

CURRICULUM VITAE

Kemp Howard Kernstine, M.D, Ph.D.

SEPTEMBER 2012

I. EDUCATIONAL AND PROFESSIONAL HISTORY

A. **EDUCATION**

1978	B S, Chemistry (Magna Cum Laude)	Duke University, Durham, North Carolina
1982	M D	Duke University Medical School, Durham, NC
1996	Ph D, Surgery with a minor in Biometry and Anatomy	University of Minnesota, Minneapolis, Minnesota

POSTGRADUATE MEDICAL EDUCATION

1982-83	Intern, Surgery	University of Minnesota Hospitals and Clinics, Minneapolis, Minnesota
1983-85	Resident, Surgery	University of Minnesota Hospitals and Clinics, Minneapolis, Minnesota
1985-88	Research Fellow, (Artificial Organs, Oncology, Endocrinology, Trans-Plantation Research)	University of Minnesota Hospitals and Clinics, Minneapolis, Minnesota
1988-89	Senior Resident, Surgery	University of Minnesota Hospitals and Clinics, Minneapolis, Minnesota
1989-90	Chief Resident, Surgery	University of Minnesota Hospitals and Clinics, Minneapolis, Minnesota
1992-93	Chief Resident, General Thoracic	The Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts
1993-94	Resident, Cardiac Surgery	The Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts
1994-95	Fellow, Cardiothoracic Surgery	West Roxbury Veterans' Affairs Medical Center, West Roxbury, Massachusetts

CERTIFICATION

American Board of Surgery, Recertification October 19, 2001, #37889
American Board of Thoracic Surgery, Recertification, December 29, 2004, #5829

LICENSURE

Texas, permanent, May 16, 2011 #N9720 (expires 5/31/14)
California, permanent, March 3, 2004, #G87155 (Inactive)
Iowa, permanent, July 1995, #30621 (Inactive)
Massachusetts, permanent, June 1992, #76393 (Inactive)
Florida, permanent, June 1990, #57678 (Inactive)
Minnesota, permanent, August 1983, #27889 (Inactive)

OTHER

American College of Surgeons Advanced Trauma Life Support, August 1996
National Board of Medical Examiners Certificate, July 1983, #255638
Advanced Laparoscopic Training by Ethicon Endo-Surgery, June 25, 2003
Responsible Assertive Management, Engineering 885.60/Q8640, University California at Los Angeles,
Instructor Ed Lange, PhD, November 19-20, 2004
Personal Executive Coaching, Corporate Coaching International, Pasadena California; Bruce Heller Ph.D.,
Executive Coach February, 2006 to March, 2007
Leadership Course, Certificated Program, University of Texas Southwestern, September – December,
2011

B. PROFESSIONAL AND ACADEMIC APPOINTMENTS

1992-95	Instructor, Cardiothoracic Surgery, The Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts
1995-2004	Staff Surgeon, The University of Iowa Hospitals and Clinics, Department of Surgery, Iowa City, IA
1995-2004	Staff Surgeon, Veterans' Affairs Medical Center, Surgical Services, Iowa City, Iowa
1999-2004	Chief, Section of Thoracic Surgery, Division of Cardiothoracic Surgery, Department of Surgery, University of Iowa, Iowa City, IA
1995-98	Surgical Director, Lung Transplantation Program, The University of Iowa Hospitals and Clinics, Iowa City, IA
1995-2004	Surgical Director, Lung Volume Reduction Program, The University of Iowa Hospitals and Clinics, Iowa City, IA
1995-2004	Surgical Chair, Cancer and Leukemia Group B, The University of Iowa Hospitals and Clinics, Iowa City, IA
1997-2000	Critical Care Liaison, The University of Iowa Hospitals and Clinics, Cardiothoracic Division, Iowa City, IA
1995-98	Assistant Professor of Surgery, Cardiothoracic Surgery, The University of Iowa College of Medicine, Department of Surgery, Iowa City, Iowa
1998-2004	Associate Professor of Surgery, Cardiothoracic Surgery, The University of Iowa College of Medicine, Department of Surgery, Iowa City, Iowa
2004-2004	Professor of Surgery, Cardiothoracic Surgery, The University of Iowa College of Medicine, Department of Surgery, Iowa City, Iowa
2004-2010	Professor, Beckman Research Institute, Director, Department of Thoracic Surgery; City of Hope National Medical Center, Duarte, California.
2004-2010	Director, Lung Cancer and Thoracic Oncology Program; City of Hope National Medical Center, Duarte, California.
2004-2010	Chief, Division of Thoracic Surgery, City of Hope National Medical Center, Duarte, California.
2008-2009	American College of Surgeons Oncology Group Scientific Committee, Temporary Member

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2009-2011 Voluntary Clinical Professor of Surgery, University of California, San Diego, California
2010 Treasurer, Clinical Robotic Surgery Association
2008-2010 Chairman, Workforce on Research and Clinical Trials, Society of Thoracic Surgeons
2007-2011 Vice-Chairman, Surgery, Southwest Oncology Group
2007-2011 Chairman, Thoracic Surgery Subcommittee, Lung Committee, Southwest Oncology Group
2007-2011 Chairman, Malignant Pleural/Peritoneal Mesothelioma Task Force, Southwest Oncology Group
2007-2011 Vice-Chairman, Lung Committee, Southwest Oncology Group
2008- American College of Surgeons Oncology Group Representative to the National Cancer Institute, Lung Intergroup Correlative Science Committee, Cancer Therapy Evaluation Program (CTEP)
2007-2011 Executive Board Member, The International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 3-Year Term
2011- Professor of Cardiothoracic Surgery, UT Southwestern Medical Center, Dallas, TX
2011- Robert Tucker Hayes Foundation Distinguished Chair in Cardiothoracic Surgery
2011- Chairman, Division of Thoracic Surgery, University of Texas Southwestern Medical Center, Dallas, TX

PROFESSIONAL AFFILIATIONS

1977- American Medical Association
1983- Duke Alumni Association #24966
1983- American College of Surgeons, Fellow, ID #2998911
1985-2005 American Society for Artificial Internal Organs (ASAIO), ID #15091, #3210
1986-90 American Diabetes Association
1986-90 International Study Group of Diabetes Treatment with Implantable Insulin Delivery Devices (ISGIID)
1990-94 Florida Medical Society
1992-96 Massachusetts Medical Society
1995- Brigham Surgical Society
1995-2004 Unified Network for Organ Sharing
1995-2004 International Society for Heart and Lung Transplantation #12678
1995- American College of Chest Physicians, Fellow Member 1998 #173701
1995-2005 American Heart Association, Council on Cardiopulmonary and Critical Care
1995-2004 Iowa Medical Society (036-07-82-059-6)
1995-2004 Johnson County Medical Society
1996- Society of Thoracic Surgeons, Fellow Member 1998, ID#111497
1997- American Thoracic Society, ID# 00038766
1998- American College of Cardiology, Fellow Member ID #620045
1997- Duke Medical Alumni Association
1997- General Thoracic Surgical Club
1997-2004 Society for Clinical Trials
1998-2007 The American Broncho-Esophageal Association
1998- American Society of Clinical Oncology, Active Member, ID# 30017
1999- International Association for the Study of Lung Cancer
2000- The Society of Surgical Oncology, ID# 09151
2001-2004 The American College of Surgeons Oncology Group, Surgical and Principal Investigator

2004-2010 American College of Surgeons Oncology Group, Thoracic Organ Site representative to the Education Committee
2005-2010 NCCN (National Comprehensive Cancer Network) Advisory Board on Physician Communication and Marketing
2005- Esophageal Club, American College of Surgeons
2005- Southwest Oncology Group, #34919
2005- Los Angeles County Medical Association, California Medical Association, #779359
2004- International Society of Minimally Invasive Cardiothoracic Surgery (ISMICS)
2007-2011 Minimally Invasive Robotic Association
2006- 21st Century Cardiothoracic Surgical Society (21CCSS)
2007- American Association for Thoracic Surgery
2005- Western Thoracic Surgical Association (WTSA)
2009- European Society of Thoracic Surgeons
2009-2011 Clinical Robotic Surgery Association (CRSA)
2011- European Association for Cardiothoracic Surgery
2011- Dallas County Medical Society
2012- Texas Medical Association

C. HONORS AND AWARDS

1978 Phi Lambda Upsilon Honorary Chemical Society, Duke University
1978-80 Wilder Medical School Scholarship
1980-81 Howard Hughes Medical Research Fellow, Duke University
1986 Phi Kappa Phi Honor Society, Graduate School, Minnesota
1988 Travel Fellowship Award, American Society for Artificial Organs
1988 Willem J. Kolff Young Investigators Award, ASAIO, Reno, Nevada
1990 Co-Chairman for "Forms of Therapy" Session, American Diabetes Association 50th Annual Meeting, Atlanta, Georgia
2003 Brigham and Women's Hospital Thoracic Alumnus of the Year 2003
2003 Alley-Sheridan Fellow/Thoracic Surgery Foundation for Research and Education in Association with The Division of Health Policy Research and Education, Harvard University, "Skills for the New World of Health Care", Kennedy School of Government, Boston, MA. April 26 – May 4, 2003.
2005-2012 America's Top Doctors for Cancer, www.castleconnolly.com
2008-2012 America's Top Doctors
2007-2012 Pasadena Top Docs
2012 Thoracic Surgery Foundation for Research and Education, Leadership Program in Health Policy and Management, Heller School for Social Policy and Management, Brandeis University, May 20-26, 2012
2012 D Magazine 2012 Best Doctors

II. TEACHING

A. TEACHING ASSIGNMENTS

University of Iowa

Cardiothoracic Fellow assigned to General Thoracic Surgery Service (every 4 months)
General Surgery Resident, PGY-4, assigned to the General Thoracic Surgery Service (1 every 2 months)
General Surgery Resident, PGY-1, assigned to Cardiothoracic Surgery Service (every month)
General Surgery Resident, PGY-2, assigned to Cardiothoracic Surgery Service (every month)
Junior Medical Students, one student, assigned to General Thoracic Surgery Service (every six weeks)
Senior Medical Students, 1 month Sub-Internship for General Thoracic Surgery Service (upon request)

Surgery Postgraduate Course, Thoracoscopic Pulmonary Surgery Current Status (upon request)

Graduate School of City of Hope National Medical Center and Beckman Research Institute
School of Biology, Instructor
Lung Cancer Biology, Cancer Biology Graduate Course Series for Doctoral and Post-Doctoral Students
General Oncology Fellows-1-2 lectures per year

University of California of San Diego
Surgery Resident Rotation, lectures and daily contact
Director of Second-Year General Surgery Rotation, July 2005 – June, 2009

B. LECTURES

Lectures to Cardiothoracic Fellows (University of Iowa):

Weekly Cardiothoracic Morbidity/Mortality Conference
Aug. 19, 1995 Animal demonstration and lecture on Thoracoscopic Belsey Fundoplication
Sept. 23, 1995 Lung volume reduction surgery for end-stage emphysema
Dec. 16, 1995 SESATS, Preparation for Inservice, General Thoracic Surgery
5 x Weekly Cardiac Cath Review
May 1996 Review of presentations presented at the American Association for Thoracic Surgery in San Diego
June 1996 SESATS, Preparation for Inservice, General Thoracic Surgery
Aug. 24, 1996 SESATS, Preparation for Inservice, General Thoracic Surgery
Oct. 5, 1996 Empyema and Chest Infections
Nov. 16, 1996 Postoperative care and management of the general thoracic patient (with Nicholas Rossi)
Jan. 18, 1997 Esophageal anatomy, physiology and diagnosis
Feb. 1, 1997 Operative procedures for esophageal disease
Feb. 22, 1997 Carcinoma of the esophagus
May 31, 1997 The pleura and the diaphragm
June 28, 1997 Trachea
July 19, 1997 Diagnosis and staging of lung cancer
Aug. 16, 1997 Postoperative care in the general thoracic patient
Sept. 20, 1997 Congenital and inflammatory diseases of the lung
Oct. 4, 1997 Pleura and the diaphragm
Jan. 24, 1998 Inflammatory diseases of the lung
April 29, 2002 Mock Oral Exam on General Thoracic Clinical Scenarios
May 14, 2004 Monthly to Bi-Monthly Presentations on General Thoracic Topics, Medical Student Presenters
May 14, 2004 Trachea

Lectures to Perfusion Graduate Students (University of Iowa):

