

## Abstracts and Publications for Bhora & Connery

### *ABSTRACTS*

#### **SAGES 2010**

1. Schwartz G, Park K, Gmora SB, McGill K, Boone D, Razi SS, McGinty JJ, **Bhora FY**, Belsley S, Teixeira SA. The relationship between post-operative anatomy and endoscopic stent migration.

#### **ACADEMIC SURGICAL CONGRESS (AAS/SUS) 2010**

1. Boone D, Anagnostopoulos CE, Schwartz G, Razi SS, Belsley S, **Bhora FY**, Lantis, II, JC, Liapis CD, Rokkas CK, Toumpoulis IK. Peripheral vascular disease is an independent predictor of in-hospital complications, prolonged length of stay, and long-term mortality after cardiac surgery.
2. **Bhora FY**, Razi SS, Schwartz G, Boone D, Belsley S, Todd G, **Connery CP**. Advanced endoscopic tracheoplasty: endoscopic segmental tracheal ring resection.
3. Razi SS, Schwartz G, Boone D, Li X, Belsley S, **Connery CP**, Todd G, **Bhora FY**. Flaxseed protects against the inflammatory phase of lung ischemia reperfusion injury in a murine model.
4. Razi SS, Schwartz G, Boone D, Li X, Belsley S, Todd G, **Connery CP**, **Bhora FY**. Small molecule activation of procaspase-3 induces apoptosis in human lung adenocarcinoma: A tailored anti-cancer strategy.

#### **MINIMALLY INVASIVE ROBOTIC ASSOCIATION 2010**

1. Burra A, Schwartz G, Boone D, Razi SS, **Bhora FY**, Todd G, Belsley S. Comparisons between subjective analysis and hidden markov models for complex robotic movements.

#### **CHEST 2009**

1. **Bhora FY**, Razi SS, Ippagunta N, Latif MJ, Sancheti M, Todd GJ, **Connery CP**. Preoperative Medical Research Council Dyspnea Scale and ECOG Predict Survival In Patients Undergoing Stenting For Malignant Airway Obstruction.

#### **AMERICAN THORACIC SOCIETY 2009**

1. Schwartz G, Latif, MJ, Nabong A, **Connery CP**, **Bhora FY**. The Thoracic Surgery Scoring System (Thoracoscore) Under-Predicts Hospital Mortality in Patients Undergoing Airway Stenting for Advanced Cancer.

2. Schwartz G, Latif, MJ, Nabong A, **Connery CP, Bhora FY**. The Thoracic Surgery Scoring System (Thoracoscore) Accurately Predicts Hospital Mortality in Patients Undergoing Pericardial Window for Malignant Pericardial Effusion.

#### **SAGES 2009**

1. Burra A, Lingeman J, Gill K, Burra A, Ippagunta N, Latif MJ, **Bhora FY**, Todd GJ, Belsley SJ. Hidden Markov Models and Identification of Surgical Flight-Path Deviation with the da Vinci Robot.
2. Ippagunta N, Latif MJ, McGill K, McGinty JJ, Burra A, Rizas KD, **Bhora FY**, Todd GJ, Belsley GJ. Flexible Endoscopic Sub-Rectal Sheath Tunneling Allowing Intraperitoneal Visualization During Single Incision Ventral Hernia Mesh Repair

#### **The Eighth International Symposium on Sympathetic Surgery (ISSS) and VATS 2009**

1. **Latif MJ**, Belsley SJ, Ippagunta N, **Bhora FY**, Balderacchi J, Burra A, Todd GJ, Perin N, Connery CP. Surgical Technique of Robotic Nerve Grafting for Reversal of Sympathectomy.

#### **ACADEMIC SURGICAL CONGRESS (AAS/SUS) 2009**

1. Latif MJ, Afthinos JN, Belsley SJ, Todd GJ, **Connery CP, Bhora FY**. Resection of Middle Mediastinal Tumors Using the da Vinci Robot.
2. Latif MJ, Li X, Christofidou-Solomidou M, Belsley SJ, Todd GJ, **Connery CP, Bhora FY**. Heme Oxygenase-1 and NADPH Quinone Oxidoreductase-1 Expression is Enhanced by Flaxseed in a Mouse Model of Lung Ischemia Reperfusion Injury.
3. Latif MJ, Li X, Belsley SJ, Todd GJ, **Connery CP, Bhora FY**. Reperfusion Injury Induces Heme Oxygenase-1 and NADPH Quinone Oxidoreductase-1 Enzymes in an In Vivo Model of Lung Ischemia Reperfusion Injury.
4. Rizas KD, Latif MJ, Ippagunta N, Li X, **Bhora FY**, Tilson MD. Multilayer Genomic Analysis of Mitochondrial DNA in Patients with AAA Disease Using a Novel Web Application.

