  
Robert A. Meguid, M.D. M.P.H.: Principal Investigator
- 2017-Present      **Data Science to Patient Value (D2V) Pilot Study**  
**Preventing Surgical Infections**  
Kathryn Colborn, Principal Investigator  
Robert A. Meguid, M.D. M.P.H.: Co-Investigator
- 2016-Present      **Department of Surgery Academic Enrichment Fund**  
Preventing Surgical Infectious Complications: Analyses and Formative  
Evaluations in Support of a Planned PCORI Submission  
08/01/16-07/31/18  
Robert A. Meguid, M.D. M.P.H.: Principal Investigator
- 2015-2017      **Surgical Risk Preoperative Assessment System (SURPAS)**  
**1R21HS024124-02**  
Agency for Healthcare Research and Quality (AHRQ)  
Exploratory and Developmental Grant to Improve Health Care Quality  
through Health Information Technology: Surgical Risk Preoperative  
Assessment System (SURPAS)  
09/01/15-08/31/17  
Robert A. Meguid, M.D. M.P.H.: Principal Investigator
- 2015-2017      **Department of Surgery Academic Enrichment Fund**  
Developing Methods for Preoperative Capture of ASA Class and Functional  
Health Status for Implementation in the SURgical Risk Preoperative  
Assessment System (SURPAS)  
08/01/15-07/31/17  
Robert A. Meguid, M.D. M.P.H.: Principal Investigator
- 2015-2017      **Department of Surgery Academic Enrichment Fund**  
Preparedness of the American-Trained Surgeon in a Global Health Setting  
08/01/15-07/31/17  
Robert A. Meguid, M.D. M.P.H.: Co-Principal Investigator
- 2015-2017      **School of Medicine and University of Colorado Hospital Clinical**  
**Effectiveness and Patient Safety Grant**  
Development and Implementation of a Protocol to Reduce Postoperative  
Pulmonary Complications  
08/01/15-07/31/17  
Robert A. Meguid, M.D. M.P.H.: Co-Investigator

- 2013-Present      **NIH SPORE Grant, COMIRB # 04-0688**  
National Cancer Institute/ National Institutes of Health  
SPORE in Lung Cancer Tissue Bank Protocol  
NCI/NIH P50 CA058187  
Analysis of genetic alterations at multiple loci in pre-invasive bronchial lesions: Application to early detection of lung cancer  
05/01/04 – Present  
Adriaan Van Bokhoven, Ph.D., Principal Investigator  
Robert A. Meguid, M.D. M.P.H.: Co-Investigator
- 2012-Present      **Normothermic Ex Vivo Lung Perfusion (EVLP) as Assessment of Extended/Marginal Donor Lungs for Transplant**  
Michael J. Weyant, M.D., Principal Investigator  
Robert A. Meguid, M.D. M.P.H.: Co-Investigator
- Completed Support:**
- 2014-2016      **Neuromuscular Blockade and Perioperative Outcomes  
APSF AWD-134024**  
Anesthesia Patient Safety Foundation  
07/01/14-06/30/16  
Karl Hammermeister, M.D., Principal Investigator  
Robert A. Meguid, M.D. M.P.H.: Co-Investigator 3% FTE
- 2014-2016      **Department of Surgery Academic Enrichment Fund**  
Testing of Local Electronic Health Record Data for use in Preoperative Surgical Risk Assessment  
07/09/14-06/30/16  
Robert A. Meguid, M.D. M.P.H.: Principal Investigator
- 2013-2015      **Intra-Operative Predictors of Adverse Outcomes, COMIRB #06-0798**  
Terri Monk, M.D., Principal Investigator  
Robert A. Meguid, M.D. M.P.H.: Co-Investigator
- 2013-2015      **Department of Surgery Academic Enrichment Fund**  
Development of a Parsimonious Generalized Surgical Risk Calculator to Aid in Patient Education and Postoperative Management  
07/10/13-06/30/15  
Robert A. Meguid, M.D. M.P.H.: Principal Investigator
- 2012-2015      **Department of Surgery Start-Up Funds**  
Research program development  
07/01/12-06/30/15  
Robert A. Meguid, M.D. M.P.H.: Principal Investigator
- 2007-2008      **NIH Loan Repayment Program grant recipient**  
(competitive 3<sup>rd</sup> year renewal)
- 2006-2008      **National Cancer Institute**  
K23CA117820  
Title: Screening for Lung Cancer in the HIV Patient  
Robert A. Meguid, M.D. M.P.H.: Co-Investigator

Principal Investigator: Malcolm V. Brock, M.D.

- 2005-2007      **National Cancer Institute**  
L30 CA117051 NIH Loan Repayment Program grant  
Identification of ptf1a-p48 Target Genes Involved in Pancreatic  
Development  
Robert A. Meguid, M.D. M.P.H.: Co-Principal Investigator  
Principal Investigator: Steven Leach, M.D.
- 2005-2008      **NIH Ruth L. Kirschstein National Research Service Award**  
**Health and Human Services T32 training grant**  
Grant Number - 5T32DK007713  
Title: Basic Scientific Training for Gastrointestinal Surgeons  
Principal Investigator: Steven Leach M.D. and Malcolm V. Brock, M.D.  
Project Titles:  
*Pancreatic cancer development*  
*Surgical outcomes in esophageal cancer*  
Competitive grant providing salary support during post-doctoral research  
fellowship at the Johns Hopkins Hospital
- 1997            **International Union of the Physiological Sciences Travel Award**  
**recipient**  
IUPS XXXIII Annual Congress, St. Petersburg, Russia  
Funding to travel to meeting and present: *Temporal Changes in Endothelin and*  
*NO During Sepsis in the Rat*

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### ***Committee Membership***

#### ***National:***

- 2016 – Present      **Thoracic Outcomes Research Network (ThORN)**  
2016 – Present: Secretary
- 2014 – Present      **Society of Thoracic Surgeons**  
Workforce on Patient Safety
- 2013 – Present      **Society of Thoracic Surgeons**  
General Thoracic Database Task Force, STS National Database
- 2012 – Present      **Joint Council of Thoracic Surgical Education**  
Thoracic Surgery Curriculum  
Editor: Benign Lung Conditions
- 2011 – 2014        **American Board of Thoracic Surgery SESATS Question Review Bank**  
Question editor for SESATS XI

#### ***Local:***

- 2015 – Present      **Surgical Site Infection Workgroup**  
Department of Surgery Representative  
University of Colorado Hospital, Aurora, CO



- 2015 – Present      **Vascular Surgery Chief Search Committee**  
Member  
School of Medicine, University of Colorado, Aurora, CO
- 2014 – Present      **Quality and Values Council**  
Department of Surgery Representative  
University of Colorado Hospital, Aurora, CO
- 2014 – 2015        **Integrated Adult Quality Committee** (combined with Quality and Values  
Council in 2014)  
Department of Surgery Representative  
School of Medicine, University of Colorado, Aurora, CO
- 2014 – Present      **Department of Surgery Quality Council**  
Department of Surgery, University of Colorado, Aurora, CO
- 2014 – Present      **Esophageal Comprehensive Unit-based Safety Program (CUSP)**  
University of Colorado Hospital, Aurora, CO
- 2014 – Present      **Surgical Urinary Tract Infection CUSP**  
University of Colorado Hospital, Aurora, CO
- 2013 – Present:     **Department of Surgery Annual Research Symposium Program  
Committee**  
Director  
Department of Surgery, University of Colorado, Aurora, CO
- 2013 – Present:     **University of Colorado American College of Surgeons National Surgery  
Quality Improvement Program (NSQIP) Steering Committee**  
Department of Surgery, University of Colorado, Aurora, CO
- 2013 – Present:     **Surgical Outcomes and Applied Research Steering Committee**  
Department of Surgery, University of Colorado, Aurora, CO
- 2013 – Present      **University of Colorado School of Medicine Accreditation Council for  
Graduate Medical Education (ACGME)**  
Thoracic Surgery Residency curriculum committee  
Department of Surgery, University of Colorado, Aurora, CO
- 2013 – Present      **Clinical Competency Committee**  
Department of Surgery, University of Colorado, Aurora, CO
- 2013 – Present      **Vail Heart & Lung Transplant Conference planning committee**  
University of Colorado School of Medicine, Aurora, CO

**EDITORIAL ACTIVITIES:**

***Editorial Board Activity***

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- 2006 – Present      Co-Editor-in-Chief, The Johns Hopkins A.B.S.I.T.E. Review Manual
- 2006-2008          Associate Editor, Member of Editorial Review Board, General Surgery  
Review, second edition, Editor in Chief: M.A. Makary

### **Peer Review Activity**

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Active:

- Annals of Surgery
- Annals of Surgical Oncology
- Annals of Thoracic Surgery
- Archives of Surgery
- JAMA Surgery
- Journal of Surgical Research
- Journal of Thoracic and Cardiovascular Surgery
- Journal of the American College of Surgeons
- Seminars in Cardiothoracic and Vascular Anesthesia
- Surgery

Inactive:

- Colorectal Disease
- Molecular and Cellular Endocrinology
- Pancreas

### **Publications**

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#### **Peer Reviewed Journal Articles:**