Nov. 95,96 Aortic valve disease
Nov. 95,96 Mitral valve disease
Nov. 95,97 Lung and heart-lung transplantation
Nov. 5, 1997 Coronary artery disease, part 1
Nov. 12, 1997 Coronary artery disease, part 2
Nov. 1997 Valve disease
Nov. 1998 Lung transplant
Nov. 3, 1999 Valve disease
Nov. 10, 1999 Lung transplantation
Nov. 1, 2000 Valve disease
Nov. 8, 2000 Valve disease/ lung transplantation
Nov. 15, 2000 Lung transplantation
Ongoing Valve Disease (Aortic and Mitral), Lung Transplantation

Lectures to General Surgery Residents (University of Iowa):

Dec. 1995 Thoracic surgery

Dec. 1996 Thoracic surgery
Dec. 1995 Clinical Indications Conference
March 1997 Lung Neoplasm
April 1997 Lung Neoplasm
April 11, 2000 Lung Neoplasm

Lectures to Junior Medical Students (University of Iowa):

1995-1998 Lung carcinoma (every six weeks)
1995-2001 Thoracic infections (every six weeks)
1995-1999 Clinical indications conference (every six weeks)
1995-2004 Case presentation (every six-twelve weeks)
1998-2004 General thoracic surgery (every six weeks)

Lecture to Physical Therapy Students (University of Iowa):

1999 Thoracic surgery (April)

Jan 11, 2006 Lung Cancer Biology Graduate School, City of Hope and Beckman Research Institute

Lectures to Cardiothoracic Fellows (University of Texas Southwestern Medical Center)

October 2011 Mock Orals for CT Residents
August 2012 Indications and Accuracy of Routine Tests in General Thoracic Surgery

C. STUDENTS SUPERVISED

(name, degree objective, outcome)

General Surgery Resident, PGY-4, assigned to the General Thoracic Surgery Service (1 every 2 months)
General Surgery Resident, PGY-1, assigned to Cardiothoracic Surgery Service (every month)
General Surgery Resident, PGY-2, assigned to Cardiothoracic Surgery Service (every month)
Junior Medical Students, one student, assigned to General Thoracic Surgery Service (every six weeks)
Senior Medical Students, 1 month Sub-Internship for General Thoracic Surgery Service (upon request)

Lindy Hruska, MD, Summer Research Student, 1997

Craig Block, Summer Research Student, 1999

Bittoo Kanwar, Summer Research Student, 1999

Wyndam Stodtbeck, Summer Research Student, 1999

Ritu Sarin, Secondary Student Training Program, Summer 1999

Anisha Desai, Secondary Student Training Program, Summer 1999

Natisha Busick, M4, Research, 1999-2000

Peter Fretz, M4, Research, 1999-2000

Jared Schenk, Engineer Student, Winter semester 2000, "Web based data mining for medical systems"

Jason Wickus, Engineer Student, Winter semester 2000, "Web based data mining for medical systems"

Cory Christianson, M2, Summer Research Student, 2000, "ARDS"

Adam Schope, M4, Senior Advisee, Sub-Internship Summer 2000, "Myasthenia gravis"

Susan Nicholas, M4, Senior Advisee, Sub-Internship Fall 2000

Jennifer Swearingen, Nurse Practitioner 2nd year, Spring, 2003

Dennia Kelsey, Nurse Practitioner 2nd year, Spring, 2003

Aisha Shaheen, Master of Health Administration 2nd year, Spring, 2005

Natalie A. Ramirez, Summer Masters Degree Research Student, Summer, 2008

Simeon Cua, Summer Research Student, Summer, 2008

Emily Andersen, Summer Research Student, Summer, 2008

Peace Eneh, Summer Research Student, Summer, 2009

D. (OTHER CONTRIBUTIONS TO INSTITUTIONAL PROGRAMS):

INSTITUTIONAL CONFERENCES, GRAND ROUNDS, JOURNAL CLUBS

1995-2004 Cardiothoracic Morbidity/Mortality Conference (weekly)

1996-2004 Gastrointestinal Malignancy Protocols for the Multi Institutional Trial Group, Cancer and Leukemia Group B (July 15)

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- 1996 Blunt trauma to the thoracic aorta (September 5)
- 1996 Journal Club, Cardiothoracic Surgery Service, Thoracoscopic lung resection with Haz El-Khatib (September 21)
- 1997 Clinical trials in General Thoracic Surgery (April 8)
- 1998 Grand Rounds in General Surgery, Trends in thoracoscopic surgery (October 13)
- 1997 ICU Nurses, Incardia octopus system for beating heart surgery coronary artery bypass grafting (November 10)
- 1998 Nursing Inservice 4RCE, Clinical trials in thoracic surgery (April 8)
- 1998 Thoracic Oncology Group, Thoracic surgical procedures (April 8)
- 1998 Nursing Inservice 4RCE, Pulmonary embolus (May 6)
- 1998 Nursing Inservice 4RCE, Thymectomy (June 3)
- 1998 Nursing Inservice 4RCE, Postoperative care issues (July 1)
- 1998 Physical Therapy Inservice, Surgical procedures in thoracic surgical patients (July 29)
- 1998 Nursing Inservice 4RCE, Tracheal papilloma disease (September 9)
- 1998 Nursing Inservice 4RCE, Thoracic CareMaps and order rationale (October 7)
- 1998 Nursing Inservice 4RCW, Flash pulmonary edema (November 4)
- 1998 Grand Rounds in General Surgery, Esophageal tumors (November 16)
- 1998 Nursing Inservice 4RCE, Talc pleurodesis (December 2)
- 1998 Nursing Inservice 4RCE, Thoracic case study: Esophageal surgery with laryngectomy & tracheostomy (February 3)
- 1999 Nursing Inservice, 4RCW, Off-pump cardiac bypass (March 10)
- 1999 Nursing Inservice, 4RCE, Lung cancer: Staging, treatment, prognosis (April 7)
- 1999 Nursing Inservice, 4RCW, Cardiac surgery: question and answer (May 5)
- 1999 Nursing Inservice, 4RCW, miscellaneous topics (August 4)
- 1999 Nursing Inservice, 4RCW, rigid bronchoscopy (September 1)
- 1999 Nursing Inservice, 4RCW, Esophageal surgery (October 6)
- 1999 Grand Rounds in General Surgery, Lung Cancer: An Update (October 18)
- 1999 Nursing Inservice, 4RCW, Esophageal surgery and lymph system in chest (November 3)
- 1999-2004 Thoracic Oncology Clinic Conference (weekly)
- 2000 Department of Nursing Services and Patient Care: Care of the Patient Undergoing Thoracic Surgery – Lung Resections (July 24 & 25)
- 2000 Department of Nursing Services and Patient Care: Care of the Patient Undergoing Thoracic Surgery – Esophageal Resections (July 24 & 25)
- 2001 Postgraduate Conference – Thoracoscopic Pulmonary Surgery: Current Status (November 15 & 16)
- 2002 Grand Rounds in General Surgery, “Selected Topics in Thoracic Aorta”. (April 22)
- 2002 Lecture to Rheumatology, “Sympathectomy for Hyperhidrosis”. (June 17)
- 2003 Neurology Grand Rounds, “Robotic Thymectomy for Myasthenia Gravis”. (August 12)
- 2003 Administrative Leadership, “Minimally Invasive Surgery and Robotics”. (June 23)
- 2005 Emerging Trends in Esophageal Cancer Treatment, Division of Surgery (May 27)
- 2005 Esophageal Cancer Biology: Overview, General Oncology Fellows (August 29)
- 2005 Lung Cancer Symposium (October 22), Symposium Director.
- 2006 Grand Rounds at University of California, Irvine, “Robotics in Thoracic Surgery.” (June 1)
- 2008 Grand Rounds Surgery, City of Hope; Robotics in Thoracic Surgery and Health Care,” (October 30)
- 2011 Surgical Services, UTSW; “General Thoracic Surgery & Minimally Invasive Surgical & Robotic Approaches.” (August 10)
- 2011 Pulmonary Faculty and Fellows, UTSW; “The Surgical Management of Lung Cancer.” (August 17)
- 2011 General Internal Medicine Grand Rounds, UTSW; “Robotics and Minimally Invasive Techniques in Chest Surgery”. (September 1)
- 2011 Division of Hematology/Oncology: Combined Modality Conference, UTSW; “Minimally Invasive Surgery and Robotic Surgical Approaches to Chest Malignancies.” (September 1)
- 2011 Anesthesiology Grand Rounds, UTSW; “Robotics in Chest Surgery.” (September 14)
- 2011 GI and Hepatology medical Science Series, UTSW; “Minimally Invasive Surgery and Robotic Surgical Approaches to Common Esophageal Problems.” (October 27)
- 2011 Neurology Grand Rounds, UTSW; “Robotic Thymectomy for the Treatment of Myasthenia Gravis.” (November 9)

- 2012 Hamon Center Lab Conference, UTSW; "Surgery to Minimize the Inflammatory Response: The Case for Minimally Invasive and Robotic Surgery for the Treatment of Lung Cancer." (January 12)
- 2012 Family Practice Residents, UTSW; "What is a General Thoracic Surgeon? Lung Cancer and Other Things Managed"(January 31)
- 2012 Pulmonary Conference, University of Texas, Southwestern Medical Center, Dallas, Texas. "Chest Tubes and Drains: Indications, Placement and Management" (July 12)

TEACHING COMMITTEES

- 1995-2002 Education Committee, Department of Surgery
- 1995-2003 Junior Medical Student Education Advisory Committee, Department of Surgery

COUNSELING

University of Iowa

- a. Preceptor for Junior Medical Students during General Surgery Rotation
- b. Preceptor for Senior Medical Students during General Thoracic Sub-internship
- c. Medical Student Advisor for students entering General Surgery

FORMAL STUDY TO IMPROVE TEACHING ABILITY

Aventis Pharmaceuticals Speaker Development Course for NSCLC, October 10, 2003.

LOCAL AND REGIONAL CME TALKS

1. *Presentation to patients and medical staff*, The University of Iowa Hospitals and Clinics, Iowa City, IA . Lung Reduction, January 1996.
2. *Alpha 1 Antitrypsin Support Group*, The University of Iowa Hospitals and Clinics, Iowa City, IA. Lung transplantation and lung reduction in Alpha 1 antitrypsin deficiency, February 1996.
3. *Operating Room Inservice*, The University of Iowa Hospitals and Clinics, Iowa City, IA. Minimally invasive coronary artery bypass surgery, April 1996.
4. *Intensive Care Unit Inservice*, The University of Iowa Hospitals and Clinics, Iowa City, IA. Minimally invasive coronary artery bypass surgery, April 1996.
5. *Nursing Workshop Continuing Medical Education*, The University of Iowa Hospitals and Clinics, Iowa City, IA. Lung Reduction, April 8, 1997.
6. *General Thoracic Nursing Inservice*, The University of Iowa Hospitals and Clinics, Iowa City, IA. Procedures in Thoracic Surgery, November 12, 1997.
7. *College of Medicine Visiting Professor Lecture*, Broadlawns Medical Center, Des Moines IA. Lung reduction, January 15, 1998.
8. *College of Medicine Visiting Professor Lecture*, Marian Health Center, Sioux City, Iowa. Lung mass: Evaluation and Treatment, February 25, 1998.
9. *College of Medicine Visiting Professor Lecture*, Northeast Iowa Family Practice Residency Program, Waterloo, Iowa. Lung Cancer: State of the art; Lung Mass: Evaluation and Treatment.
10. *Peri-Anesthesia Spring Conference*, Department of Nursing, The University of Iowa Hospitals and Clinics, Iowa City, IA. Cardiac Surgery: Off-pump coronary artery bypass surgery. Minimally invasive cardiac surgery on and off pump, May 16, 1998.
11. *Tumor Board, Finley Hospital*, Dubuque, Iowa. Multimodality treatment of non-small cell lung cancer, September 15, 1998.
12. *Physical Therapy Graduate Program – Clinical Perspectives of Pulmonary Rehab*. The University of Iowa, Coralville, Iowa. Thoracic Surgery, September 19, 1998.
13. Thoracic Oncology Conference, Department of Nursing. The University of Iowa Hospitals and Clinics, Iowa City, IA. Surgical treatment of esophageal cancer and research protocols, November 11, 1998.
14. *Thoracic Malignancies: Prevention, Early Diagnosis, and Treatment*. University of Iowa Continuing Medical Education, Iowa City, Iowa. Is there a role for surgery in advanced stage disease? March 12, 1999.