#### **MINIMALLY INVASIVE ROBOTIC ASSOCIATION 2009**

1. Ippagunta N, Latif MJ, **Bhora FY, Connery CP**, Belsley SJ. Benefits of Robotic Dissection and Suturing Versus Laparoscopy on Operations of the Diaphragm and the Diaphragmatic Hiatus.

2. Ippagunta N, Burra A, **Bhora FY**, Latif MJ, Todd GJ, Belsley SJ. Retrospective Analysis of Patterns of Specialty Usage of Da Vinci System at a Single Institution Over Seven Years.
3. Burra A, Ippagunta N, **Bhora FY**, Latif MJ, Belsley SJ. Da Vinci Flight Path Data Analysis: Limitations of Biased Segmentation.
4. Blasberg JD, Belsley SJ, Ippagunta NA, Schwartz GS, Wernick I, Evans AB, **Bhora FY**, and **Connery CP**: Mid-Term Results and Radiation Dosimetrics for Robotic Brachytherapy and Sublobar Resection for T1 Non-Small Cell Lung Cancer in High Risk Patients. *Minimally Invasive Robotic Association*. 2009. *Quebec, Canada*.

### **CHEST 2008**

1. Latif MJ, Uretsky S, Sherrid M, Afthinos JN, **Connery CP**, **Bhora FY**. Pericardial Fluid Cytology has a Better Diagnostic Yield than Surgical Pathology in Patients with Suspected Malignant Pericardial Effusion.
2. Latif MJ, Li X, Afthinos JN, Belsley SJ, Todd GJ, **Connery CP**, Christofidou-Solomidou M, **Bhora FY**. Flaxseed Modulates Caspase Cascade in a Mouse Model of Lung Ischemia Reperfusion Injury.
3. Astua A, Koch M, Latif MJ, Eden E, Harrison L, **Connery CP**, **Bhora FY**. Metastatic Sino-nasal Teratocarcinoma treated with Endoscopic Bipolar Electrocautery Resection.

### **ACADEMY OF SURGICAL RESEARCH 2008, USA**

1. Latif MJ, Afthinos JN, **Connery CP**, Belsley SJ, **Bhora FY**. Characterization of Domestic Swine Airway Anatomy for Surgical Research Models<sup>3</sup>

### **AMERICAN COLLEGE OF SURGEONS – SURGICAL FORUM 2008**

1. Latif MJ, Li X, Afthinos JN, Colanta A, Balderacchi A, Todd GJ, Belsley SJ, **Connery CP**, Christofidou-Solomidou M, **Bhora FY**. Inhibition of Apoptosis by Flaxseed in a Mouse Model of Lung Ischemia Reperfusion Injury.
2. Afthinos JN, Burra A, Attiyeh M, Latif MJ, **Bhora FY**, McGinty JJ, Teixeira JA, Todd GJ, Belsley SJ. Parkinsonian Movement Metrics Measured with the DaVinci Surgical Robot Correlate with Improving Surgical Coordination

### **SECOND ANNUAL SLR HOUSE STAFF RESEARCH FAIR 2008**

1. Latif MJ, Li X, Afthinos JN, Colanta A, Balderacchi J, Belsley SJ, Todd GJ, **Connery CP**, Christofidou-Solomidou M, **Bhora FY**. Inhibition of Apoptosis by Flaxseed in a Mouse Model of Lung Ischemia Reperfusion Injury.

## **SAGES 2008**

2. Afthinos JN, Burra A, Latif MJ, Attiyeh M, Li X, Fernandez J, Balaram SK, Kim G, **Bhora FY**, Teixeira JA, McGinty JJ, Tilson MD, Todd GJ, Belsley SJ. Can Parkinsonian Movement Metrics Applied to DaVinci Robot Motion Data Assess Surgical Experience?