1. Meguid, M.M., Yang, Z.J., Ratto, C., **Meguid, R.A.**, Hitch, D.C., Kubota, A., and Campos, A.C.L.: Dynamics of oral intake resumption after general anesthesia and operation in rats. *Physiology and Behavior* (Sep) 52:597-601, 1992. PMID 1409926
2. Paston, M.J., **Meguid, R.A.**, Muscaritoli, M., Forbes, B., Yang, Z.J., and Meguid, M.M.: Dynamics of central venous catheter-related sepsis in rats. *The Journal of Clinical Microbiology* (Jun) 31:1652-1655, 1993. PMID 8315012
3. Meguid, M.M., Beverly, J.L., Yang, Z.J., Gleason, J.R., **Meguid, R.A.**, and Yue, M.X.: Parenteral nutrition, brain glycogen, and food intake. *The American Journal of Physiology* (Dec) 265:R1387-R1391, 1993. PMID 8285281
4. **Meguid, R.A.**, Beverly, J.L., and Meguid, M.M.: Surfeit calories during parenteral nutrition influences food intake and carcass adiposity in rats. *Physiology and Behavior* (Feb) 57:265-269, 1995. PMID 7716202
5. Elgadi, K.M., **Meguid, R.A.**, Qian, M., Souba, W.W., and Abcouwer, S.F.: Cloning and analysis of unique glutaminase isoforms generated by tissue-specific alternative splicing. *Physiologic Genomics (American Physiologic Society)* (Aug) 1:51-62, 1999. PMID 11015561
6. Abcouwer, S.F., Schwarz, C., and **Meguid, R.A.**: Glutamine deprivation induces the expression of GADD45 and GADD153 primarily by mRNA stabilization. *The Journal of Biological Chemistry* (Oct) 274:28645-28651, 1999. PMID 10497233
7. **Meguid, R.A.**, Brooke, B.S., Chang, D.C., Sherwood, J.T., Brock, M.V., and Yang, S.C.: Are Surgical Outcomes for Lung Cancer Resections Improved at Teaching Hospitals? *The Annals of Thoracic Surgery* (Mar) 85:1015-1025, 2008. PMID 18291190  
J Maxwell Chamberlain Memorial Paper for thoracic surgery. 43<sup>rd</sup> annual meeting of the Society of Thoracic Surgeons.

Chosen as the “Continuing medical education article of the month”

8. **Meguid, R.A.**, Ahuja, N., and Chang, D.C.: What Constitutes a “High Volume” Hospital for Pancreatic Resection? *The Journal of the American College of Surgeons* (Apr) 206(4):622.e1-9, 2008. PMID 18387466
9. **Meguid, R.A.**, Slidell, M.B., Wolfgang, C.L., Chang, D.C., and Ahuja, N.: Is there a Difference in Survival Between Right- versus Left-Sided Colon Cancers? *The Annals of Surgical Oncology* (Sept) 15(9):2388-94, 2008. PMID 18622647  
Abstracted in *Nature Clinical Practice Oncology* (Jan) 6(1):5, 2009.
10. Weiss, E.S., **Meguid, R.A.**, Patel, N.D., Russell, S.D., Shah, A.S., Baumgartner, W.A., and Conte, J.V.: Increased Mortality at Low-Volume Orthotopic Heart Transplantation Centers: Should Current Standards Change? *The Annals of Thoracic Surgery* (Oct) 86(4):1250-9, 2008. PMID 18805171
11. Habbe, N.\*, Shi, G.\*, **Meguid, R.A.**, Fendrich, V., Esni, F., Chen, H., Feldmann, G., Stoffers, D.A., Konieczny, S.F., Leach, S.D., and Maitra, A.: Spontaneous induction of murine pancreatic intraepithelial neoplasia (mPanIN) by acinar cell targeting of oncogenic Kras in adult mice. *Proceedings of the National Academy of Sciences of the United States of America* (Dec) 105(48):18913-8, 2008. PMID 19028870  
\* indicates co-first authors.
12. **Meguid, R.A.**, Weiss, E.S., Chang, D.C., Brock, M.V., and Yang, S.C.: The Effect of Volume on Esophageal Cancer Resections: What Constitutes Acceptable Resection Volumes for Centers of Excellence? *The Journal of Thoracic and Cardiovascular Surgery* (Jan) 137(1):23-9, 2009. PMID 19154895
13. **Meguid, R.A.**, Brooke, B.S., Perler, B.A., and Freischlag, J.A.: Impact of Hospital Teaching Status on Survival from Ruptured Abdominal Aortic Aneurysm Repair: Are All Hospitals the Same? *The Journal of Vascular Surgery* (Aug) 50 (2):243-50, 2009. PMID 19446987
14. Weiss, E.S., Allen, J.G., **Meguid, R.A.**, Patel, N.D., Merlo, C.A., Orens, J.B., Baumgartner, W.A., Conte, J.V., and Shah, A.S.: The impact of Center Volume on Survival in Lung Transplantation: An Analysis of Over 10,000 Cases. *The Annals of Thoracic Surgery* (Oct) 88(4):1062-70, 2009. PMID 19766782  
Chosen as the “Continuing medical education article of the month”
15. **Meguid, R.A.\***, Hooker, C.M.\*, Taylor, J.T., Kleinberg, L.T., Cattaneo, S.M., Sussman, M.S., Yang, S.C., Heitmiller, R.F., Forastiere, A.A., and Brock, M.V.: Recurrence after Neoadjuvant Chemoradiation and Surgery for Esophageal Cancer: Does the Pattern of Recurrence Differ for Patients with Complete Response and Those with Partial or No Response? *The Journal of Thoracic and Cardiovascular Surgery* (Dec) 138 (6):1309-17, 2009. PMID 19931663  
\* indicates co-first authors.
16. Brooke, B.S., **Meguid, R.A.**, Makary, M.A., Perler, B.A., Pronovost, P.J., and Pawlik, T.M.: Improving Surgical Outcomes through Adoption of Evidence-Based Process Measures: Intervention Specific or Associated with Overall Hospital Quality? *Surgery* (Apr) 147 (4):481-90, 2009. PMID 20004443
17. **Meguid, R.A.\***, Hooker, C.M.\*, Harris, J., Xu, L., Westra, W., Sherwood, T.J., Sussman, M., Cattaneo, S.M. 2nd, Shin, J., Cox, S., Christensen, J., Prints, Y., Yuan, N., Zang, J., Yang, S.C., and Brock, M.V.: Long-term Survival Outcomes By Smoking Status in Surgical and Non-

- surgical Patients with Non-Small Cell Lung Cancer: Comparing Never and Current Smokers. *CHEST* (Sept) 138 (3): 500-509, 2010. PMID 20507946  
\* indicates co-first authors.
18. Malas, M.B., Choo, S., Qazi, U., Glebova, N., **Meguid, R.A.**, Reifsnyder, T., Perler, B.A., and Freischlag, J.A.: Image of the Month: Aortoduodenal fistula. Quiz Case. *Archives of Surgery*, (Sept) 146(9):1101, 2011. PMID 21931008
  19. Hooker, C.M.\*, **Meguid, R.A.\***, Hulbert, A., Taylor, J.T., Shin, J., Wrangle, J., Rodgers, K., Lee, B., Laskshmanan, S., Brown, T., Meneshian, A., Sussman, M., Keruly, J., Moore, R.D., Yang, S.C., Brock, M.V.: Human Immunodeficiency Virus Infection as a Prognostic Factor in Surgical Patients with Non-Small Cell Lung Cancer. *The Annals of Thoracic Surgery*, (Feb) 93(2):405-12, 2012. PMID 22269705  
\* indicates co-first authors.
  20. Jelacic, S., **Meguid, R.A.**, Oxorn, D.C.: Echo Rounds: Near total occlusion of the main pulmonary artery and destruction of pulmonary valve by leiomyosarcoma. *Anesthesia and Analgesia*, (Jan) 116(1):53, 2013. PMID 23223120
  21. Moore, H.B., Juarez-Colunga, E., Bronsert, M., Hammermeister, K.E., Henderson, W.G., Moore, E.E., **Meguid, R.A.**: Are Pregnant Patients Undergoing General Surgery Subject to Increased Morbidity and Mortality? *JAMA Surgery*, (July) 150(7):637-643, 2015. <http://dx.doi.org/10.1001/jamasurg.2015.91>. PMID 25969946
  22. Bennett, D.T., Zamora, M., Reece, T.B., Mitchell, J.D., Cleveland, J.C., Grover, F.L., Babu, A.N., **Meguid, R.A.**, Fullerton, D.A., Weyant, M.J.: Should Single Lung Transplantation Still Be Performed for Chronic Obstructive Pulmonary Disease? *Annals of Thoracic Surgery*, (Aug) 100(2):437-442, 2015. <http://dx.doi.org/10.1016/j.athoracsur.2015.03.024>. PMID 26141775
  23. Monk, T.G., Bronsert, M.R., Henderson, W.G., Mangione, M.P., Sum-Ping, S.T.J.T., Benth, D.R., Nguyen, J.D., Richman, J.S., **Meguid, R.A.**, Hammermeister, K.E.: Association between Intraoperative Hypotension and Hypertension and 30-day Postoperative Mortality in Noncardiac Surgery. *Anesthesiology*, (Aug) 123(2):307-319, 2015. PMID 26083768
  24. Sriram, K., **Meguid, R.A.**, Meguid, M.M.: Nutritional Support in Adults with Chyle Leaks. *Nutrition*, (Feb) 32(2):281-6, 2016. PMID 26472113
  25. Bell, M.T., Kelmenson, D.A., Vargas, D., **Meguid, R.A.**: Image of the Month: Spontaneous Pulmonary Torsion Secondary to Left Upper Lobe Malignancy. *Journal of Thoracic Oncology*, (Nov) 10(11):1653-1654, 2015. PMID 26536197
  26. Hammermeister, K.E., Henderson, W.G., Bronsert, M.R., Juarez-Colunga, E., and **Meguid, R.A.**: Surgical Perspectives: Bringing Quantitative Risk Assessment Closer to the Patient and Surgeon: A Novel Approach to Improve Outcomes. *the Annals of Surgery*, June; 263(6):1039-41, 2016. PMID 27167560
  27. **Meguid, R.A.\***, Bronsert, M.R.\*, Juarez-Colunga, E., Hammermeister, K.E., and Henderson, W.G.: Surgical Risk Preoperative Assessment System (SURPAS): I. Parsimonious, Clinically Meaningful Groups of Postoperative Complications by Factor Analysis. *the Annals of Surgery*, June; 263(6):1042-8, 2016. PMID 26954897  
\* indicates co-first authors.