15. *32nd Annual Iowa Head and Neck Cancer and Reconstructive Surgery Course*, Iowa City, IA. Mediastinal resections, June 10, 1999.
16. *Thoracic Surgery 50th Anniversary Reunion, Scientific Session*, University of Iowa Hospitals and Clinics, Iowa City, Iowa. Thoracoscopic Surgery, Lung Reduction, Off Pump CABG, Multicenter Trials, October 8, 1999.
17. Surgery Postgraduate Course, University of Iowa Hospitals and Clinics, Iowa City, Iowa. Thoracoscopic Pulmonary Surgery Current Status, November 16, 2001.
18. Lung Cancer Surgery, Lung Cancer Symposium. Presented by Daniel DeArmond, written by Kemp Kernstine. Director Gerald Clamon, M.D. University Iowa Hospitals & Clinics, November 7, 2003.
19. Thoracic Sympathectomy, University of Iowa Hospitals and Clinics, Department of Dermatology, Iowa City, Iowa, February 26, 2004.
20. Robotics in Thoracic Surgery. In 2004 Surgical Update Conference. Iowa City, Iowa, March 24, 2004.
21. Postoperative Management of the Thoracic Surgical Patient. 2004 Heart and Lung Clinic Cardiothoracic Update. St. Alexius Medical Center, PrimeCare. Bismarck, North Dakota, October 30, 2004.
22. Management of Lung Cancer. 2004 Heart and Lung Clinic Cardiothoracic Update. St. Alexius Medical Center, PrimeCare. Bismarck, North Dakota, October 30, 2004.
23. Management of Esophageal Cancer. 2004 Heart and Lung Clinic Cardiothoracic Update. St. Alexius Medical Center, PrimeCare. Bismarck, North Dakota, October 30, 2004.
24. A Multidisciplinary Approach to the Management of Early Stage (NSCLC). City of Hope National Medical Center, CME, Visitor's Center, March 3, 2005.
25. Robotics in Medicine. Community Memorial Hospital, March 15, 2005.
26. Robotics in Medicine, Los Robles Regional Medical Center, July 8, 2005.
27. Minimally Invasive Thoracic Surgery. Encino-Tarzana Regional Medical Center, July 26, 2005.
28. Is There a Role for Surgery in Advanced Lung Cancer? An Evidence-Based Approach to the Successful Multidisciplinary Treatment of Lung Cancer. Cooper Auditorium. City of Hope National Medical Center. Duarte, California, October 22, 2005.
29. Intuitive Surgical Conference on the future of Robotic Thoracic Surgery: Robotic Esophagectomy, November 7, 2005.
30. Minimally Invasive and Robotic Surgery in the Chest, Beverly Hospital, November 18, 2005.
31. Robotics in Medicine. Valley Presbyterian Hospital. Van Nuys, California, January 24, 2006.
32. Minimally Invasive and Robotic Thoracic Surgery at the City of Hope. Alliance Digestive Diseases. Maison Akira, Pasadena, California February 23, 2006.
33. Robotics in Medicine. St. Vincent's Hospital, Los Angeles, California, May 18, 2006.
34. Adjuvant Chemotherapy. W Paul Bunn. Stakeholder's Meeting, Scientific Leadership Council, Lung Cancer. Oriental Mandarin Hotel, Washington, DC, May 23, 2006.
35. Women and Lung Cancer. Queen of the Valley Medical Center. Beverley, California. August 7, 2006.
36. Combined Modality Treatment for Lung Cancer. Kaiser Permanente Sunset Medical Center, Los Angeles, California, September 12, 2006
37. Robotic Esophagectomy, Operating Room Nurses Inservice. City of Hope Medical Center, Duarte, California October 4, 2006.
38. Current Trends in the Diagnosis, Staging and Treatment of Lung Cancer. Henry Mayo Medical Center. Santa Clarita, California November 16, 2006.
39. Robotics in Chest Surgery. Thoracic Oncology Symposium: Current Methods of Diagnosis, Staging and Treatment. Cooper Auditorium. Duarte, California December 2, 2006
40. Lung Cancer Update 2007. Rancho Los Amigos Medical Center, Downey, California October 4, 2007
41. Lung Cancer Update 2007. Anaheim General Hospital. Anaheim, California. January 10, 2008.
42. Current Trends in Surgery for Lung Cancer. Lung Cancer in Women Conference. City of Hope Visitor's Center. January 10, 2008.
43. Lung Cancer Update 2009. Providence Tarzana Medical Center, Tarzana, California, January 13, 2009.
44. Adjuvant Therapy for NSCLC: Implications for Long-Term Follow-up. Current Trends in Lung Cancer and Head & Neck Cancer. New York Marriott Downtown, New York, New York, February 14, 2009.

45. Update: Multimodality Treatment for Esophageal Cancer. Visitor's Center, City of Hope Medical Center.
46. Robotics in Thoracic Surgery. Annex Building Conference Room, Dameron Hospital, Stockton, California, September 4, 2009.
47. Robotic Surgery. Continuing Medical Education. Valley Presbyterian Medical Center Auditorium, Van Nuys, California, January 12, 2010.
48. Lung Mass Evaluation. Kaiser Internal Medicine Grand Rounds. Kaiser Panorama City, Conference Room B North Side II Building, Panorama, California, January 13, 2010.
49. Minimally Invasive Surgery for Upper Gastrointestinal Tract: Esophagectomy. 7th Annual City of Hope Conference in Multidisciplinary Treatment of Gastrointestinal Neoplasms. Platt III Conference Room, City of Hope Medical Center, Duarte, California, February 25, 2010.
50. Lung Cancer and Other Thoracic Malignancies, New Advances in Surgery: The Era of Minimal Access. Continuing Medical Education. UT Southwestern Medical Center, Dallas, Texas, March 24, 2012.
51. Moncrief Cancer Institute: Minimally Invasive Techniques for Lung Cancer. Fort Worth, Texas, June 12, 2012.
52. Cancer Center Conference at Texas Health Harris Methodist Fort Worth Hospital. Lung Cancer Evaluation, Diagnosis and Treatment. Fort Worth, Texas, June 13, 2012.

OTHER

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| 1997-98 | Originator and Member, Cardiovascular Thoracic Surgery Clinical Management Council |
| 1997-2004 | Created and managed a medical student fourth-year rotation in General Thoracic Surgery |
| 1997-2000 | Assisted in preparation of core curriculum for Thoracic Surgery trainees |
| 1998-2000 | Co-Coordinated a Thoracic Outlet Protocol with the Thoracic Service, Department of Neurology, Physical Therapy, and Pain Service. To rapidly evaluate consultation patients with Thoracic Outlet Syndrome and to minimize the number of visits to this facility (March-April) |
| Aug, 2004 | Co-Director of the Society of Thoracic Surgeons Clinical Research Training Program. |
| Oct 22, 2005 | Course Director, An Evidence-Based Approach to the Successful Multidisciplinary Treatment of Lung Cancer. Cooper Auditorium. City of Hope National Medical Center. Duarte, California |
| Dec 2, 2006 | Course Director, An Evidence-Based Approach to the Successful Multidisciplinary Treatment of Lung Cancer. Cooper Auditorium. City of Hope National Medical Center. Duarte, California |

III. SCHOLARSHIP

A. **PUBLICATIONS OR CREATIVE WORKS** (least to most recent)

PEER REVIEWED PAPERS

1. Swain JL, **Kernstine KH**, Schirmer BD, Greenfield Jr JC. Effect of propranolol on myocardial blood flow during transient ischemia in the awake dog. *Trans of the AAP* 42:148-159, 1979.
2. Sabina RL, **Kernstine HK**, Boyd RL, Holmes EW, Swain JL. Metabolism of 5- amino-4-imidazole carboxamide riboside in cardiac and skeletal muscle: effects on purine nucleotide synthesis. *J Phys Chem* 257:10178-10183, 1982.
3. Maier GW, Tyson GS, Olsen CO, **Kernstine KH**, Murrah R, Rankin JS, Sabiston Jr. DC. Optimal techniques of external cardiac massage. *Surgical Forum* 33:282-285, 1982.
4. Maier GW, Tyson Jr GS, Olsen CO, **Kernstine KH**, Davis JW, Conn EH, Sabiston Jr SC, Rankin JS. The physiology of external cardiac massage: High-impulse cardiopulmonary resuscitation. *Circulation* 70:86-101, 1984.
5. **Kernstine KH**, Kryjeski SR, Wigness BD, Rohde TD, Dorman FD, Chute EP, Rupp WM, Buchwald H. Implantable continuous intravenous insulin infusion device: restoration of flow after slow-down. *Trans Am Soc Intern Organs* 32:511-514, 1986.
6. Buchwald H, Chute EP, **Kernstine KH**, Rupp WM, Dorman FD, Goldenberg FJ, Rohde TD. Implantable insulin infusion devices. *Progress in Artificial Organs*, 1986: 640-646.

7. Chute EP, Rohde TD, Goldenberg FJ, Hichcock CR, **Kernstine KH**, Rupp WM, Buchwald H. Forty-one insulin pump implantations and low morbidity. *Progress in Artificial Organs*, 1986: 658, 661.
8. Rohde TD, **Kernstine KH**, Wigness BD, Kryjeski SR, Dorman FD, Goldenberg FJ, Buchwald H. Improved glycerol/insulin formulation for use in implantable pumps. *Trans Am Soc Intern Organs* 10:316-318, 1987.
9. **Kernstine KH**, Kryjeski SR, Rohde TD, Goldenberg FJ, Buchwald H. Multiple regression analysis to identify factors important for maintaining insulin pump therapy. *Trans Am Soc Intern Organs* 10:463-471, 1987.
10. Buchwald H, Rohde TD, **Kernstine KH**. Insulin delivery by implanted pump: a chronic treatment for diabetes. *Trans Am Soc Intern Organs* 35:5-7, 1989.
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 - Lung Tumors: A Multidisciplinary Database: Case Study 13 (Chondrosarcoma)
 - Lung Tumors: A Multidisciplinary Database: Case Study 14 (Lymphoma)
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66. Lou J, **Kernstine K**, Zhong L. Autoantibody profiles can detect early non-small cell lung cancer. World Lung Cancer Congress. 2009, San Francisco, California.

67. Bennett WP, Larson G, Xiong W, Rivas G, **Kernstine KH**, Pfeifer GP. Methylation Analysis of Lung Cancers from Smoking and Nonsmoking Women. [abstract] In: Proceedings of the 99th Annual Meeting of the American Association for Cancer Research; 2008 Apr 12-16; San Diego, CA. Philadelphia (PA): AACR; 2008.
68. Bennett WP, Larson G, Xiong W, Rivas G, **Kernstine KH**, Pfeifer GP. Methylation Analysis of Lung Cancers from Smoking and Nonsmoking Women. *Proc. Am. Assoc. for Cancer Res.*, 49:7, 2008
69. Zer C, Dong X, **Kernstine K**, Zhong L. Assessment of serum concentrations of Dkk1 as potential biomarker for esophageal squamous cell carcinoma. American Society for Clinical Oncology, June, 2009 J Clin Oncol 27, 2009 (suppl; abstr e15675)
70. Ninan M, Wu JT, Allen JW, Faroo A, **Kernstine K**, Osarogiagbon R. Objective review of surgeon reported lymph node dissection after resection of lung cancer in a US metropolitan area. 13th World Congress on Lung Cancer, San Francisco, California, August, 2009.
71. Mckenzie SP, Artinyan A, Mailey B, Metchikian M, **Kernstine KH**, Kim J. The benefit of surgical resection in the multimodality management of esophageal cancer. American Society for Clinical Oncology 2010 Gastrointestinal Cancers Symposium (January 22 - 24, 2010)
72. Zhong L, Zer C, Wang H, Shen WK, **Kernstine, KH**. Autoantibodies as screening biomarkers for esophageal squamous cell carcinoma. The ASCO 2010 Annual Meeting, June 4-8, 2010, Chicago, Illinois.
73. Bepler G, Moon J, Zinner R, Calhoun RF, **Kernstine KH**, Williams CC, Mack PC, Oliveira V, Gandara DR. Biomarker (ERCC1 and RRM1)-based decision-making algorithm for adjuvant chemotherapy in stage I non-small-cell lung cancer (NSCLC) (SWOG-0720, NCT00792701). Abstract #84878 American Association of Clinical Oncology (ASCO); June 4-11, 2011; Chicago, Illinois2011.