## **MINIMALLY INVASIVE ROBOTIC ASSOCIATION 2008**

1. Afthinos JN, Latif MJ, **Bhora FY**, **Connery CP**, McGinty JJ, Burra A, Attiyeh M., Todd GJ, Belsley SJ. What technical barriers exist for real-time fluoroscopic and video image overlay in robotic surgery? Minimally Invasive Robotic Association (MIRA), January 2008, Rome, Italy
2. Latif MJ, Afthinos JN, **Connery CP**, Perin N, **Bhora FY**, Chwajol M, Todd GJ, Belsley SJ. Robotic Intercostal Nerve Graft for Reversal of Thoracic Sympathectomy: A Large Animal Feasibility Model.

## **ACADEMIC SURGICAL CONGRESS (AAS/SUS) 2008**

1. **Bhora FY**, Sagalovich D, Latif MJ, Afthinos JN, **Connery CP**. Using APACHE® III-J to Predict Outcome in Patients Undergoing Pericardial Window for Malignant Pericardial Effusion

## **CHEST 2007**

1. Chamogeorgakis TP, Anagnostopoulos C, **Bhora FY**, Toumpoulis IK, Nabong A, Kostopanagiotou G, Dosios T, Harrison L, Connery C. Does preoperative anemia affect outcome after lobectomy or pneumonectomy in early stage lung cancer patients who have not received neo-adjuvant treatment?

## **SAGES 2007**

1. Afthinos JN, Teixeira J, McGinty J, **Bhora FY**, Balaram S, Connery CP, Attiyeh M, Burra A, Nunez D, Todd G, Belsley S. How can robotics elucidate an image reversal algorithm to aid operative orientation during natural orifice endoscopic surgery?

## **MINIMALLY INVASIVE ROBOTIC ASSOCIATION 2007**

1. Tyrie L, Teixeira J, McGinty J, **Bhora FY**, Balaram S, Connery CP, Attiyeh M, Nunez D, Swistel D, Todd G, Belsley S. What are the Optical Barriers Limiting Robotic NOTES Surgery with the Da Vinci System?

## **FASEB 2007**

1. Lee JC, Solomides CC, Arguiri E, **Bhora FY**, Christofidou-Solomidou M. Dietary Flaxseed is Protective in a Murine Model of Lung Ischemia/Reperfusion Injury.

### **TÓRAX 2007**

1. Belsley SJ, **Bhora FY**, Balaram SK, Evans AJ, Ashton RC, DeRose JJ, Todd GJ, Connery CP. A Five Year Review of the Trends and Outcomes of Robotic Thoracic Surgery at a Single Institution.
2. Belsley SJ, **Bhora FY**, Balaram SK, Evans AJ, Ashton RC, DeRose JJ, Todd GJ, Connery CP. Initial Outcomes of Robotic Brachytherapy.

### **EUROPEAN ASSOCIATION OF CARDIOTHORACIC SURGERY 2006**

1. **Bhora FY**, Shuvaev V, Christofidou-Solomidou M, Kaiser L, Albelda S, Muzykantov VR. Targeting of Novel Catalase Compounds To Endothelium Protects Against Lung Ischemia/Reperfusion Injury.

### **FIRST HEALTHCARE IT CONFERENCE 2006**

1. **Bhora FY**, Kronenthal C. An interoperable EMR system for China.

### **16<sup>TH</sup> WORLD CONGRESS WORLD SOCIETY OF CARDIOTHORACIC SURGEONS 2006**

1. **Bhora FY**, Shuvaev V, Christofidou-Solomidou M, Kaiser L, Albelda S, Muzykantov VR. Targeting catalase to pulmonary endothelium protects against lung ischemia/reperfusion injury in mice.
2. **Bhora FY**, Arguiri E, Carter J, Christofidou-Solomidou M. Dietary flaxseed supplementation protects against lung ischemia/reperfusion injury in mice.

### **PUBLICATIONS**

1. Shuvaev VV, Christofidou-Solomidou M, **Bhora F**, Laude K, Cai H, Dikalov S, Arguiri E, Solomides CC, Albelda SM, Harrison DG, Muzykantov VR. Targeted detoxification of selected reactive oxygen species in the vascular endothelium. *J Pharmacol Exp Ther.* 2009 Nov;331(2):404-11.
2. Schwartz GS, Rios L, Zivin-Tutela T, **Bhora FY**, **Connery CP**. Uncommon etiology of an anterior chest wall mass. *Ann Thorac Surg.* 2009 Nov;88(5):e58-9.