28. **Meguid, R.A.\***, Bronsert, M.R.\*, Juarez-Colunga, E.\*, Hammermeister, K.E., and Henderson, W.G.: Surgical Risk Preoperative Assessment System (SURPAS): II. Parsimonious Risk Models for Postoperative Adverse Outcomes Addressing need for Laboratory Variables and Surgeon Specialty-Specific Models. *the Annals of Surgery*, July; 264(1):10-22, 2016. PMID 26945154  
\* indicates co-first authors.
29. **Meguid, R.A.**, Juarez-Colunga, E., Bronsert, M.R., Hammermeister, K.E. and Henderson, W.G.: Surgical Risk Preoperative Assessment System (SURPAS): III. Preoperative Prediction of Adverse Outcomes with Eight Predictor Variables. *the Annals of Surgery*, July; 264(1):23-31, 2016. PMID 26928465
30. Jones, T., Sullivan, A., Damle, S., Weyant, M.J., Mitchell, J.D., Weitzel, N.S., and **Meguid, R.A.**: Clinical Challenges: Assessment and Management of Post-intubation Airway Injuries. *Seminars in Cardiothoracic and Vascular Anesthesia*, March, 21(1):99-104, 2017. PMID 27166401
31. Ryan, C., Paniccia, A., **Meguid, R.A.**, McCarter, M.: Transthoracic Anastomotic Leak after Esophagectomy: Current Trends. *Annals of Surgical Oncology*, Jan; 24(1):281-290, 2017. PMID 27406098
32. Lin, Y, **Meguid, R.A.**, Hosokawa, P.W., Henderson, W.G., Schulick, R.D., Shelstad, R.C., Wild, T.T., McIntyre, R.C.: An Institutional Analysis of Unplanned Return to the Operating Room to Identify Areas for Quality Improvement. *American Journal of Surgery*, epub ahead of print, December 13, 2016. PMID 28057294
33. Stewart, C.L., Wilson, L., Hamm, A., Bartsch, C., Boniface, M., Gleisner, A., Mitchell, J.D., Weyant, M.J., **Meguid, R.A.**, Gajdos, C., Edil, B.H., McCarter, M.: Is Chemical Pyloroplasty Necessary for Minimally Invasive Esophagectomy? *Annals of Surgical Oncology*, May;24(5):1414-1418, 2017. PMID 28058546
34. Bergeron, E., **Meguid, R.A.**, Mitchell, J.D. Chronic Infections of the Chest Wall: The Chest Wall. *Thoracic Surgery Clinics*, May, 27:87-98, 2017.
35. **Meguid, R.A.**: Chylothorax: Surgical ligation of the thoracic duct via thoracotomy. *Operative Techniques in Thoracic and Cardiovascular Surgery*. Summer; 21(2):139-51, 2016.
36. Lin, Y., Mukhopadhyay, S., **Meguid, R.A.**, Kuwayama, D.P.: The Colorado Humanitarian Surgical Skills Workshop: A cadaver-based workshop to prepare residents for surgery in austere settings. *Journal of Surgical Education* Aug 29. Pii: S1931-7204(17): 30231-3, 2017. PMID 28864266

**In Press:**

37. Morabito, J., Bell, M.T., Montenij, L.J., Mayes, L.M., Pan, Z., Dieleman, J.M., **Meguid, R.A.**, Bartels, K.: Perioperative Considerations for the Chylothorax. Accepted for publication in *The Journal of Cardiothoracic and Vascular Anesthesiology* on May 30, 2017.
38. Bhagat, R., Bronsert, M.R., Ward, A.N., Martin, J., Juarez-Colunga, E., Glebova, N.O., Henderson, W.G., Fullerton, D., Weyant, M.J., Mitchell, J.D., **Meguid, R.A.**: National Analysis of Unplanned Readmissions after Thoracoscopic vs. Open Lung Cancer Resections. Accepted for publication in *The Annals of Thoracic Surgery* on August 22, 2017.

***Non-Peer Reviewed Publications (Letters to the Editor, Invited Editorials):***

1. Meguid, R.A., Henderson, W.G., Hammermeister, K.E., Bronsert, M.R., and Juarez-Colunga, E.: Reply to Letter: "Redesigning ACS-NSQIP Data Collection and Reports Will This Translate into Better Outcomes?" *the Annals of Surgery*, epub ahead of print, Oct 4, 2016. PMID 27455154

***In Press:***

***Books:***

1. The Johns Hopkins A.B.S.I.T.E. Review Manual, Editors: Nazarian, S.M., **Meguid, R.A.** and Lipsett, P.A., Philadelphia: Lippincott, Williams and Wilkins, 2008. ISBN 978-0-7817-9178-6.
2. General Surgery Review. Second Edition, Editor: Makary, M.A., Assistant Editor: **Meguid, R.A.**, Washington, D.C.: Ladner-Drysdale, 2008. ISBN 0-9760662-2-X
3. The Johns Hopkins A.B.S.I.T.E. Review Manual, Second Edition. Editors: **Meguid, R.A.** Van Arendonk, K.J., and Lipsett, P.A., Philadelphia: Lippincott, Williams and Wilkins, 2013. ISBN 978-0-7817-9178-6.

***In Press: none***

***Book Chapters:***

1. **Meguid, R.A.**, Sonnenday, C. "The Liver" in General Surgery Review. First Edition, Editor: Makary, M.A., Washington, D.C.: Ladner-Drysdale, 2004. 79-90.
2. Hayanga, A.J., Montanaro, N.F, **Meguid, R.A.**, "Antibiotics" in General Surgery Review. 2<sup>nd</sup> Edition, Editor: Makary, M.A., Washington, D.C.: Ladner-Drysdale, 2008. 475-86.
3. Laviano, A., **Meguid, R.A.**, Meguid, M.M., "Nutrition Support" in Principles and Practice of Oncology, 8<sup>th</sup> Edition. Editors: DeVita, V.T., Lawrence, T.S., Rosenberg, S.A., New Haven: Lippincott, Williams & Wilkins, 2008. 2791-804.
4. **Meguid, R.A.**, Wolfgang, C.L., "Primary Pancreatic Cancer: Surgery" in Gastrointestinal Oncology: A Critical Multidisciplinary Team Approach. Editors: Jankowski, J., Sampliner, R., Kerr, D., Fong, Y. Oxford: Blackwell, 2008. 515-22.
5. **Meguid, R.A.**, "Small Bowel Obstruction" in Avoiding Common Errors in the Emergency Department. Editors: Mattu, A., Chanmugam, A., Swadron, S., Tibbles, C., Woolridge, D. Philadelphia: Lippincott, Williams and Wilkins, 2010. 6-9.
6. Laviano, A., **Meguid, R.A.**, Meguid, M.M., "Nutritional Support" in Principles and Practice of Oncology, 9<sup>th</sup> Edition. Editors: DeVita, V.T., Lawrence, T.S., Rosenberg, S.A., New Haven: Lippincott, Williams & Wilkins, 2010.
7. **Meguid, R.A.**, "Chest Wall Tumors" in TSRA Review of Cardiothoracic Surgery, Editors: Mery, C., Turek, J., Chicago: TSRA, 2011. 66-8.
8. **Meguid, R.A.**, Mulligan, M.S., "Infections of the Chest Wall" in Cardiothoracic Surgery Review, Editor: Franco, K.L., Thourani, V.H., Philadelphia: Lippincott, Williams and Wilkins, 2011. 1167-8.