REVIEWS

2004 Doody Publishing. *Malignant Tumors of the Lung*. Sculier and Fry editors. Springer-Verlag..

OTHER

1. **Kernstine KH**, Boeve TJ, Widmann M, Verhofste MA. Film: Complete thoracoscopic right upper lobectomy. *American College of Surgeons, Committee on Medical Motion Pictures*. Jan. 1999.
2. **Kernstine KH**, Nemer D. Film: Robotic Esophagectomy: City of Hope Method. Presented at *Tech Con for the Annual Society of Thoracic Surgeons*, Chicago, Feb. 2006.
3. Anderson CA, Falabella A, **Kernstine KH**. Robotic-Assisted Lobectomy. American College of Surgeons Clinical Congress. Section of Cardiothoracic Movies. New Orleans, Louisiana *American College of Surgeons, Committee on Medical Motion Pictures*. October 8, 2007.

B. AREAS OF RESEARCH INTEREST

Evaluation, early detection and treatment of lung and esophageal malignancy
Molecular biological features of lung and esophageal malignancy
Surgical treatment of end-stage emphysema
Minimally invasive and robotic thoracic surgery
Continuous regional and systemic infusion therapy
Tracheal surgery

CURRENT PROJECTS

Atlas of Robotic Cardiothoracic Surgery, Springer Publishing, London Randall Chitwood and Kemp Kernstine.

American College of Surgeons Protocol Z4092, Autoantibodies and Methylation Markers in Blood Samples From Stage I NSCLC Cases and Controls (Correlative Science for ACOSOG Z4031).

Principle Investigator: Kemp H. Kernstine, MD, PhD

Co-Principle Investigators: Gerd Pfeifer, PhD; Li Zhong, PhD; William Bennett, MD; Yesim Aydin-Son, MD PhD

Southwestern Oncology Group Protocol 0720, Phase II Pharmacogenomics-Based Adjuvant Therapy Trial in Patients with Non-Small Cell Lung Cancer (NSCLC)

SWOG Principle Investigator: Gerald Bepler, MD, PhD, Moffitt Cancer Center

National Surgery Study Co-Coordinator: Kemp Kernstine MD PhD

D. **GRANTS RECEIVED**

FEDERAL

Southwest Oncology Group Operations Office Grant 30-954822

National Cancer Institute

\$12,583

January 1, 2008 to December 31, 2010

Principal Investigator: Kemp H. Kernstine, MD, PhD

2.5% Salary Support

1-PO1 FWA00000692 (PI: Ferrell BR)

Funding Agency: National Institutes of Health

Palliative Care for Quality of Life and Symptom Concerns in Lung Cancer

12-1-08 to 11-30-13

Direct Costs \$8,735,359 (10% Effort)

Role: Co-Principal Investigator and Project Leader

R21CA143583 (PI: Binghui Shen, PhD)

Direct cost \$275,000

12/01/09 - 11/30/11

Lung and other cancer etiological model of BER gene polymorphisms

In this exploratory grant application we propose to determine if prevalent polymorphisms found in Base Excision Repair (BER) pathway genes contribute to predisposition of a high incidence of cancers in knock-in mouse models, spontaneously and under induction of environmental insults.

Co-Principal Investigator

Image and model based analysis of lung diseases

US PHS-National Institute of Health, ID# 1 RO2YHL64369-01

\$8,270,875

12/99-1/04

Principal Investigator: Eric Hoffman, PhD

Co-Investigator: Kemp H. Kernstine, MD, PhD

10% Salary Support

FDG-PET Imaging of Esophageal Carcinoma Response to Therapy

NIH/NCI (National Cancer Institute), RO1 CA74959

\$147,583

9/1/00-6/30/04

Principal Investigator: Michael Graham, MD, PhD

Co-Investigator: Kemp H. Kernstine, MD, PhD,

9% Salary Support

High-priority minimally invasive surgical protocols.

National Cancer Institute, Cancer and Leukemia Group B.

\$20,000-\$50,000/yr

7/1/96-6/30/01

Principal Investigator: Kemp H. Kernstine, MD, PhD

University of Iowa Institutional Grant, Cancer and Leukemia Type B

National Cancer Institute

\$1,084,619

11/98-10/03

Principal Investigator: Gerald Clamon, MD

Co-Investigator: Kemp H. Kernstine, MD, PhD

U10 Cancer and Leukemia Group B Surgery Modality Grant

National Cancer Institute

\$18,476

6/15/98-3/31/99

Principal Investigator: Kemp H. Kernstine, MD, PhD

University

Office of Provost

University Video Center

Techniques in Cardiothoracic Surgery

\$26,000

Fall, 2003 to Fall, 2004

Principal Investigator: Kemp H. Kernstine, MD PhD

Industry

Bristol-Myers Squibb

"Thoracic Malignancies" Conference

\$47,350

April, 1999

Director: Kemp H. Kernstine, MD PhD,

Ethicon Endo-Surgery, Inc.

Advanced Training in Thoracoscopic Surgery

\$20,000

July, 2003

Director: Kemp H. Kernstine, MD PhD,

Private Donation

Gronich Family Research

\$750,000

November, 2007

City of Hope Lung Cancer and Thoracic Oncology Program (LCTOP)

Family of Gilbert Lefebure

Research or Equipment for Diagnosis and Treatment of Cancer

\$335

January 21, 2000

Kemp H. Kernstine, MD PhD

Gustafson Family, John and Helen Gustafson of Des Moines

To Nicholas Rossi Professorship in Cardiothoracic Surgery

\$26,500 Annuity

2001

Kemp H. Kernstine, MD PhD

Barbara S. Reaves

Thoracic Oncology and Bladder Cancer Research, Shared with Michael O'Donnell

\$50,000

August 20, 2003

Kemp H. Kernstine, MD PhD

COLLEGE OF MEDICINE

Thoracic Oncology Service Clinical Initiative

UIHC/COM Clinical Enterprise
\$1,428,326
7/1/98-6/30/03
Kemp H. Kernstine, MD, PhD, Co-Director

Esophageal Cancer: Virtual Hospital
College of Medicine
Brenton Harris, Summer Research Student 1998
\$1,959
(8 weeks)
Kemp H. Kernstine, MD, PhD, Principal Investigator

Off-pump coronary artery bypass, Virtual Hospital Tutorial
College of Medicine
Craig Block, M1, Summer Research Student, 1999
\$3,672
(12 weeks)
Kemp H. Kernstine, MD, PhD, Principal Investigator

Lung Transplantation: Virtual Hospital Resource
College of Medicine
Bittoo Kanwar, M1, Summer Research Student, 1999
\$3,672
(12 weeks)
Kemp H. Kernstine, MD, PhD, Principal Investigator

Transthoracic approach to anterior thoracic vertebral column pathology: A guide for patients and providers.
College of Medicine
Wyndam Strodbeck, M1, Summer Research Student, 1999
\$3,672
(12 weeks)
Kemp H. Kernstine, MD, PhD, Principal Investigator

Post Lung Resection ARDS
College of Medicine
Cory Christiansen
\$3,672
(12 weeks)
Kemp H. Kernstine, MD, PhD, Principal Investigator

OTHER

National Comprehensive Cancer Center Network, Non-Small Cell Lung Cancer Database
Clinical Research Associate Support
November 1, 2007 – October 31, 2009
Kemp H. Kernstine, MD, PhD, Principal Investigator
\$100,000

A prospective study of the prognostic significance of occult metastases in the patient with resectable non-small cell lung cancer.
NIH - American College of Surgeons Oncology Group / Duke University
Site 107, Sequence number: A211400
\$39,000
1/1/2001 – 12/31/2002
Kemp H. Kernstine, MD, PhD, Principal Investigator

Thoracic Malignancies – prevention, early diagnosis, and treatment.
A continuing medical education conference sponsored by Bristol Myers-Squibb
\$47,350
March 12-13, 1999

Kemp H. Kernstine, MD, PhD, Principal Investigator

Multicenter phase II trial of taxotere/cisplatin followed by surgery and radiation in patients with non-small cell lung cancer.

Rhone-Pulenc Rorer Pharmaceuticals, Inc., RP 56976-TAX 711, IND 35,555

\$2,500/per patient entry

5/96-5/02

Gerald Clamon, MD, Principal Investigator

Study of Code 7227 as a magnetic resonance imaging agent for evaluating lymph nodes.

Advanced Magnetics, Inc

\$ 250/per patient entry

2/97 – 12/98

William Stanford, MD Principal Investigator

Kemp H. Kernstine, MD, PhD, Co-Investigator

Methylation Biomarkers for Detecting Early Lung Cancer

Overlap: This proposal overlaps similar applications to the Cancer Research and Prevention Foundation, NCI and the University of California's tobacco research program (15IT-0213).

Better World Together Foundation

Annual Direct Costs: \$50,000

10/01/2006 to 09/30/2007

William Bennett, MD Principal Investigator

Kemp H. Kernstine, MD PhD Co-Principal Investigator

CLINICAL TRIALS

1. Robotic-assisted lung resection for malignant disease. COH IRB 07029
Sponsor: Institutional
Budget: Institutional
Investigator: Kemp H. Kernstine, M.D., Ph.D.
2. OSI RADIANT: A multi-center, randomized, double-blind, placebo-controlled, Phase III study of single-agent Tarceva[®] (Erlotinib) following complete tumor resection with or without adjuvant chemotherapy in patients with stage IB-IIIa non-small cell lung carcinoma who have EGFR-positive tumor.
Sponsor: OSI
Budget: \$1500 per patient
Investigator: Kemp H. Kernstine, M.D., Ph.D.
3. Quality-of-Life, Symptoms and Quality-of-Care in Lung Cancer: Program Project Grant Supported
Principle Investigator: Betty Ferrell, RN, PhD
Project Leader: Kemp H. Kernstine, M.D., Ph.D.
4. Southwestern Oncology Group Protocol 0229, A Randomized Trial Assessing the Effects of Exercise on Patients with Locally Advanced Lung Cancer Undergoing Curative Intent Combined Modality Therapy
Principle Investigator: Kemp Kernstine MD PhD
5. Use of proteomic analysis of serum samples for detection of non-small cell lung cancer, American College of Surgeons Oncology Group (ACOSOG) Protocol # Z4031.
Sponsor: American College of Surgeons Oncology Group
Budget: \$1500 per patient
Investigator: Kemp H. Kernstine, M.D., Ph.D.
6. A randomized phase III study of sublobar resection versus sublobar resection plus brachytherapy in high-risk patients with non-small cell lung cancer, , American College of Surgeons Oncology Group (ACOSOG) Protocol # Z4032.
Sponsor: American College of Surgeons Oncology Group

- Budget: \$1500 per patient
Investigator: Kemp H. Kernstine, M.D., Ph.D.
7. A randomized trial assessing the effects of exercise on patients with locally advanced lung cancer undergoing curative intent combined modality therapy.
Sponsor: Southwest Oncology Group
Budget: \$1200 per patient
Investigator: Kemp H. Kernstine, M.D., Ph.D.
8. A phase III randomized, parallel, double-blind, multi-center, placebo-controlled study of the effect of Pexelizumab on all-cause mortality and myocardial infarction in patients undergoing coronary artery bypass graft (CABG) surgery with cardiopulmonary bypass.
Sponsor: Alexion Pharmaceuticals, Proctor & Gamble
Budget: \$7,000 per patient
Investigator: Jeffrey Everett, M.D.
Co-investigator: Kemp H. Kernstine, M.D., Ph.D.
9. Clinical protocol for a double-blind multicenter study of the safety and efficacy of Parecoxib followed by Valdecoxib compared to placebo for treatment of post-surgical pain in patients who have coronary bypass graft via Median Sternotomy. (PARA-0505-071/17 Pharmacia).
Sponsor: Pharmacia
Budget: \$7,000 per patient
Investigator: Jeffrey Everett, M.D.
Co-investigator: Kemp H. Kernstine, M.D., Ph.D.
10. A phase III, multi-center randomized, double-blind, placebo-controlled trial of the Ex-Vivo treatment with CGT003 of coronary vein grafts in patients undergoing coronary artery bypass graft procedures.
Sponsor: Corgentech
Budget: \$4,725 per patient
Investigator: Jeffrey Everett, M.D.
Co-investigators: Kemp H. Kernstine, M.D., Ph.D.
Wayne E. Richenbacher, M.D.
11. A Phase II, multi-center, double-blinded, placebo-controlled, dose-finding efficacy and safety study of the A1-Adenosine receptor agonist DTI-0009 administered intravenously to patients with atrial fibrillation (IND#58, 614).
Sponsor: Aderis Pharmaceuticals
Budget: \$3,583 per patient
Investigator: Jeffrey Everett, M.D.
Co-investigator: Kemp H. Kernstine, M.D., Ph.D.
12. European Society of Thoracic Surgery (ESTS) Thymoma Retrospective Database. UTSW, IRB 94568
Sponsor: Institutional
Budget: Institutional
Investigator: Kemp H. Kernstine, M.D., Ph.D.
13. The International Association for the Study of Lung Cancer (IASLC) Prospective Malignant Pleural Mesothelioma Staging Project. UTSW, IRB 93392
Sponsor: Institutional
Budget: Institutional
Investigator: Kemp H. Kernstine, M.D., Ph.D.
14. RTOG 1010, which adds trastuzumab to radiation + carbo/taxol in the neoadjuvant treatment of esophageal/GE junction adenocarcinomas for HER2-overexpressing tumors.
Sponsor: Institutional
Budget: Institutional
Investigator: Kemp H. Kernstine, M.D., Ph.D.