3. Chwajol M, Barrenechea IJ, Chakraborty S, Lesser JB, **Connery CP**, Perin NI. Impact of compensatory hyperhidrosis on patient satisfaction after endoscopic thoracic sympathectomy. *Neurosurgery*. 2009 Mar;64(3):511-8; discussion 518.
4. Blasberg JD, Belsley SJ, Schwartz GS, Evans A, Wernick I, **Bhora FY**, **Connery CP**. Mid-term results and radiation dosimetrics for robotic brachytherapy and sublobar resection for T1 non small cell lung cancer in high risk patients. *The Annals of Thoracic Surgery*. 2009. *[In press]*
5. M. Latif, X. Li, J. N. Afthinos, A. Colanta, J. Balderacchi, G. J. Todd, S. Belsley, C. P. Connery, M. Christofidou-Solomidou, **Bhora FY**. Inhibition of Apoptosis by Flaxseed in a Mouse Model of Lung Ischemia Reperfusion Injury. *Surg Forum*, 2008.
6. John N. Afthinos, MD, Avinash Burra, MS, Marc Attiyeh, BS, M. Jawad Latif, MD, **Bhora FY**, James J. McGinty, MD, Julio A. Teixeira, MD, George J. Todd, MD, Scott J. Belsley, MD. Parkinsonian Movement Metrics Measured with the DaVinci Surgical Robot Correlate with Improving Surgical Coordination. *Surg Forum*, 2008.
7. Latif MJ, Afthinos JN, **Connery CP**, Perin N, **Bhora FY**, Chwajol M, Todd GJ, Belsley SJ. Robotic intercostal nerve graft for reversal of thoracic sympathectomy: A large animal feasibility model. *Int J Med Robot*. 2008 Sep;4(3):258-62.
8. Afthinos JN, Latif MJ, **Bhora FY**, **Connery CP**, Teixeira JA, McGinty J, Attiyeh M, Todd GJ, Belsley SJ. What technical barriers exist for real-time fluoroscopic and video image overlay in robotic surgery? *Int J Med Robot*. 2008 Dec;4(4):368-72.
9. Rosen DJ, Stavropoulos C, Travis WD, Ashton RC, **Bhora FY**, **Connery CP**. Transdiaphragmatic amyloidoma. *Ann Thorac Surg* 2008 Jul; 86(1):310-2.
10. Chamogeorgakis T, Anagnostopoulos C, Kostopanagiotou G, **Bhora F**, Toumpoulis I, Georgiannakis E, Nabong A, Dosios T, Harrison L, **Connery C**. Does anemia affect outcome after lobectomy or pneumonectomy in early stage lung cancer patients who have not received neo-adjuvant treatment? *Thorac Cardiovasc Surg*. 2008 Apr;56(3):148-53.
11. Lee JC\*, **Bhora FY\***, Sun J, Cheng G, Arguiri E, Solomides C, Chatterjee S, Chistofidou-Solomidou M. (\*Joint First Author). Dietary flax seed enhances antioxidant defenses and is protective in a mouse model of lung ischemia-reperfusion injury. *Am J Physiol Lung Cell Mol Physiol*. 2008 Feb;294(2):L255-L265.
12. Chamogeorgakis TP, **Connery CP**, **Bhora F**, Nabong A, Toumpoulis IK. Thoracoscore predicts midterm mortality in patients undergoing thoracic surgery. *J Thorac Cardiovasc Surg*. 2007 Oct;134(4):883-7.
13. Chamogeorgakis T, Anagnostopoulos CE, **Connery CP**, Ashton RC, Dosios T, Kostopanagiotou G, Rokkas CK, Toumpoulis IK. Independent predictors for early and midterm mortality after thoracic surgery. *Thorac Cardiovasc Surg*. 2007 Sep;55(6):380-4.

14. Barrenechea IJ, Fukumoto R, Lesser JB, Ewing DR, **Connery CP**, Perin NI. Endoscopic resection of thoracic paravertebral and dumbbell tumors. *Neurosurgery*. 2006 Dec;59(6):1195-201; discussion 1201-2.
15. **Connery CP**, Toumpoulis IK, Anagnostopoulos CE, Hillel Z, Rahman FG, Katritsis D, Swistel DG. Does leukofiltration reduce pulmonary infections in CABG patients? A prospective, randomized study with early results and mid-term survival. *Acta Cardiol*. 2005 Jun;60(3):285-93.