9. Hayanga, A.J., Montanaro, N.F, **Meguid, R.A.**, “Antibiotics” in Surgery Review. 3<sup>rd</sup> Edition, Editor: Makary, M.A., Cooper, M., Philadelphia: Lippincott, Williams and Wilkins, 2013. 603-618.
10. **Meguid, R.A.**, Brock, M.V., “Chest Wall Tumors” in Johns Hopkins Textbook of Cardiothoracic Surgery, 2<sup>nd</sup> Edition Ed: Yuh, D.D., Vricella, L.A., Yang, S., Doty, J.R., New York: McGraw Hill, 2014. 243-266.
11. Bennett, D.T., **Meguid, R.A.**, Mitchell, J.D., Weyant, M.J. “Chapter 6-(vi): Pleural Space and Mediastinum” in Denver Health Medical Center Handbook of Surgical Critical Care: The Practice and the Evidence, Ed: Pieracci, F.M., Moore, E.E., Singapore: World Scientific Publishing, 2015. 245-250.
12. Foley, L.S., Weyant, M.J. **Meguid, R.A.**, Mitchell, J.D. “Tube Thoracostomy” in Denver Health Medical Center Handbook of Surgical Critical Care: The Practice and the Evidence, Ed: Pieracci, F.M., Moore, E.E., Singapore: World Scientific Publishing, 2015. 603-610.

***In Press:***

13. Reeves, J.G., **Meguid, R.A.** “Chapter 63: Chest Wall Tumors” in Textbook of Surgical Oncology, Ed: Balch, C., Tanabe, K., and Morita, S. New York: McGraw-Hill, *in press*.

***Free Standing Abstracts:***

1. **Meguid, R.A.**, Wang, P., Chaudry, I.H.: Does Endothelin or Nitric Oxide Play Any Major Role in Producing Hyperdynamic Circulation During Sepsis? *Shock* (Jun) 7:Suppl 1:65, 1997.
2. Fendrich, V., Esni, F., Feldmann, G., **Meguid, R.**, Leach, S., Maitra, A.: Hedgehog Pathway Activation In Acute Injury And Regeneration In Adult Mouse Pancreas. *Pancreas* (Nov) 33;4:460, 2006.
3. **Meguid, R.A.**, Fendrich, V., Esni, F., Feldmann, G., Maitra, A., Leach, S.D.: Sonic Hedgehog Misexpression Causes Expansion of Mesenchymal Elements in Adult Mouse Pancreas. *The Journal of Surgical Research* (Feb) 137;2:165, 2007.
4. **Meguid, R.A.**, Ahuja, N., Chang, D.C.: What Constitutes a “High Volume” Hospital for Pancreatic Resection? *The Journal of Surgical Research* (Feb) 137;2:184-5, 2007.
5. **Meguid, R.A.**, Hooker, C.M., DeAngelis, J.A., Sussman, M., Yang, S.C., Brock, M.V.: Outcomes of Lung Cancer Surgery in HIV-Positive Smokers: Initial Findings. *The Journal of the American College of Surgeons* (Sept) 205;Suppl 3: S24, 2007.
6. Habbe, N., **Meguid, R.A.**, Fendrich, V., Feldmann, G., Hruban, R.H., Leach, S.D., Maitra, A.: Spontaneous development of murine pancreatic intraepithelial neoplasia (mPanIN) in Ela-CreERT2; LSL-Kras<sup>G12D</sup> mice: Insights into cellular origins of pancreatic cancer. *Pancreas* (Nov) 35;4:405-6, 2007.
7. Wu, F., **Meguid, R.A.**, Hooker, C.M., Sussman, M.S., Cattaneo, S.M., Brock, M.V., Yang, S.C.: Outcomes of Elderly Patients with Esophageal Cancer: Who Undergoes Esophagectomy? *The Journal of the American College of Surgeons* (Sept) 207;Suppl 3: S49, 2008.

8. Brooke, B.S., **Meguid, R.A.**, Makary, M.A., Perler, B.A., Dominici, F., Pronovost, P.J., Pawlik, T.M.: Adopting Evidence-Based Process Measures in Surgery: Intervention Specific or Associated with Overall Hospital Quality? *The Journal of the American College of Surgeons* (Sept) 207;Suppl 3: S74, 2008.
9. Lin, Y., **Meguid, R.A.**, Henderson, W.G., Hammermeister, K., Wild, T.T., Spruiell, M.D., Quattlebaum, S., Shelstad, R.C., Folzenlogen, Z., McIntyre, R.C.: Unplanned Return to the Operating Room: An institutional analysis to identify areas for improvement. *The Journal of the American College of Surgeons* (Oct) 221(4);Suppl 1: S79-S80, 2015.
10. Ryan, C., Panizza, A., **Meguid, R.A.**, McCarter, M.: Transthoracic Anastomotic Leak after Esophagectomy: No Longer a Catastrophe. *Annals of Surgical Oncology* (Feb) 20:Suppl 1: S150-1, 2016.
11. Stewart, C., Wilson, L., Hamm, A., Barsch, C., Boniface, M., Gleisner, A., Mitchell, J.D., Weyant, M.J., **Meguid, R.A.**, Gajdos, C., Edil, B., McCarter, M.: Is Chemical Pyloroplasty Necessary for Minimally Invasive Esophagectomy? *Annals of Surgical Oncology* (Feb) 20:Suppl 1: S152, 2016.

***Invited Presentations:***

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1. **Meguid, R.A.**, Paston, M.J., Muscaritoli, M., Forbes, B., Yang, Z.J., and Meguid, M.M.: "Dynamics of Central Venous Catheter-Related Sepsis in Rats", Oral presentation at the Junior Science and Humanities Symposium, State University of New York, Albany, NY, April 1992.
2. **Meguid, R.A.**, Beverly, J.L., and Meguid, M.M.: "Surfeit Calories During Parenteral Nutrition Influences Food Intake and Carcass Adiposity in the Rat", Oral presentation at the 11<sup>th</sup> International Conference on the Physiology of Food and Fluid Intake, University of Oxford, England, July 1993.
3. **Meguid, R.A.**, Beverly, J.L., and Meguid, M.M.: "Surfeit Calories During Parenteral Nutrition Influences Food Intake and Carcass Adiposity in the Rat", Oral presentation at the Junior Science and Humanities Symposium, State University of New York, Albany, NY, April 1993.
4. **Meguid, R.A.**, Meguid, M.M., Beverly, J.L., Yang, Z.J., Gleason, J.R., and Yue, M.X.: "Parenteral Nutrition, Brain Glycogen, and Food Intake", Oral presentation at the 7<sup>th</sup> Annual Biomedical Research Day, Brown University, Providence, RI, April 1994.
5. **Meguid, R.A.**, Wang, P., and Chaudry, I.H.: "Alterations in Endothelins and Nitric Oxide During Hyperdynamic and Hypodynamic Stages of Polymicrobial Sepsis in the Rat": Biochemistry Honors Thesis oral presentation, Department of Chemistry, Brown University, Providence, RI, April 1997.
6. **Meguid, R.A.**, Wang, P., and Chaudry, I.H.: "Does Endothelin or Nitric Oxide Play Any Major Role in Producing Hyperdynamic Circulation During Sepsis?", Oral presentation at the 20<sup>th</sup> Annual Conference on Shock, Grand Champions Resort, Indian Wells, CA, June 1997.



7. **Meguid, R.A.**, Beverly, J.L., and Meguid, M.M.: “Body Fat Changes in Rats Receiving Continuous Infusion of TPN With and Without Chow”, Poster presentation at the XXXIII International Union of the Physiological Sciences, Medical-Military Academy, St. Petersburg, Russia, July 1997.
8. **Meguid, R.A.**, Wang, P., and Chaudry, I.H.: “Temporal Changes in Endothelin and NO During Sepsis in the Rat”, Oral presentation at the XXXIII International Union of the Physiological Sciences, Medical-Military Academy, St. Petersburg, Russia, July 1997.
9. **Meguid, R.A.**, Brooke, B.S., Chang, D.C., and Yang, S.C.: “Are Surgical Outcomes for Lung Cancer Resections Improved at Teaching Hospitals?” The J. Maxwell Chamberlain Memorial Paper for General Thoracic Surgery, Oral presentation at the 43<sup>rd</sup> annual meeting of the Society of Thoracic Surgeons Annual Meeting, San Diego, CA, January 29, 2007.
10. **Meguid, R.A.**, Fendrich, V., Esni, F., Feldmann, G., Maitra, A., and Leach, S.D.: “Sonic Hedgehog Misexpression Causes Expansion of Mesenchymal Elements in Adult Mouse Pancreas.” Oral presentation at the 2<sup>nd</sup> Annual Academic Surgical Congress, Association of Academic Surgeons, Phoenix, AZ, February 7, 2007.
11. **Meguid, R.A.**, Ahuja, N., and Chang, D.C.: “What Constitutes a “High Volume” Hospital for Pancreatic Resection?” Oral presentation at the 2<sup>nd</sup> Annual Academic Surgical Congress, Association of Academic Surgeons, Phoenix, AZ, February 8, 2007.
12. **Meguid, R.A.**, Slidell, M.B., Chang, D.C., and Ahuja, N.: “Is there a Difference in Survival Between Right- Versus Left-Sided Colon Cancers?” Poster presentation at the Society of Surgical Oncology Annual Meeting, Washington, D.C., March 17, 2007.
13. **Meguid, R.A.**, Weiss, E.S., Chang, D.C., Brock, M.V., and Yang, S.C.: “The Effect of Volume on Esophageal Cancer Resections: What Constitutes Acceptable Resection Volumes for Centers of Excellence?” Oral presentation at the 87<sup>th</sup> annual meeting of the American Association for Thoracic Surgery, Washington, D.C., May 8, 2007.
14. **Meguid, R.A.**, Brooke, B.S., Chang, D.C., Brock, M.V., and Yang, S.C.: “Peri-Operative Surgical Outcomes for Lung Cancer Resection: Do Residents Make a Difference?” Oral presentation at the Gershon Efron Clinical Research Award Competition, Gregory Bulkley 2<sup>nd</sup> Annual Resident Research Day, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD, May 29, 2007.
15. **Meguid, R.A.**, Hooker, C.M., Pelosky, K.L., Pridham, G.L., Sam, C., Yang, S.C., and Brock, M.V.: “Screening For Lung Cancer With Molecular Markers: Which Specimen Source is Best?” Oral presentation at the George D. Zuidema Basic Science Research Award Competition, Gregory Bulkley 2<sup>nd</sup> Annual Resident Research Day, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD, May 29, 2007.
16. **Meguid, R.A.**, Hooker, C.M., Xu, L., Lee, S., Luong, E., Sherwood, T.J., Sussman, M., Yang, S.C., and Brock, M.V.: “Surgical Outcomes in Non-Smoking Lung Cancer Patients.” Oral presentation at the 33<sup>rd</sup> annual meeting of the Western Thoracic Surgical Association, Santa Ana Pueblo, NM, June 29, 2007. Nominee, Samson Resident Essay Award.
17. **Meguid, R.A.**, Hooker, C.M., DeAngelis, J.A., Sussman, M., Yang, S.C., and Brock, M.V.: “Outcomes of Lung Cancer Surgery in HIV-Positive Smokers: Initial Findings.” Oral presentation at the Surgical Forum, American College of Surgeons Annual Meeting, New Orleans, LA, October, 2007.