15. Southwestern Oncology Group, "Phase II Pharmacogenomics-Based Adjuvant Therapy Trial in Patients with Stage I Non-Small Cell Lung Cancer (NSCLC) – S0720
Study Coordinator (Surgery) Kemp Kernstine, M.D., Ph.D.

E. **INVITED LECTURES**

1. **Alpha Omega Alpha Symposium**, Duke University, Durham, North Carolina. Metabolism of 5-amino-4imidazole carboxamide riboside in cardiac muscle, Spring, 1981.
2. **Alpha Omega Alpha Symposium**, Duke University, Durham, North Carolina. Components of direct cardiac compression during external cardiac compression in the intact dog, Spring 1982.
3. **Surgical Residents Research Symposium**. Minneapolis, Minnesota. Continuous intravenous cyclosporine infusion for the management rejection, June 1986.
4. **International Study Group for Implantable Insulin Devices**, Cohasset, Massachusetts. (1) Restoration of flow from implantable intravenous infusion devices, and (2) Optimal placement of the intravenous infusion catheter for continuous intravenous infusion, September 1986.
5. **International Study Group on Diabetes Treatment with Implantable Insulin Delivery Devices (ISGIID)**, Ft. Lauderdale, Florida. (1) Long term results of continuous intravenous insulin infusion in 41 patients, and (2) Comparison of intravenous and intraperitoneal insulin infusion in the dog: which is superior for long-term infusion?, June 1988.
6. **Cardiostim**, Monte Carlo, Monaco. The economic impact of implantable insulin devices on health care systems, June 1988.
7. **Governor's Conference on Iowa's Emerging Health Issues**, Drake University, Des Moines, Iowa. Comprehensive lung cancer treatment for Iowan's, June 5-6, 1997.
8. **The Lung Cancer Patient and Family Support Group**, Iowa City, Iowa. Fact of Fiction: Lung cancer prevention and treatment, August 24, 1998.
9. **Surgery Post Graduate Conference**, Iowa City, IA. Lung Cancer: Current surgical treatment and investigation. October 8, 1998.
10. **The University of Iowa Hospitals and Clinics Internal Medicine Research Day**, Iowa City, Iowa. PET-FDG imaging in the diagnosis of solitary pulmonary nodules (SPN) and mediastinal staging of non-small cell pulmonary malignancies. DR Croft, K Kernstine, February 18, 1999.
11. **Iowa City Rotary Club**, Iowa City, IA. Thoracic surgery and the Thoracic Oncology Services, Iowa City, IA. March 20, 1999.
12. **New Equation for the Health Professionals Conference**, University of Iowa Hospitals and Clinics, Iowa City, IA. Formal Methods for Medical Decision Support. Kusiak A, Kern JA, Kernstine KH. March 1999.
13. **National Library of Medicine**, Washington, DC. Active Web pages, HII99: Improving Health in a digital world Conference. Kusiak A, Kern JA, Kernstine KH. April 1999.
14. **Presentation to the Board of Regents for the State of Iowa**, Des Moines, IA. Thoracic Oncology Service at the University of Iowa Hospitals and Clinics. July 15, 1999.
15. **Oncologists of the Quad-Cities**, Davenport, IA. Management non-small cell lung cancer. July 28, 1999.
16. **Northern Illinois Cancer Treatment Center 10th Anniversary**, Dixon, IL. Lung Cancer's different stages and the different stages of treatment. October 5, 1999.
17. **Iowa City Town Meeting – Clearing the Air**, Iowa City, IA. Town meeting discussion on environmental tobacco smoke and its effects. Caring for victims of both active and passive smoking. October 28, 1999.
18. **Iowa United Auto Workers State C.A.P.**, Des Moines, IA. Thoracic Oncology Service at the University of Iowa Hospitals and Clinics. October 29, 1999.
19. **National Smoke Out Symposium**, Coralville, IA. Lung Cancer in 1999. November 18, 1999.
20. **West High School Presentation**, Iowa City, IA. Teens and Tobacco: Dodging the Nations Leading Cause of Death, Iowa City, IA, February 9, 2000.
21. **Hematology Oncology Grand Rounds**, Iowa City, IA. Discovery of Medical Knowledge: A Data Mining Approach. March 29, 2000.
22. **2000 Surgical Update for Nurses**, Iowa City, IA. Presentation to 140 nurses – Esophageal Surgery, March 29, 2000.
23. **2000 Scofield Advanced Oncology Nursing Conference**, Iowa City, IA. Lung Cancer Update. April 5, 2000.

24. **HLV High School Presentation**, Victor, IA. Teens and Tobacco: Dodging the Nations Leading Cause of Death. April 26, 2000.
25. **Oncology Grand Rounds at the University of Wisconsin Hospitals and Clinics**. Madison, Wisconsin. The Development of the General Thoracic Surgery Service at the University of Iowa Hospitals and Clinics 1995-2000. June 7, 2000.
26. **Clean Air for Everyone Campaign – Smoke Free Johnson County**. Coralville, Iowa. Working together to have smoke-free public places: Effects of environmental tobacco smoke and it's effects. August 31, 2000.
27. **Surgical Grand Rounds Christiana Healthcare**. Wilmington, Delaware. The Development of the Thoracic Surgery Service at the University of Iowa Hospitals and Clinics 1995-2001. February 14, 2001.
28. **National Kick Butts Day**. Brooklyn, IA. BGM High School Presentation. Teens Against Tobacco. April 4, 2001.
29. **Society of Thoracic Surgeons Clinical Research Training Program: A Project of the Workforce on Clinical Trials**. Cancer and Leukemia Group B Fall Group Meeting, Scottsdale, AZ. November 22, 2003.
30. **Robotics in Thoracic Surgery**. City of Hope National Medical Center, Duarte, CA. December 2, 2003.
31. **Robotic Esophagectomy: Lessons Learned to Date**. Annual Minimally Invasive Esophagectomy Course, University of Pittsburgh Medical Center, Biomedical Sciences, Pittsburgh, PA. December 5, 2003.
32. **Robotic Esophagectomy: The Minimally Invasive Three-Field Esophagectomy for Cancer**. With Nicholas Rossi, MD. Veterans Administration Hospital, Iowa City, Iowa. December 11, 2003
33. **Society of Thoracic Surgeons Clinical Research Training Program: A Project of the Workforce on Clinical Trials**. American College of Surgeons Oncology Group Semiannual Meeting, Miami Beach, FL. January 9, 2004.
34. **Robotic Thymectomy: Lessons Learned**. Division of Thoracic Surgery, Columbia University, New York, NY. April 9, 2004.
35. **Emerging Trends in the Treatment of Esophageal Cancer**. Conference on Gastrointestinal Malignancies. City of Hope National Medical Center, CME, San Diego, California, September 17, 2004.
36. **Management of the Thoracic Surgical Patient**. St. Alexius Medical Center, PrimeCare, Bismarck, North Dakota. October 30, 2004.
37. **Staging of Lung Cancer**. St. Alexius Medical Center, PrimeCare, Bismarck, North Dakota. October 30, 2004.
38. **Surgical Management of Esophageal Cancer**. St. Alexius Medical Center, PrimeCare, Bismarck, North Dakota. October 30, 2004.
39. **A Multidisciplinary Approach to the Management of Early Stage (NSCLC)**. City of Hope National Medical Center, CME, Visitor's Center, Duarte, California, March 3, 2005.
40. **Evaluation and Surgical Treatment of Esophageal Cancer**. Division of Surgery. City of Hope National Medical Center. Duarte, California. April 27, 2005.
41. **Robotics in Medicine**. Community Memorial Hospital. Ventura, California. March 15, 2005.
42. **Robotics in Medicine**. Los Robles Regional Medical Center. Los Robles, California. July 8, 2005.
43. **Minimally Invasive Thoracic Surgery**. Encino-Tarzana Regional Medical Center, Tarzana, California. July 26, 2005.
44. **Lung Cancer: Current Evaluation, Treatment and Study**. Chinese Celebration, Cooper Auditorium, Duarte, California, October 15, 2005.
45. **“Breathe for Hope” – Community Education Event About Smoking and Lung Cancer**. Cooper Auditorium, Duarte, California, November 9, 2005.
46. **Minimally Invasive and Robotic Surgery in the Chest**. Beverly Hospital, Montebello, California, November 18, 2005.
47. **Robotics in Medicine**. Valley Presbyterian Hospital, Van Nuys, California, January 24, 2006.
48. **Research in Chest Malignancies**. Pasadena, California, February 26, 2006.

49. **Robotic Esophagectomy.** The Management of Complex Esophageal Diseases. Charles G. Watson Surgical Education Center. University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania July 11, 2007.
50. **Lung Cancer Program Today.** The National Insurance Industry Spirit of Life Tour. Visitors' Center. City of Hope Medical Center. Duarte, California. August 16, 2007.
51. **Research in Lung Cancer at City of Hope.** Tri-State Labor and Management Council of Philadelphia Tour. Visitors' Center. City of Hope Medical Center. Duarte, California. August 24, 2007.
52. **Thoracic Surgical Clinical Trials for the Southwest Oncology Group.** General Thoracic Surgery Club 21st Annual Meeting. Rancho Bernardo Inn, Rancho Bernardo, California, March 13, 2008.
53. **Panel Leader for Clinical Trial Presentations and Discussant for GlaxoSmith Kline MAGRIT Trial.** General Thoracic Surgery Club 21st Annual Meeting. Rancho Bernardo Inn, Rancho Bernardo, California, March 13, 2008.
54. **Thoracic Surgery and Mesothelioma Clinical Trials.** Southwest Oncology Group (SWOG) Spring Meeting. Hyatt Regency, Atlanta, Georgia May 3, 2008.
55. **Thoracic Surgery and Mesothelioma Clinical Trials.** Southwest Oncology Group (SWOG) Fall Meeting. Hyatt Regency, Chicago, Illinois November 1, 2008.
56. **Update on Southwest Oncology Group Thoracic Surgical Trials.** Robert Ginsburg Clinical Trials Symposium. General Thoracic Surgical Club. Don Cesar Beach Club Resort, St. Petersburg, Florida, March 12, 2009.
57. **Film on Robotic Lobectomy.** General Thoracic Surgical Club. Don Cesar Beach Club Resort, St. Petersburg, Florida, March 13, 2009.
58. **Thoracic Surgery and Mesothelioma Clinical Trials.** Southwest Oncology Group (SWOG) Spring Meeting. Hyatt Regency, San Francisco, California, April 25, 2009.
59. **Robotics in Thoracic Surgery, Cardiothoracic Surgery ARTS Course.** Intuitive Surgical. Sunnyvale, California. June 6, 2009.
60. **Thoracic Surgery Clinical Trials for the Southwest Oncology Group.** General Thoracic Surgery Club 23rd Annual Meeting. La Costa Resort and Spa, Carlsbad, California, March 11, 2010.
61. **Society of Thoracic Surgeons Virtual Tissue Bank Proposal.** General Thoracic Surgery Club 23rd Annual Meeting. La Costa Resort and Spa, Carlsbad, California, March 11, 2010.
62. **Robotic Esophagectomy: An Evolving Minimally-Invasive Solution to a Worldwide Health Problem.** Medical Grand Rounds. City of Hope Medical Center, Conference Room B. Duarte, California March 16, 2010.
63. **Thoracic Surgery and Mesothelioma Clinical Trials.** Southwest Oncology Group (SWOG) Fall Meeting. Hyatt Regency, Chicago, Illinois October 23, 2010.
64. **Lung Cancer Staging Update and Panel Moderator.** Southwest Oncology Group (SWOG) Fall Meeting. Hyatt Regency, Chicago, Illinois October 23, 2010.
65. **Robotic Esophagectomy.** Department of Surgery, Morgagni-Pierantoni Hospital, Forli, Italy (Internet presentation, Contact Marco Turchini, MD) November 9, 2010.
66. **Robotics in Thoracic Surgery.** Department of Cardiothoracic Surgery. University of Texas, Southwestern, Dallas, Texas, January 5, 2011.
67. **Lung Cancer Evaluation, Diagnosis and Treatment.** Waco Family Medicine Residency Program. Waco, Texas, September 13, 2011.
68. **Lung Cancer Evaluation, Diagnosis and Treatment.** Cancer Support Community. Dallas, Texas, November 15, 2011.
69. **How will the NCI Screening Trial Expand Thoracic Surgical Practice. Complication of Lung Resection.** Oklahoma State University, Tulsa, Oklahoma, April 5, 2012
70. **Surgical Staging of Lung Cancer/Robotic Lung Resection.** Cancer Treatment Centers of America, Tulsa, Oklahoma, April 6, 2012.
71. **Robotics in Thoracic Surgery.** Department of Cardiothoracic Surgery, Radboud University Nijmegen Medical Center, Nijmegen, The Netherlands, June 19, 2012.
72. **Lung Cancer Patient: Borderline Operable.** Palliative Care Conference, Texas Health Harris Methodist Hospital, Fort Worth, Texas, July 14, 2012.