18. Habbe, N., **Meguid, R.A.**, Fendrich, V., Feldmann, G., Hruban, R.H., Leach, S.D., and Maitra, A.: "Spontaneous development of murine pancreatic intraepithelial neoplasia (mPanIN) in *Ela-CreERT2*; *LSL-Kras<sup>G12D</sup>* mice: Insights into cellular origins of pancreatic cancer." Oral presentation at the American Pancreatic Association 2007 Annual Meeting, Chicago, IL, November 1, 2007.
19. Brock, M.V., Taylor, J., **Meguid, R.A.**, Hooker, C.M., Yang, S.C., Kleinberg, L., Heitmiller, R.F., Montgomery, E., Herman, J., and Forastiere, A.: "Esophageal cancer survival after neoadjuvant chemoradiation and surgery." Poster presentation at the 2008 Gastrointestinal Cancers Symposium (ASCO, AGA, ASTRO, & SSO), Orlando, FL, January 25, 2008.
20. **Meguid, R.A.**, Dominici, F., Yang, S.C.: "Decreased Operative Mortality for Esophageal Cancer Resection at Hospitals with Thoracic Training Programs." Masters of Public Health Thesis oral presentation, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, May 1, 2008.
21. Weiss, E.S., **Meguid, R.A.**, Patel, N.D., Russell, S.D., Shah, A.S., Baumgartner, W.A., and Conte, J.V.: "Increased Mortality Rates at Low Volume Orthotopic Heart Transplantation Centers. Should The Optimal Volume For Defining Centers of Excellence Be Increased?" Oral presentation at the 44<sup>th</sup> Annual Meeting of the Society of Thoracic Surgeons, Fort Lauderdale, FL, January 29, 2008.
22. Taylor, J.T., **Meguid, R.A.**, Hooker, C.M., Yang, S.C., Heitmiller, R.F., Sussman, M., Kleinberg, L.R., Montgomery, E.A., Forastiere, A.A., and Brock, M.V.: "Long-term survival after neoadjuvant chemoradiation and surgery for esophageal cancer: an institutional experience." Poster presentation at the 2008 Surgical Research Forum, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, February 28, 2008.
23. **Meguid, R.A.**, Weiss, E.S., Cattaneo, S.M., Sussman, M.S., Brock, M.V., and Yang, S.C.: "Decreased Operative Mortality for Esophageal Cancer Resection at Hospitals with Thoracic Training Programs: Should Esophagectomies Only Be Performed by Thoracic Surgeons?" Oral presentation at the 88<sup>th</sup> annual meeting of the American Association For Thoracic Surgery, San Diego, CA, May 12, 2008.
24. **Meguid, R.A.**, Hooker, C.M., DeAngelis, J.A., Cattaneo, S.M., Sussman, M., Yang, S.C., and Brock, M.V.: "Outcomes after Lung Cancer Surgery in HIV-Positive Patients" Oral presentation at the Gershon Efron Clinical Research Award Competition, Gregory Bulkley 3<sup>rd</sup> Annual Resident Research Day, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD, June 18, 2008.
25. **Meguid, R.A.**, Hooker, C.M., Taylor, J.T., Kleinberg, L., Cattaneo, S.M., Sussman, M., Yang, S.C., Heitmiller, R.F., Forastiere, A., and Brock, M.V.: "Failure after Neoadjuvant Chemoradiation and Surgery for Esophageal Cancer: Do Complete Responders Recur Differently than Non-Complete Responders." Oral presentation at the 34<sup>th</sup> annual meeting of the Western Thoracic Surgical Association, Kona, HI, June 26, 2008.
26. **Meguid, R.A.**, Cattaneo, S.M., Brock, M.V., and Yang, S.C.: "Length of Stay after Lung Cancer Surgery: Thoracic Surgeons Are Setting the Standard." Oral and poster presentation at the 34<sup>th</sup> annual meeting of the Western Thoracic Surgical Association, Kona, HI, June 28, 2008.

27. Yang, S.C., **Meguid, R.A.**, Brooke, B.S., Chang, D.C., and Brock, M.V.: "Assessing if Teaching Hospitals Have Better Complex Surgical Procedure Outcomes – A Look at In-Hospital Mortality for Lung Cancer Resections" Oral presentation at the Agency for Healthcare Research and Quality (AHRQ) Annual Conference, Washington, D.C., September 10, 2008.
28. **Meguid, R.A.**, Brooke, B.S., Perler, B.A., and Freischlag, J.A.: "Does Teaching Hospital Status Impact Survival from Ruptured Abdominal Aortic Aneurysm Repair?" Oral poster presentation at the Eastern Vascular Society 2008 Annual Meeting, Boston, MA, September 18, 2008.  
"Best Poster" award
29. Wu, F., **Meguid, R.A.**, Hooker, C.M., Sussman, M.S., Cattaneo, S.M., Brock, M.V., and Yang, S.C.: "Outcomes of Elderly Patients with Esophageal Cancer: Who Undergoes Esophagectomy?" Oral presentation at the Surgical Forum, American College of Surgeons Annual Meeting, San Francisco, CA, October 15, 2008.
30. Brooke, B.S., **Meguid, R.A.**, Perler, B.A., Dominici, F., Pronovost, P.J., and Pawlik, T.M.: "Adopting Evidence-Based Process Measures in Surgery: Is Intervention Specific or Associated with Overall Hospital Quality?" Oral presentation at the Surgical Forum, American College of Surgeons Annual Meeting, San Francisco, CA, October 15, 2008.
31. **Meguid, R.A.**: "The Academic Effect on Perioperative Outcomes." Oral presentation at the Department of Surgery Research Seminar, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, November 6, 2008.
32. Weiss, E.S., **Meguid, R.A.**, Patel, N.D., Merlo, C.A., Orens, J.B., Baumgartner, W.A., Conte, J.V., and Shah, A.S.: "The Center Effect in Lung Transplantation: A Volume Outcome Analysis of Over 10,000 Cases." Oral presentation at the 45<sup>th</sup> annual meeting of the Society of Thoracic Surgeons, San Francisco, CA. January 27, 2009.
33. **Meguid, R.A.**, Brooke, B.S., Perler, B.A., and Freischlag, J.A.: "What Effect Does Teaching Hospital Status Have on Survival from Ruptured Abdominal Aortic Aneurysm Repair?" Poster presentation at the 2009 Surgical Research Forum, Department of Surgery, Johns Hopkins University School of Medicine, February 26, 2009.
34. Zhu, N., **Meguid, R.A.**, Hooker, C.M., Brock, M.V., and Yang, S.C.: "Comparison of Demographics, Diagnosis and Treatment of Asian-Americans with Non-Small Cell Lung Cancer with the U.S. General Population." Poster at 13<sup>th</sup> World Conference on Lung Cancer, San Francisco, CA. August 1, 2009.
35. **Meguid, R.A.**, and Kuwayama, D.P.: "The 80 Hour Work Week: What We've Learned, Where this is Taking Us." Oral presentation at Grand Rounds, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, May 6, 2010.
36. **Meguid, R.A.**: "The Academic Effect on Perioperative Outcomes." Oral presentation, Department of Surgery, University of Wisconsin School of Medicine, Madison, WI, November 17, 2011.
37. **Meguid, R.A.**: "The Role of Thoracoscopy in Lung Cancer Diagnosis and Treatment." Oral presentation at Grand Rounds, Department of Medicine, Rose Medical Center, Denver, CO, February 25, 2014.

38. **Meguid, R.A.**, and Partrick, D.A.: “Surgical Management of Pectus Excavatum.” Oral presentation at Grand Rounds, Department of Surgery, University of Colorado School of Medicine, Aurora, CO, March 3, 2014.
39. Moore, H.B., Juarez-Colunga, E., Bronsert, M., Hammermeister, K.E., Henderson, W.G., Moore, E.E., **Meguid, R.A.**: “Are Pregnant Patients Subject to Increased Morbidity and Mortality After Non-Obstetric Surgery?” Oral presentation and poster presentation at American College of Surgeons National Surgical Quality Improvement Program Annual Meeting, New York, NY, July 28, 2014.
40. **Meguid, R.A.**: “Development of a Parsimonious Preoperative Risk Assessment Tool.” Oral presentation at the University of Colorado Cancer Center Grand Rounds, University of Colorado School of Medicine, Aurora, CO, September 2, 2014.
41. **Meguid, R.A.**: “Update on NSQIP and UCH Quality Improvement Efforts.” Oral presentation at Grand Rounds, Department of Surgery, University of Colorado School of Medicine, Aurora, CO, September 8, 2014.
42. **Meguid, R.A.**: “Development of a Parsimonious Preoperative Risk Assessment Tool.” Oral presentation at M3’s Last Lab Meeting, Marco Island, FL, October 10, 2014.
43. **Meguid, R.A.**: “Surgical Management of Pectus Excavatum.” Oral presentation at Grand Rounds, Good Samaritan Hospital, Lafayette, CO, October 30, 2014.
44. **Meguid, R.A.**: “Use of ACS NSQIP Data for Quality Improvement.” Oral presentation at Grand Rounds, Department of Anesthesiology, University of Colorado School of Medicine, Aurora, CO, November 24, 2014.
45. **Meguid, R.A.**: “Thoracic Surgery & Minimally Invasive Surgery for Lung Cancer.” Oral presentation at weekly meeting of Rotary Club International of Cherry Creek, Denver, CO, March 31, 2015.
46. Abrams, B., Bell, M.T., Seres, T., **Meguid, R.A.**, Bartells, K.: “Considerations for Pulmonary Torsion.” Poster at Society of Cardiovascular Anesthesiologists 37th Annual Meeting & Workshops, 4th Annual Thoracic Anesthesia Symposium, Difficult Cases, Washington, DC, April 10, 2015.
47. Hanson, R., Beck, D., **Meguid, R.A.**, Jones, T., Weitzel, N.S.: “Management and Repair of Acute Intubation-Related Tracheal Perforation.” Poster at Society of Cardiovascular Anesthesiologists 37th Annual Meeting & Workshops, 4th Annual Thoracic Anesthesia Symposium, Difficult Cases, Washington, DC, April 10, 2015.
48. **Meguid, R.A.**: “Development of a Parsimonious Preoperative Risk Assessment Tool.” Oral presentation at Department of Surgery Grand Rounds, Federal University of Paraná Hospital de Clínicas da UFPR, Curitiba, Brazil, April 13, 2015
49. Bronsert, M.R., Juarez-Colunga, E., **Meguid, R.A.**, Hammermeister, K.E., and Henderson, W.G.: “A Simulation Study of Bias, Predictor Stability and Individual Risk Estimates Using Stepwise Logistic Regression Analysis.” Oral and Poster session at the *Western North American Region of the International Biometric Society* 2015, Boise, ID, May 8, 2015.
50. **Meguid, R.A.**: “Using NSQIP to Evaluate Readmissions After Lung Resection.” Oral presentation at the *American College of Surgeons Clinical Congress*, Chicago, IL, October 6, 2015.

51. Lin, Y., **Meguid, R.A.**, Henderson, W.G., Hammermeister, K., Wild, T.T., Spruiell, M.D., Quattlebaum, S., Shelstad, R.C., Folzenlogen, Z., McIntyre, R.: "Unplanned Return to the Operating Room: An institutional analysis to identify areas for improvement." Oral presentation at the *American College of Surgeons Surgical Forum*, Chicago, IL, October 7, 2015.
52. **Meguid, R.A.**: "Surgical Management of Pectus Excavatum." Oral presentation at Grand Rounds, Department of Surgery, Saint Joseph Hospital, Denver, CO, October 20, 2015.
53. **Meguid, R.A.**: "University of Colorado Hospital NSQIP & Quality Improvement Update." Oral presentation at Grand Rounds, Department of Surgery, University of Colorado School of Medicine, Aurora, CO, October 26, 2015.
54. **Meguid, R.A.**: "Managing Lung Cancer From the Solitary Pulmonary Nodule to Complex Cases: A Multidisciplinary Approach." Oral presentation at the *Mountain States Cancer Conference, 1st Annual Meeting*, Aurora, CO, November 7, 2015.
55. Stewart, C., Wilson, L., Hamm, A., Barsch, C., Boniface, M., Gleisner, A., Mitchell, J.D., Weyant, M.J., **Meguid, R.A.**, Gajdos, C., Edil, B., McCarter, M.: "Is Chemical Pyloroplasty Necessary for Minimally Invasive Esophagectomy?" Poster presentation at the *Society of Surgical Oncology Annual Cancer Symposium*, Boston, MA, March 2-5, 2016.
56. Ryan, C., Paniccia, A., **Meguid, R.A.**, McCarter, M.: "Transthoracic Anastomotic Leak after Esophagectomy: No Longer a Catastrophe." Poster presentation at the *Society of Surgical Oncology Annual Cancer Symposium*, Boston, MA, March 2-5, 2016.
57. **Meguid, R.A.**: "Management of Chest Wall Tumors." Oral presentation at Grand Rounds, Good Samaritan Hospital, Lafayette, CO, March 17, 2016.
58. **Meguid, R.A.**: "Surgical Risk Preoperative Assessment System – Development of a Novel Risk Assessment System." Oral presentation at the *Surgical Outcomes Club, Monthly Work In Progress Seminar*, national webinar, April 21, 2016.
59. **Meguid, R.A.**: "Surgical Risk Preoperative Assessment System – Development of a Novel Risk Assessment System." Oral presentation at Grand Rounds, Division of Urology, Department of Surgery, University of Colorado School of Medicine, Aurora, CO, June 6, 2016.
60. McCarter, M., Ryan, C., **Meguid, R.A.**, Paniccia, A.: Transthoracic Anastomotic Leak after Esophagectomy: Still a Catastrophe? Poster presentation at the *American Society of Clinical Oncology 2016 Gastrointestinal Cancers Symposium*, Chicago, IL.
61. Stewart, C., Hazel, K., Boniface, M., McCarter, M., Gajdos, C., Edil, B., **Meguid, R.A.**, Mitchell, J.D., Weyant, M.J.: Is restaging positron emission tomography required after neoadjuvant treatment for esophageal cancer? Oral presentation at the *Western Thoracic Surgical Association 2016 annual meeting*, Waikoloa, HI, June 22, 2016.  
- Norman E. Shumway Award for Best Podium Presentation.
62. Bhagat, R., Juarez-Colunga, E., Bronsert, M.R., Glebova, N.O., Henderson, W.G., Fullerton, D., MD, Weyant, M.J., Mitchell, J.D., **Meguid, R.A.**: Understanding Unplanned Readmissions after Thoracic Surgery to Guide Future Intervention. Poster presentation at the *National Surgical Quality Improvement Program 2016 annual meeting*, San Diego, CA, July 17, 2016.