PERSPECTIVE DONATION PRESENTATIONS

1. **Lung Cancer Program at the City of Hope** to the Construction Industries Alliance Honoree Tour, Visitor's Center, City of Hope, Duarte California, January 21, 2005
2. **Lung Cancer Program at the City of Hope** to the National Office Products Tour, Visitor's Center, City of Hope, Duarte California, February 16, 2005.
3. **Lung Cancer Program at the City of Hope.** Cooper Auditorium, City of Hope, Duarte, Ca. March 8, 2006
4. **Lung Cancer Surgical Treatment** to "Ask the Experts" sponsored by the City of Hope. Four Seasons, Beverly Hills, California, March 31, 2005.
5. **Lung Cancer Program at the City of Hope** to the Construction Industries Alliance Honoree Tour, Visitor's Center, City of Hope, Duarte California, April 3, 2005.
6. **Lung Cancer Program at the City of Hope** to the Angels of Hope, Golden Lotus, Rancho Palos Verdes, California, April 9, 2005.
7. **Food Service/Hospitality Industry Tour Luncheon Speaker**, Visitors' Center, City of Hope, Duarte, Ca. May 3, 2005.
8. **Lung Cancer Program at the City of Hope** to the Inland Empire, Upland California, June 12, 2005.
9. **Lung Cancer Program at the City of Hope** to the Better World Together Foundation, Visitor's Center, City of Hope, Duarte California, June 13, 2005.
10. **Lung Cancer Program at the City of Hope** to the Construction Industry Alliance, Visitor's Center, City of Hope, Duarte California, August 16, 2005
11. **Bob and Toby Waldorf Tour**, Visitors' Center, City of Hope, Duarte, Ca. September 12, 2005
12. **Rancho Bernardo Donor Dinner**, Sheraton San Diego, September 17, 2005
13. **Robotics in Lung Cancer** to the Chinese Celebration, Cooper Auditorium, City of Hope, Duarte, California, October 15, 2005.
14. **Robotics and the Future of Lung Cancer.** World Presidents' Organization. Visitors' Center. City of Hope, Duarte, California. October 26, 2005.
15. **Apparel Industry, Mark Linnecke**, Visitors' Center, City of Hope, Duarte, California, December 21, 2005
16. **Jim and Judy Mitchell and Family VIP Lunch**, Visitors' Center, City of Hope, Duarte, California, December 27, 2005.
17. **Lung Cancer Program at the City of Hope.** National Home Furnishings, Visitors' Center, City of Hope, Duarte, California, January 27, 2006.
18. **Lung Cancer Program and Early Diagnosis.** Better World Together Foundation. Platt I, City of Hope, Duarte, California, January 27, 2006.
19. **Lung Cancer Program.** Music Industry Tour. Visitors' Center, City of Hope, Duarte, California, June 16, 2006
20. **Donation Opportunities at the City of Hope.** National Office Products Convention. Chicago Hilton. Chicago, Illinois September 28, 2006.
21. **Donation Opportunities at the City of Hope.** LeRoy Home. Pasadena, California, February 26, 2007.
22. **City of Hope and Our Role in Cancer Research.** National Professional Salon Industry. Helford Hospital. Duarte, California. April 5, 2007.
23. **City of Hope and Funding Cancer Research.** Chicago Construction and Real Estate Council. Visitor's Center. City of Hope, Duarte, California, April 20, 2007
24. **Lung Cancer Program at the City of Hope** to Floe Financial Partners. Visitor's Center, City of Hope, Duarte California, April 26, 2007.
25. **City of Hope Research and Development.** Music and Entertainment Industry. Gustavo's New York, NY May 22, 2007.
26. **Lung Cancer Program at the City of Hope.** Ask the Experts. City of Hope Palm Desert Group. Embassy Suites, Palm Desert, California, November 29, 2007.
27. **Autoantibody Screening for Lung Cancer.** Inland Empire. City of Hope Flower's Building and The Visitor's Center. May 8, 2008.
28. **Lung Cancer Program at the City of Hope.** Judith Glick and Friends. Visitor's Center, City of Hope, Duarte California, October 27, 2008.
29. **Lung Cancer: An Update on Research and Treatment.** Ask the Experts. City of Hope Platt III Auditorium. Duarte, California, November 20, 2008.

30. **Lung Cancer Program at the City of Hope.** Board of Governors, Beverly Hilton, Los Angeles, California, December 13, 2008.
31. **What's New in Lung Cancer Evaluation and Treatment.** Mt. San Antonio Gardens, Pamoona, California, January 21, 2009.
32. **Lung Cancer Program at the City of Hope.** Northern California Real Estate & Construction Business Alliance and 2009 SOL Honoree, Micaheal Covarrubias, TMG Partners. City of Hope, Helford Hospital, Duarte, California, February 11, 2009.
33. **The "Medical Minute" on KFWB-AM.** McCoy Productions 10707 Magnolia North Hollywood, California, February 11, 2009.
34. **Lung Cancer Program at the City of Hope.** VIP/Honoree for Northern California, City of Hope, Helford Hospital, Duarte, California, March 10, 2009.
35. **Lung Cancer clinical and Research Program. Robotic Thoracic Program.** Mt. San Antonio. Visitor's Center. Duarte, California March 24, 2009.
36. **Research Opportunities in Lung Cancer at the City of Hope.** Title Family. Visitor's Center. City of Hope, Duarte, California, March 25, 2009.
37. **Lung Cancer.** Sky Radio Interview. June 4, 2009.
38. **Lung Cancer at the City of Hope.** Ocean Hills Chapter for the City of Hope. Visitor's Center. City of Hope, Duarte, California, July 1, 2009.
39. **The Answers to Cancer Hour.** KFWB 5670 Wilshire Blvd., Los Angeles, California, July 20, 2009.
40. **Lung Cancer Program at the City of Hope.** Home Dept, City of Hope, Library Conference Room, Duarte, California, August 14, 2009.
41. **Lung Cancer and Robotics at the City of Hope.** Annual Tour of the Eagles Service Group. Visitor's Center. City of Hope, Duarte, California, March 27, 2010.

CONFERENCE PRESENTATIONS

1. **Society of Critical Care Medicine**, St. Louis, MI. Determinants of direct cardiac compression during external cardiac massage in intact dogs. June, 1982.
2. **American Society of Artificial Internal Organs**, Anaheim, CA. Implantable continuous intravenous insulin device: restoration of flow after slow-down. May, 1986.
3. **Association for Academic Surgeons**, Washington, DC. Cyclosporine infusion by implanted pump. November, 1986.
4. **Society of University Surgeons**, Columbus, OH. Long-term implantable intravenous insulin infusion into 41 patients. March, 1987.
5. **American Society of Artificial Internal Organs**, New York, NY. Correct placement of the insulin infusion catheter tip to prevent fibrin occlusion. May, 1987.
6. **American Society for Artificial Organs**, Reno, NV. Restoration and maintenance of intravenous insulin infusion in the vapor-pressed powered implantable infusion device. May, 1988.
7. **American Diabetes Association**, Indianapolis, IN. Reduced serum amyloid A levels and anti-insulin antibody titers with intravenously infused insulin from an implantable pump. June, 1987.
8. **American Diabetes Association**, New Orleans, LA. Reduces serum total insulin, anti-insulin antibody, and insulin aggregates in patients receiving continuous intravenous insulin from implantable pumps. June, 1988.
9. **American College of Surgeons**, Surgical Forum, Chicago, IL. Intravenous delivery of cyclosporine: long-term dog infusion by implantable device. October, 1988.
10. **American Society for Artificial Internal Organs**, Houston, TX. Intravenous and intraperitoneal insulin administration in the dog. May, 1989.
11. **Cancer and Leukemia Group B (CALGB) 1996 Fall Group Meeting**, Pittsburgh, PA. University of Iowa Clinical trial experience with the Cancer and Leukemia Group B. November 3, 1996.
12. **International Congress of Thorax Surgery**, Athens, Greece. Positron emission tomography (PET) and computed tomography (CT) to accurately stage the mediastinum in lung cancer. Kernstine KH, Trapp J, Kirchner P, Galvin J, Rossi N, Kern J. July, 1997.
13. **American College of Surgeons**, Chicago, IL. Trends in thoracoscopy surgery, postgraduate course on laparoscopic surgery. October 15, 1997.
14. **2nd Annual VA Cancer Symposium**, San Antonio, TX. FDG-positron emission tomography (PET) and computed tomography (CT) to accurately stage the mediastinum in lung cancer, Rossi N, Kernstine KH, Trapp J, Kirchner P, Galvin J, Kern J, Widmann M. October 23, 1997.