63. **Meguid, R.A.**, Lin, Y., Hosokawa, P., Henderson, W.G., Hammermeister, K.E., Espinoza, S., Hennecken, N., Schulick, R.D., McIntyre, R.C.: An Institutional Analysis of Unplanned Return to the Operating Room to Identify Areas for Quality Improvement. Poster presentation at the *National Surgical Quality Improvement Program 2016* annual meeting, San Diego, CA, July 17, 2016.
64. **Meguid, R.A.**: The Role of Surgery in the Multidisciplinary Management of Lung Cancer. Plenary oral presentation at the *Global Resource for Advancing Cancer Education (GRACE): Targeted Therapies in Lung Cancer Patient Forum*, University of Colorado Hospital, Aurora, CO, August 20, 2016.
65. **Meguid, R.A.**: Surgical Risk Preoperative Assessment System – Development of a Novel Risk Assessment System. Oral presentation at Grand Rounds, Department of Surgery, University of Colorado School of Medicine, Aurora, CO, September 19, 2016.
66. **Meguid, R.A.**: Treating Pectus Excavatum in Patients with Connective Tissue Disorders. Oral presentation at the 2<sup>nd</sup> Annual Colorado Symposium on Marfan Syndrome & Related Disorders, University of Colorado School of Medicine, Aurora, CO, October 22, 2016.
67. Bhagat, R., Ward, A.N, Juarez-Colunga, E., Bronsert, M.R., Glebova, N.O., Henderson, W.G., Fullerton, D., Weyant, M.J., Mitchell, J.D., Martin, J., **Meguid, R.A.**: Causes and Patterns of Unplanned Readmissions After Anatomic Lung Resection: Comparison of Thoracoscopic Vs. Open Approaches. Oral presentation at the *Southern Thoracic Surgical Association 63<sup>rd</sup>* annual meeting, Naples, FL, November 10, 2016.
68. **Meguid, R.A.**: Surgical Risk Preoperative Assessment System – Development of a Novel Risk Assessment System. Oral presentation at Grand Rounds, Department of Anesthesiology and Critical Care, University of Colorado School of Medicine, Aurora, CO, December 5, 2016.
69. Lambert-Kerzner, A., Lynett, K., Hammermeister, K.E., Henderson, W.G., **Meguid, R.A.**: Formative Evaluation of the Surgical Risk Preoperative Assessment System (SURPAS): Use of Consolidated Framework for Implementation Research (CFIR) to guide the Implementation Process. Poster presentation at the 9<sup>th</sup> Annual Conference on the Science of Dissemination and Implementation, the National Institutes of Health & AcademyHealth, Washington, DC, December 15, 2016.
70. Bhagat, R., Juarez-Colunga, E., Glebova, N.O., Weyant, M.J., Mitchell, J.D., Henderson, W.G., Fullerton, D., MD, **Meguid, R.A.**: Postoperative Complications Drive Unplanned Readmissions After Esophagectomies. Oral presentation at the *Society of Thoracic Surgeons 2017* annual meeting, Houston, TX, January 24, 2017.
71. Qiu, H., Paz de Araujo, D., **Meguid, R.A.**: Understanding Attitudes Towards and Techniques of Preoperative Risk Assessment. Poster presentation at the *2017 Western Medical Research Conference*, Carmel, CA, January 26, 2017.
72. Paz de Araujo, D., Qiu, H., **Meguid, R.A.**: Preoperative Capture of American Society of Anesthesiology Class and Functional Health Status for the Surgical Risk Preoperative Assessment System. Oral presentation at the *2017 Western Medical Research Conference*, Carmel, CA, January 27, 2017.
73. Bhagat, R., Juarez-Colunga, E., Glebova, N.O., Henderson, W.G., Fullerton, D., Weyant, M.J., Mitchell, J.D., McIntyre, R.C., **Meguid, R.A.**: Understanding Unplanned Readmissions after

- Hiatal and Paraesophageal Hernia Repairs. Oral presentation at the *12th Annual Academic Surgical Congress* annual meeting, Las Vegas, NV, February 8, 2017.
74. Qureshi, I., Bartels, K., Bronsert, M.R., Mitchell, J.D., Weyant, M.J., Shah, R.J., Edil, B.H., and **Meguid, R.A.**: Outcomes after Bilateral Thoracoscopic Splanchnicectomy for Treatment of Chronic Pancreatitis Pain. Oral presentation at the *12th Annual Academic Surgical Congress* annual meeting, Las Vegas, NV, February 9, 2017.
75. **Meguid, R.A.**: National Surgical Quality Improvement Program and University of Colorado Quality Improvement. Oral presentation at Grand Rounds, Division of Urology, Department of Surgery, University of Colorado School of Medicine, Aurora, CO, April 24, 2017.
76. **Meguid, R.A.**: Surgical Risk Preoperative Assessment System – Development of a Novel Risk Assessment System. Oral presentation at the *American College of Surgeons National Surgical Quality Improvement Program, Monthly Seminar*, national webinar, April 27, 2017.
77. Knapp, K., Venardos, N., **Meguid, R.A.**, Puskas, F.: Airway management of a patient with a large post-intubation tracheal tear and massive subcutaneous emphysema. Oral presentation at the Society of Cardiovascular Anesthesiologists (TAS) 5th Annual Thoracic Anesthesia Symposium, Difficult Cases, Orlando, FL, April, 2017.
78. **Meguid, R.A.**, Bronsert, M.R., Juarez-Colunga, E., Hammermeister, K.E., and Henderson, W.G.: Development of the Parsimonious Surgical Risk Preoperative Assessment System for Accurate Preoperative Prediction of Common Adverse Outcomes. Oral and poster presentation at the *ACS Quality and Safety Conference 2017* annual meeting, New York City, NY, July 22-25, 2017.
79. **Meguid, R.A.**, Bronsert, M.R., Juarez-Colunga, E., Hammermeister, K.E., and Henderson, W.G.: Parsimonious, Clinically Meaningful Groups of NSQIP Postoperative Complications by Factor Analysis. Poster presentation at the *ACS Quality and Safety Conference 2017* annual meeting, New York City, NY, July 22-25, 2017.

#### ***Invited Moderation & Discussion:***

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1. Invited Moderator, Chronic Rejection session, *9th Vail Cardiothoracic Transplantation: An International Update*, Vail, CO, January 15, 2013.
2. Invited Moderator, Chronic Rejection session, *10th Vail Cardiothoracic Transplantation: An International Update*, Vail, CO, February 24, 2015.
3. Invited Discussant on Mollberg, N.M., Howell, E., Vanderhoff, D.I., and Mulligan, M.S.: "Healthcare Utilization and Consequences of Readmission in the First Year Post Lung Transplantation." *Western Thoracic Surgical Association*, Whistler, British Columbia, Canada, June 25, 2015.
4. Invited Chair, Quality/ Prognosis/ Survival Mini Oral Session, *19th World Conference on Lung Cancer*, International Association for the Study of Lung Cancer, Denver, CO, September 7, 2015.
5. Invited Discussant on Panel: "Utilizing NSQIP Data to Drive QI for Thoracic Surgery." the *American College of Surgeons Clinical Congress*, Chicago, IL, October 6, 2015.

6. Invited Moderator, Integrated Quick Shot Presentations II: Outcomes/ Clinical: Oncology 4; The *Academic Surgical Congress*, Jacksonville, FL, February 4, 2016.
7. Invited oral and practical presentation: “Tube Thoracostomy,” “Surgical Airway Management.” *Humanitarian Surgical Skills Workshop*, University of Colorado School of Medicine, Aurora, CO, June 4-5, 2016.
8. Invited Discussant on Panel: “Does NED matter? Using ‘curative’ surgery or radiation techniques to treat ‘incurable’ advanced lung cancer.” *Global Resource for Advancing Cancer Education (GRACE): Targeted Therapies in Lung Cancer Patient Forum*, University of Colorado Hospital, Aurora, CO, August 20, 2016.
9. Invited Moderator, Clinical/Outcomes: Cardiothoracic Oral Session; The *Academic Surgical Congress*, Las Vegas, NV, February 9, 2017.
10. Invited oral and practical presentation: “Tube Thoracostomy,” “Surgical Airway Management.” *Humanitarian Surgical Skills Workshop*, University of Colorado School of Medicine, Aurora, CO, June 3-4, 2017.
11. Invited Discussant on Muñoz-Largacha, J.A., Steiling, K.A., Kathuria, H., Charlot, M., Fitzgerald, C., Suzuki, K., and Litle, V.R.: “Initial Experience Following Implementation of Lung Cancer Screening at an Urban Safety Net Hospital.” *Western Thoracic Surgical Association*, Colorado Springs, CO, June 21-24, 2017.

### ***Educational Activities***

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#### ***Educational Materials Created:***

Thoracic Surgery Curriculum, Joint Council of Thoracic Surgical Education  
Benign lung conditions cardiothoracic resident education curriculum (2012 – Present)  
<http://webbrain.com/brainpage/brain/4A8FEA33-71BC-90DC-7808-4292A8A6D1B4#-31>

Thoracic surgery patient care pathway handout for residents  
University of Colorado School of Medicine

Thoracic surgery curriculum for medical students  
University of Colorado School of Medicine

#### ***Teaching:***

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|----------------|--|
| 2014 – 2015    | Looking to the Future, Society of Thoracic Surgeons<br>Mentoring program for residents and medical students  |
| 2012 – Present | Preceptor, Foundations on Doctoring, University of Colorado School of<br>Medicine, Aurora, CO<br>Students:<br>Laura Scrimgeour, BA 2012 – 2014<br>Daniel Paz de Araujo, BS, 2016 – Present |



- 2012 – Present            Educational Presentations Delivered as Faculty, Division of Cardiothoracic Surgery, Department of Surgery, University of Colorado School of Medicine, Aurora, CO:
- “Thymoma and Thymectomy” Thoracic Surgery Curriculum, September 12, 2012
  - “How to Prepare for Residency Interviews & How to Rank Residency Programs.” University of Colorado SOM Surgery Interest Group, October 29, 2012
  - “Thoracic Outlet Syndrome” Thoracic Surgery Curriculum, November 7, 2012
  - “Post-Operative Care of the Thoracic Surgery Patient” Denver VA Critical Care Nursing Curriculum, December 7, 2012
  - “General Aspects of Common Thoracic Operations” University of Colorado Hospital Nursing Thoracic Surgery Seminar, April 1, 2013
  - “Preparing for and Succeeding in Sub-Internships.” University of Colorado SOM Surgery Interest Group, April 24, 2013
  - “Chest Wall Reconstruction” Thoracic Surgery Curriculum, May 22, 2013
  - “Mediastinoscopy” Radiation Oncology Residency Curriculum, September 5, 2013
  - “General Aspects of Common Thoracic Procedures” University of Colorado Hospital Nursing Thoracic Surgery Seminar, September 30, 2013
  - “Mediastinum, Thymus & Thymectomy” General Surgery Residency Curriculum, Oct 17, 2013
  - “Mediastinal Tumors, the Thymus & Thymectomy” Otolaryngology, Head & Neck Surgery Residency Curriculum, Jan 2, 2014
  - “General Aspects of Common Thoracic Procedures” University of Colorado Hospital Nursing Thoracic Surgery Seminar, April 7, 2014
  - “General Aspects of Common Thoracic Procedures” University of Colorado Hospital Nursing Thoracic Surgery Seminar, September 15, 2014
  - “Post-Operative Care of the Thoracic Surgery Patient” Denver VA Critical Care Nursing Curriculum, October 2, 2014
  - “General Aspects of Common Thoracic Procedures” University of Colorado Hospital Nursing Thoracic Surgery Seminar, April 20, 2015
  - “General Aspects of Common Thoracic Procedures” University of Colorado Hospital Nursing Thoracic Surgery Seminar, August 22, 2016
  - “General Aspects of Common Thoracic Procedures” University of Colorado Hospital Nursing Thoracic Surgery Seminar, April 24, 2017
  - “Quality Improvement” University of Colorado School of Medicine Surgical Residency Curriculum lecture, June 26, 2017
  - “Thoracic Procedures & Surgical Approaches” University of Colorado School of Medicine Surgical Residency Curriculum lecture, July 31, 2017
- 2010–2012            Educational Presentations Delivered during Cardiothoracic Residency: 22 Division of Cardiothoracic Surgery, Department of Surgery, University of Washington School of Medicine, Seattle, WA
- 2007–2008            Teaching Assistant  
Surgical Skills Lab for Medical Student Surgical Clinical Rotation  
Johns Hopkins University, School of Medicine, Baltimore, MD
- 1999–2002            Teaching Assistant  
International Health and Medicine Affinity Group  
Brown University, School of Medicine, Providence, RI
- 1999                    Teaching Assistant  
“So You Think You Want to be a Doctor, An Introduction to Medicine”  
Summer course for high school students, taught by Dr. P. Holomann,

- Brown Office of Summer Programs, Brown University, Providence, RI
- 1999 Teaching Assistant  
“The Brain, The Mind, The Surgeon”  
Summer course for high school students, taught by Dr. C. Duhaime,  
Brown Office of Summer Programs, Brown University, Providence, RI
- 1994–1996 Meikeljohn Advisor  
Advisor to undergraduate P.L.M.E. students  
Brown University, Providence, RI
- 1993 Teaching Assistant  
Science Horizons “the Bristol-Myers Squibb Summer  
Science Adventure” for 8th grade students  
Syracuse University, Syracuse, NY

***Mentoring:***

1. Joshua T. Taylor, BS, Johns Hopkins University, School of Medicine, Class of 2010. Analysis of survival after neoadjuvant chemoradiation and surgery for esophageal cancer. Served as research supervisor and mentor (2006-2008).
2. Nan Zhu, BA, Johns Hopkins University, School of Medicine, Class of 2011. Analysis of non-small cell lung cancer outcomes by race. Served as research supervisor and mentor (2007-2008).
3. Florence J. Wu, BS, Johns Hopkins University, School of Medicine, Class of 2010. Analysis of outcomes of elderly patients with esophageal cancer. Served as research supervisor and mentor (2007-2008).
4. Joani Christensen, BS, Johns Hopkins University, School of Medicine, Class of 2011. Analysis of survival from non-small cell lung cancer by smoking status. Served as research supervisor and mentor (2008-2010).
5. Solange Cox, BS, Johns Hopkins University, School of Medicine, Class of 2011. Analysis of survival from non-small cell lung cancer by smoking status. Served as research supervisor and mentor (2008-2010).
6. Paniotas N. Vardas, MBBS, Surgical resident, University of Washington School of Medicine. ad hoc mentor. (2011 - Present). Currently cardiothoracic resident in I-6 program, Indiana University, Indianapolis, IN.
7. University of Colorado School of Medicine Surgery Interest Group. Student mentor (2012 - 2015).
8. Laura Scrimgeour, BA, University of Colorado School of Medicine, Class of 2014. Foundations of Doctoring longitudinal course; ad hoc faculty mentor. (2012 - 2014) Accepted into categorical General Surgery Residency, Brown University School of Medicine, July, 2014.
9. Jacob Nacht, BA, University of Colorado School of Medicine, Class of 2014; ad hoc faculty mentor. (2012 - 2014) Accepted into Emergency Medicine Residency, Denver Health Hospital, July, 2014.

10. John Stringham, MD, University of Colorado School of Medicine, Surgical resident. Ad hoc faculty mentor. (2013 – 2015)  
Accepted into Thoracic Residency (Cardiothoracic Fellowship), University of Virginia, July, 2015.
11. Sara Materazzi, MD, University of Colorado School of Medicine, Surgical resident. Faculty mentor. (2013 – 2015)
12. Yihan Lin, MD, University of Colorado School of Medicine, Surgical resident. Faculty mentor. (2015 – Present); Ad hoc faculty mentor (2013 – 2015).  
Accepted into Paul Farmer Foundation 2015-2017; Accepted into Harvard School of Public Health Master of Public Health program 2016-2017.
13. Irfan Qureshi, MD, University of Colorado School of Medicine, Surgical resident. Faculty mentor. (2015 – 2017)
14. David Sprunger, MD, University of Colorado School of Medicine, Surgical resident. Faculty mentor. (2015 – Present)
15. Rohun Bhagat, University of Rochester, Undergraduate student. Research mentor (2015 – Present)
16. Howe Qiu, BS, University of Colorado School of Medicine, Class of 2019; Research mentor, School of Medicine Research Track (2015 – Present)
17. Daniel Paz de Araujo, BS, University of Colorado School of Medicine, Class of 2019; Research mentor, School of Medicine Research Track (2015 – Present); Foundations of Doctoring longitudinal course (2016 – Present)
18. Kirsten A. Freeman, MD, University of Colorado School of Medicine, Surgical resident. Ad hoc faculty mentor. (2015 – 2016). Accepted into Thoracic Surgery Residency, University of Florida, July 2017.
19. Davis Aasen, BS, University of Colorado School of Medicine, Class of 2020; Research mentor, School of Medicine Research Track (2016 – Present)

***Cardiothoracic Fellows Trained:***

1. David C. Mauchley, MD, University of Colorado School of Medicine, Thoracic resident. Faculty mentor. (2012 – 2015)
  - a. Congenital Cardiac Surgical Residency, University of Colorado School of Medicine, July 2015. Job, July 2016: Assistant Professor of Surgery, University of Alabama, Birmingham, AL.
2. Justin G. Reeves, MD, University of Colorado School of Medicine, Thoracic resident. Faculty mentor. (2013 – 2016)
  - a. Job, July 2016: Cardiothoracic Surgeon, St. Mary's Hospital, Spokane, WA.
3. Ryan Shelstad, MD, University of Colorado School of Medicine, Thoracic resident. Faculty mentor. (2013 – 2016)
  - a. Job, July 2016: Cardiothoracic Surgeon, Lincoln, NE.
4. Edward Bergeron, MD University of Colorado School of Medicine, Thoracic resident. Faculty mentor. (2013 – 2016)
  - a. Job, July 2017: Cardiothoracic Surgeon, Traverse City, MI.

5. Giorgio Zanoti, MD University of Colorado School of Medicine, Thoracic resident. Faculty mentor. (2013 – 2016)
  - a. Job, July 2017: Cardiothoracic Surgeon, Indianapolis, IN.

***General Surgery Residents Trained:***

2012-13 Matthew Fox; Jeffrey Harr; Edward Jones; Teresa Jones; Phillip Smith; Emily Speer; Seth TeBockhorst; Max Wohlaue

2013-14 Megan Anderson; Charles Eisenhauer; Dawn Fevurly; Karen Lo; Jessica Rove; John Stringham; Lauren Wilson

2014-15 Marshall Bell; Akshay Chauhan; Theresa Chin; Kirsten Freeman; Nicole Nadlonek; Christopher Ramos; Amy Reppert

2015-16 Shannon Acker; Daine Bennett; Mary Carr; Lisa Foley; Eduardo Gonzalez; Zachary Hartman; Alessandro Paniccia; Sarah Soule; Camille Stewart; Jeniann Yi

2016-17 Kenneth Howell; Shelly Wilson; Neil Venardos; Alex Morton; Douglas Hirth; Aidan Hamm; Nicole Townsend Christian; Aline Rau; Mara Additon

2017-18 Teralyn Carter; Douglas Overbey; Yihan Lin;

***Patient Care Educational Activities:***

Surgical Risk Preoperative Assessment System (SURPAS) Clinical Decision Support tool (2013 – Present)

<https://agile.md/iug06pno>

Thoracic Surgery Patient Education Website (2014 – Present)

<https://www.doctella.com/meguid>

University of Colorado Hospital Esophageal surgery postoperative care pathway development

University of Colorado Hospital Chest wall surgery postoperative care pathway development

University of Colorado Hospital Thoracic Surgery Patient Management pathway

University of Colorado Hospital Lung and Heart Donor Procurement Steps resident handout