15. **Cancer and Leukemia Group B (CALGB) 1997 Fall Group Meeting**, Orlando, FL. University of Iowa clinical trial experience with the Cancer and Leukemia Group B. November 22, 1997.
16. **American Thoracic Society**, Chicago, IL. Results of limited lung resection in patients with low maximal oxygen uptake. Wcisel G, Kernstine KH, Wilson J. Poster presentation, April 26, 1998.
17. **American Society of Clinical Oncology**, Los Angeles, CA. Comparison of positron emission tomography (PET) and computed tomography (CT) to identify N₂ and N₃ disease in non-small cell lung cancer (NSCLC). Kernstine KH, Trapp J, Croft D, Kirchner P, Galvin J, Rossi N, Kern J. May 19, 1998.
18. **American Society of Anesthesia**. Does thoracic epidural analgesia increase urinary retention post thoracotomy? Jeager M, Rosenquist R, Mitchell D, Temple R, Hopwood M, Kernstine K. December, 1998.
19. **Society of Thoracic Surgeon's 35th Annual Meeting**, San Antonio, TX. FDG-positron emission tomography (PET), computed tomography (CT), and magnetic resonance imaging with combidex (MRI-C) to stage the mediastinum in non-small cell lung cancer (NSCLC). Kernstine K, Trapp J, Croft D, Kirchner P, Stanford W, Galvin J, Mullin B, Rossi N, McLaughlin K, Kern J. Poster presentation, January 24, 1999.
20. **First World Conference on Clinical Cooperative Research for Lung Cancer**, Brussels, Belgium., March 5, 1999.
21. **79th Annual Meeting of the American Association of Thoracic Surgery**, New Orleans, LA. Interactive case presentation – esophageal cancer. General Thoracic Surgery Symposium. April 18-21, 1999.
22. **79th Annual Meeting of the American Association of Thoracic Surgery**, New Orleans, LA. Discussion reviewer: The role of positron emission tomography in evaluating the mediastinum in patients with non-small cell lung cancer by J D Luketich. April 18-21, 1999.
23. **American Thoracic Society**, San Diego, CA. Logistic regression analysis (LRA) to identify factors important in predicting prolonged air leaks (PAL) in surgical treatment of non-small cell lung cancer (NSCLC). Husain SA, Verhofste M, Wilson J, Wcisel G, Widmann M, Hansen M, Rossi NP, Campos TJ, Kernstine KH. Presented by Husain SA. April 25, 1999.
24. **American Lung Association/American Thoracic Society**, San Diego, CA. PET-FDG in the diagnosis of solitary pulmonary nodules (SPN) and mediastinal staging of non-small cell pulmonary malignancies. Croft DR, Trapp J, Kernstine KH, Mullan B, Galvin JR, Kern J. Slide presentation/mini-symposium/abstract, presented by Croft D. April 25, 1999.
25. **American Broncho-Esophagological Association**, Palm Desert, CA. Phase II trial of preoperative paclitaxel (P) and carboplatin (C) concurrent with radiation for esophageal cancer. Kernstine KH, Harris B, Clamon GH, Mayr N, Maher JW, Summers RW, Riggs CE, Jr., Karwal MW, Carlisle TL, McLaughlin KA, Rossi NP, Dreicer R, Geick-Miller JR, Werner BR, Berg DJ. April 27, 1999.
26. **The Society of University Surgeons Residents' Program**, New Orleans, LA. Logistic regression analysis (LRA) to identify factors important in predicting 30-day mortality (M), length of stay (LOS) and prolonged air leak (PAL) in the surgical treatment of non-small cell lung cancer (NSCLC). Husain SA, Verhofste M, Wilson J, Wcisel G, Widmann M, Hansen M, Rossi NP, Campos TJ, Kernstine KH. April 1999.
27. **American Society of Clinical Oncology**, Atlanta, GA. Is a pulmonary nodule (PN) malignant?: Contribution of FDG-Positron Emission Tomography (Pet). Kernstine KH, McLaughlin KA, Clarke W, Jones M, McLennan G, Peterson M, Gross T, Rossi NP, Bushness D, Schwartz D, Kern J. Poster presentation, May 18, 1999.
28. **Thoracic Surgery 50th Anniversary Reunion, Scientific Session**, University of Iowa Hospitals and Clinics, Iowa City, Iowa. Thoracoscopic Surgery, Lung Reduction, Off Pump CABG, Multicenter Trials. Kernstine KH, McLaughlin KA, October 8, 1999.
29. **American College of Surgeons 85th Clinical Congress**. San Francisco, California. Lung cancer staging: CT, MRI, PET; Postgraduate Course 7, ACS. October 11, 1999.
30. **Thoracic Surgery Motion Picture Session at the American College of Surgeons 85th Annual Clinical Congress**, San Francisco, California. Complete Thoracoscopic right upper lobectomy. Kernstine KH, Boeve TJ, Widman M, Verhofste M. October 14, 1999.
31. **The Society of Thoracic Surgeons 37th Annual Meeting**, New Orleans, LA. Can FDG-PET reduce the need for mediastinoscopy in potentially resectable non-small cell lung cancer? Kernstine KH, McLaughlin KA, Menda Y, Rossi NP, Kahn DJ, Bushnell DL, Hashisho MM, Graham MM, Brown CK, Madsen M. January 30, 2001.

29. **83rd Annual Meeting of the American Association of Thoracic Surgery**, Boston, MA. Discussion reviewer: PET use in esophageal cancer by Seth Force. May 5, 2003.
30. **American Association for Thoracic Surgeons, 84th Annual Meeting** in Toronto, April 25-28, 2004. The completely robotic oncologic minimally invasive esophagectomy. New Technologies, Wednesday, April 29, 2004.
31. **Advances in the Multidisciplinary Treatment of Gastrointestinal Neoplasms**. Robotic esophagectomy. Rancho Bernardo Inn, San Diego, CA, September 17-19, 2004.
32. **City of Hope Conference on Women's Cancer**. Minimally Invasive Lung Cancer Surgery. The Venetian, Las Vegas, Nevada, November 14, 2004.
33. **American College of Surgeons, Southern California Chapter**. Robotics in Thoracic Surgery. Four Seasons Hotel. Santa Barbara, California. January 22, 2005.
34. **General Thoracic Surgical Club**, Robotics in Thoracic Surgery. Naples, Florida, February, 2005.
35. **American Association for Thoracic Surgery, 85th Annual Meeting**. Meet the Experts. Use of PET in Thoracic Malignancies. San Francisco, Ca, April, 2005.
36. **Tokyo Chemotherapy Society, 13th Annual Meeting**. Adjuvant Therapy in Lung Cancer, an American Surgeon's Perspective. Tokyo, Japan. February 20, 2005.
37. **Southern California Radiological Oncology Society, Midwinter Radiological Oncology Conference**. Alternative Therapies for Esophageal Carcinoma. Studio City, Ca. February 27, 2005.
38. **57th Annual meeting of the American Academy of Neurologists** Robotic Thymectomy: A Minimally-Invasive Extended Radical Thymectomy for Myasthenia Gravis. –Miami, Florida, April 12, 2005
39. **42nd Annual Meeting of the American Society for Clinical Oncology (ASCO) 2005**-Lung Cancer 2005 Moderator Poster Session II Orlando, Florida, May 13-17, 2005.
40. **42nd Annual Meeting of the American Society for Clinical Oncology (ASCO) 2005**-Lung Cancer 2005 Review of Lung Cancer Screening, Orlando, Florida, May 13-17, 2005.
41. **42nd Annual Meeting of the American Society for Clinical Oncology (ASCO) 2005**-Lung Cancer 2005 Moderator of Lung Cancer II Session, Orlando, Florida, May 13-17, 2005.
42. **American Thoracic Society-2005** Keith J, Young TL, Dedecker CD, Welke KF, **Kernstine KH**. Post-Thoracotomy Therapeutic Bronchoscopy (TB): A Non-Evidenced Based Practice., San Diego, California, May 24, 2005.
43. **3rd Annual Conference on Advances in the Multidisciplinary Treatment of Gastrointestinal Neoplasms**. Emerging Trends in the Surgical Treatment of Esophageal Cancer. Rancho Bernardo, San Diego, California, September 18, 2005.
44. **CHEST 2005**. American College of Chest Physicians. Dilemmas in the Lung Cancer. Panel Discussion. Mediastinoscopy: Review and Current Controversies. Montreal, Quebec. November 1, 2005.
45. **6th Annual City of Hope Women's Cancer Conference**: Minimally Invasive Lung Surgery, Bellagio Hotel, Las Vegas, NV, November 5, 2005.
46. **1st Annual International Symposium on Minimally Invasive Surgical Oncology (MISO)**. Robotic Esophagectomy. Cooper Auditorium. Duarte, Ca. January 28, 2006.
47. **Society of Thoracic Surgeons, TECH-CON 2006**. Robotic Esophagectomy. Chicago, Illinois, January 29, 2006.
48. **American Association for Thoracic Surgery, 86th Annual Meeting**. How I do it: Robotic Esophagectomy. General Thoracic Symposium. Philadelphia Convention Center. Philadelphia, Pennsylvania April 30, 2006.
49. **International Society for Cardiothoracic Surgery (ISMICS)**. Robotic Esophagectomy. Fairmont Hotel, San Francisco, California June 7, 2006.
50. **Seventh International Lung Cancer Congress**. Segmentectomy versus Lobectomy Debate w David Jablons, MD UCSF. Grand Wailea Hotel, Maui, Hawaii June 29, 2006.
51. **University of California at Davis, 7th Annual Advances in Oncology**. State of the Art: Early Stage Non-Small Cell Lung Cancer. Hyatt Regency, Sacramento, California September 30, 2006.
52. **First Annual International Robotic Symposium**. Robotic Transhiatal Esophagectomy Hyatt Regency McCormick Place. Chicago, Illinois October 5-6, 2006.

53. **First Annual International Robotic Symposium.** Robotic Resection of Aero-Digestive Cysts. Hyatt Regency McCormick Place. Chicago, Illinois October 5-6, 2006.
54. **First Annual International Robotic Symposium.** Moderator for the Mediastinal Robotic Section Hyatt Regency McCormick Place. Chicago, Illinois October 5-6, 2006.
55. **City of Hope Conference on Women's Cancer.** Surgery as the Primary Treatment for Lung Cancer. Debate. Bellagio, Las Vegas, Nevada, November 5, 2006.
56. **2nd International Congress, Minimally Invasive Robotics Association** Robotic and laparoscopic surgery for gastric malignancies. Anderson CA, Hellan, A, Trisal V, **Kernstine K**, Ellenhorn J, Pigazzi A. Oral presentation, New York, NY, Jan 2007.
57. **21st Century Cardiothoracic Surgeon Society.** Robotics in Chest Surgery: We must be Leaders – Innovators. Cancun, Mexico. February 17, 2007.
58. **Gastrointestinal Malignancies.** Robotic Esophagectomy: The Future Standard for Esophageal Cancer Surgery. Portland, Oregon. March 2, 2007
59. **Current Trends in Lung Cancer.** Surgical Approaches and Staging. Panel Discussion. The Bel Age, North Hollywood, Ca. March 3, 2007
60. **Society of Surgical Oncology 60th Annual Meeting,** Anderson C, Hellan M, **Kernstine K**, Ellenhorn J, Trisal V, Pigazzi A Robotic-assisted Minimally Invasive Surgery for Oncologic Procedures: A 2yr Experience at a Single Institution. Poster presentation, , Washington, DC, March, 2007.
61. **2nd Annual Symposium of Minimally Invasive Surgical Oncology** Anderson CA, Hellan, M, Trisal V, **Kernstine K**, Ellenhorn J, Pigazzi A Robotic and laparoscopic surgery for forgut malignancies. Oral presentation. Platt Auditorium. Duarte, California. March 24, 2007.
62. **2nd Annual International Symposium on Minimally Invasive Surgical Oncology (MISO).** Robotic Esophagectomy. Platt Auditorium. Duarte, California. March 24, 2007.
63. **Society of American Gastrointestinal Endoscopic Surgeons 2007 Annual Meeting** Robotic-assisted surgery for gastric malignancies: Short-term results. Anderson C, Hellan M, Trisal V, Kernstine K, Ellenhorn J, Pigazzi A. Poster presentation, Paris Hotel and Casino, Las Vegas, NV, April 2007
64. **American Association for Thoracic Surgery 87th Annual meeting.** Robotics in Thoracic Surgery. Washington, DC Convention Center. May 6, 2007.
65. **15th Annual Congress of the International Society for Minimally Invasive Cardiothoracic Surgery.** Anderson, Cassandra, Falabella A, **Kernstine K** Troubleshooting Robotics in Chest Surgery. Crowne Plaza, Rome, Italy, June 7, 2007.
66. **15th Annual Congress of the International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS).** Issues and Troubleshooting in Thoracic Surgery. Crowne Plasa Rome-St. Peter's Foro Constantino. June 7, 2007
67. **15th Annual Congress of the International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS).** Anderson, Cassandra, Falabella A, **Kernstine K** Robotic-Assisted Lung Resection for Malignancy. Crowne Plaza, Rome, Italy, June 8, 2007
68. **15th International Congress, European Association for Endoscopic Surgery EAES** Robotic Surgery for Gastrointestinal Malignancies. Anderson C, Hellan M, **Kernstine K**, Ellenhorn J, Pigazzi A. Oral presentation, Athens, Greece, July 2007
69. **12th World Conference on Lung Cancer and International Association for the Study of Lung Cancer.** How to Stage the Mediastinum: Mediastinoscopy. Oral Presentation. Seoul, Korea, September 6, 2007.
70. **93rd Annual Clinical Congress, American College of Surgeons.** Robotic Thoracic Surgical Techniques. Intuitive Surgical Exhibition. Ernest N. Moral Convention Center. New Orleans, Louisiana October 8, 2007.
71. **93rd Annual Clinical Congress, American College of Surgeons.** When to use neoadjuvant therapy for patients with esophageal cancer and why In Postgraduate Course 08: Thoracic Surgery. Ernest N. Moral Convention Center. New Orleans, Louisiana October 9, 2007.
72. **93rd Annual Clinical Congress, American College of Surgeons.** Cardiothoracic Surgery Video Session Co-Moderator. Ernest N. Moral Convention Center. New Orleans, Louisiana October 8, 2007.

73. **93rd Annual Clinical Congress, American College of Surgeons.** Robotic-Assisted Lobectomy with Regional Lymphadenectomy for Lung Cancer. In Cardiothoracic Surgery Video-Session. Ernest N. Moral Convention Center. New Orleans, Louisiana October 8, 2007.
74. **2nd Esophageal & Cardia Cancer Summit (China).** Co-Chair Session 6: Early Detection of Esophageal Squamous Cell Carcinoma. King Wing Hot Spring International Hotel, Beijing, China October 20, 2007.
75. **8th National Congress on Esophageal Cancer (China).** A new way to perform surgery for the esophagus, the robotic esophagectomy with video demonstration of the procedure. Cancer Institute/Hospital Chinese Academy of Medical Sciences Beijing, China, October 21, 2007.
76. **Oeso. 9th World Congress** Robotic Esophagectomy. Monte Carlo, Monaco, April 8, 2008.
77. **Oeso. 9th World Congress** Robotic Repair of the Giant Hiatal Hernia. (Oral Invited Lecture), Monte Carlo, Monaco, April 8, 2008.
78. **Oeso. 9th World Congress** Robotic Repair of the Giant Hiatal Hernia. (Poster Presentation), Monte Carlo, Monaco, April 7, 2008.
79. **Oeso. 9th World Congress** Is there a place for robotic fundoplication in antireflux surgery. Monte Carlo, Monaco, April 9, 2008.
80. **American Association for Thoracic Surgery, 88th Annual Meeting.** Looking to the Future of Thoracic Surgery AATS Symposium Robotic Esophagectomy. San Diego Marriott Hotel, San Diego, California, May 9, 2008.
81. **American Association for Thoracic Surgery, 88th Annual Meeting.** Emerging Technologies. Robotic Thymectomy. San Diego Convention Center. San Diego, California, May 10, 2008.
73. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 11th Annual Meeting.** PostGraduate Course: Advances in Minimally Invasive Surgery. Robotic Esophagectomy. Marriott Copley Place Hotel, Boston Massachusetts, June 11, 2008.
74. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 11th Annual Meeting.** Thoracic Moderator, Session 7. Marriott Copley Place Hotel, Boston Massachusetts, June 12, 2008.
75. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 11th Annual Meeting.** Introduction of Keynote Speaker, Robert Langer. Marriott Copley Place Hotel, Boston Massachusetts, June 14, 2008.
76. **9th International Lung Cancer Congress,** Panel Discussant NSCLC. Grand Hyatt, Kauai, Hawaii, June 18, 2008.
77. **9th International Lung Cancer Congress.** Surgical Approaches to Early Disease, NSCLC. Grand Hyatt, Kauai, Hawaii, June 19, 2008.
78. **9th International Lung Cancer Congress.** Poster Discussion Leader. Grand Hyatt, Kauai, Hawaii, June 19, 2008.
79. **9th International Lung Cancer Congress.** Current Status of the American College of Surgeons Oncology Group Thoracic Clinical Trials. Grand Hyatt, Kauai, Hawaii, June 21, 2008.
82. **34th Annual Meeting of the Western Thoracic Surgical Association (WTSA).** Discussant: Diffusion Capacity Predicts Pulmonary Complications. Sheratono Keauhou Bay Resort and Spa, Kona, Hawaii, June 26, 2008.
83. **34th Annual Meeting of the Western Thoracic Surgical Association (WTSA).** Debate: Induction Therapy for Stage IIIA NSCLC: Pro. Sheratono Keauhou Bay Resort and Spa, Kona, Hawaii, June 26, 2008.
84. **Roswell Park Thoracic Symposium.** Minimally Invasive Thoracic Surgery. Niagara-on-the-Lake, Ontario Canada, September 6, 2008.
85. **Masters of Minimally Invasive Thoracic Surgery,** Minimally Invasive Esophageal Surgery, Presentation on Robotic Esophagectomy. Disney World, Floridean Hotel, Orlando, Florida, September 20, 2008.
86. **Masters of Minimally Invasive Thoracic Surgery,** Resection of Esophageal Leiomyoma. Disney World, Floridean Hotel, Orlando, Florida, September 20, 2008.
87. **Masters of Minimally Invasive Thoracic Surgery,** Thoracoscopic Decortication. Disney World, Floridean Hotel, Orlando, Florida, September 20, 2008.
88. **The Science of Thoracic Surgery,** Robotics in Thoracic Surgery. Brigham & Women's Symposium, Harvard Medical School, Taj Hotel, Boston, Massachusetts, October 4, 2008.

89. **City of Hope Conference on Women's Cancer.** Minimally Invasive Surgical Techniques in Lung Cancer. Wynn Hotel, Las Vegas, Nevada, November 2, 2008.
90. **Chicago Multidisciplinary Symposium in Thoracic Oncology.** Staging of Lung Cancer with PET and CT. Chicago Marriott Downtown Hotel, Chicago, Illinois, November 14, 2008.
91. **Chicago Multidisciplinary Symposium in Thoracic Oncology.** What is the Role of Robotics in Surgical Treatment of NSCLC. Chicago Marriott Downtown Hotel, Chicago, Illinois, November 15, 2008.
92. **Society of Thoracic Surgeons Surgical Symposium, 45th Annual Meeting,** So You Want to be a Thoracic Surgeon? Moscone West Convention Center, San Francisco, California, January 25, 2009.
93. **Society of Thoracic Surgeons Surgical Symposium, 45th Annual Meeting,** Symposium Leader/Moderator-Clinical Research; Not Just an Opportunity, but an Obligation to Our Patients and Our Future. Moscone West Convention Center, San Francisco, California, January 26, 2009.
94. **6th Annual City of Hope Conference on Advances in the Multidisciplinary Treatment of Gastrointestinal Neoplasms.** Esophagectomy Is the Appropriate Therapy. Fairmont Orchid Hotel, Kohala Coast, Kona Hawaii, February 26, 2009.
95. **1st Pan American Robotic Oncology Symposium (PAROS),** Robot-Assisted Esophagectomy: Technique and Results. MD Anderson Cancer Center, Houston, Texas, February 28, 2009.
96. **24th Annual Respiratory Care Conference, American Lung Association** The Orleans Hotel, Esophageal Cancer, Las Vegas, Nevada, April 27, 2009.
97. **American Association for Thoracic Surgery, 89th Annual Meeting.** Discussant on paper "Robotic Lobectomy for the Treatment of Early Stage Lung Cancer" by G. Veronesi in the Emerging Technologies and Techniques Forum. Hynes Convention Center, Boston, Massachusetts, May 13, 2009.
98. **20th Congress for the European Society for Thoracic Surgery.** Role of Robotics in Thoracic Surgery. Auditorium Maximum, Jagiellonian University, Krakow, Poland, May 31, 2009.
99. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 12th Annual Meeting.** Postgraduate Course. Robotic Esophagectomy. St. Francis Hotel. San Francisco, California, June 3, 2009.
100. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 12th Annual Meeting.** Postgraduate Course in Thoracic Surgery. Course Director. St. Francis Hotel, San Francisco, California June 3, 2009.
101. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 12th Annual Meeting.** Thoracic Surgery Video Session Moderator. St. Francis Hotel. San Francisco, California, June 4, 2009.
102. **10th International Lung Cancer Congress.** Debate: Stage vs. Molecular Markers in Stage IIA NSCLC: Stage is Better. Fairmont Orchid, Kohala Coast, Hawaii, June 17, 2009
103. **10th International Lung Cancer Congress.** Tumor Board Panel Discussant. Fairmont Orchid, Kohala Coast, Hawaii, June 18, 2009.
104. **10th International Lung Cancer Congress.** ACOSOG: Review of Clinical Trials. Fairmont Orchid, Kohala Coast, Hawaii, June 20, 2009.
105. **13th World Conference on Lung Cancer.** Surgical Issues with Neoadjuvant Trials- Is the Surgical Risk Increased? Moscone West, San Francisco, California, August 1, 2009.
106. **13th World Conference on Lung Cancer.** Co-Chair Poster Discussion Session - Mesothelioma and SCLC. Moscone West, San Francisco, California, August 2, 2009.
107. **1st Clinical Robotic Surgery Association Meeting.** Robotic Esophagectomy: Basic Principles and Technique. Swissotel, Chicago, Illinois, October 9, 2009.
108. **1st Clinical Robotic Surgery Association Meeting.** Moderator-Thoracic Subspecialty Session. Swissotel, Chicago, Illinois, October 9, 2009.
109. **2nd BiAnnual Minimally Invasive Surgery Summit.** Robotic Esophagectomy: Added Benefit or Expense? The Joseph B. Martin Conference Center at Harvard Medical School, Boston, Massachusetts, October 10, 2009
110. **Southwest Oncology Group Fall Meeting, Clinical Research Associate Meeting.** Implications of the New Lung Cancer Staging System. Hyatt Regency, Chicago, Illinois, October 23, 2009.

111. **19th Biennial Congress for the Association of Thoracic and Cardiovascular Surgeons of Asia (ATCSA).** Robotic Lobectomy: How I do it? Sheraton Grande Walkerhill, Seoul, Korea, October 26, 2009.
112. **19th Biennial Congress for the Association of Thoracic and Cardiovascular Surgeons of Asia (ATCSA).** Robotic Surgery for Esophageal Cancer. Sheraton Grande Walkerhill, Seoul, Korea, October 27, 2009.
113. **2nd Beijing International Thoracic Oncology Conference.** Robotic and Minimally Invasive Surgery for Lung Cancer. Guang Xi Hotel, Beijing, China, November 7, 2009.
114. **International Society for Minimally Invasive Cardiothoracic Surgery, Winter Workshop.** Robotics in Thoracic Surgery: Current Status and Future Prospects. Crowne Plaza Today Gurgaon, Delhi, India, December 13, 2009.
115. **International Society for Minimally Invasive Cardiothoracic Surgery, Winter Workshop.** Moderator. Journey Together: Lessons Learnt from Other Specialties. Crowne Plaza Today Gurgaon, Delhi, India, December 13, 2009.
116. **46th Annual Meeting of the Society of Thoracic Surgeons.** Advances in Robotics. General Thoracic Track II. Society of Thoracic Surgeons/American Association for Thoracic Surgeons Tech-Con 2010., Ft. Lauderdale Convention Center, Ft. Lauderdale, Florida, January 24, 2010.
117. **46th Annual Meeting of the Society of Thoracic Surgeons.** General Thoracic STS Parallel Surgical Symposium, Moderator. Ft. Lauderdale Convention Center, Ft. Lauderdale, Florida, January 24, 2010.
118. **46th Annual Meeting of the Society of Thoracic Surgeons.** Parallel Surgical Forum II: General Thoracic, Moderator. , Ft. Lauderdale Convention Center, Ft. Lauderdale, Florida, January 24, 2010.
119. **2nd Biannual Pan American Robotic Oncology Symposium.** Collision Avoidance: What, When, and How to Optimize Instrumentation. . M.D. Anderson Cancer Center, Houston, Texas, February 26-27, 2010.
120. **2nd Pan American Robotic Oncology Symposium.** Robotic-Assisted Surgery for the Esophagus. . M.D. Anderson Cancer Center, Houston, Texas, February 26-27, 2010.
121. **Oncology Practice Reviews. Progress in Lung Cancer.** Adjuvant and Locally Advanced Disease. J. W. Marriott Hotel, Los Angeles, California, March 27, 2010.
122. **American Association for Thoracic Surgery, 90th Annual Meeting.** Robotic Esophagectomy: Basic Principles and Technique. Robotic Cardiothoracic Symposium. Metro Toronto Convention Center, Room 106. Toronto, Ontario, Canada. May 1, 2010.
123. **American Association for Thoracic Surgery, 90th Annual Meeting.** Session Co-chair Thoracic Surgery. Robotic Cardiothoracic Symposium. Metro Toronto Convention Center, Room 106. Toronto, Ontario, Canada. May 1, 2010.
124. **American Association for Thoracic Surgery, 90th Annual Meeting.** The Role of Esophagectomy in the Management of Barrett's HGD and T1a. General Thoracic Symposium. Metro Toronto Convention Center, Room 106. Toronto, Ontario, Canada. May 5, 2010.
125. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 13th Annual Meeting.** Robotic Surgery in Non-Thymic Mediastinal Pathology. Intercontinental Hotel. Berlin, Germany, June 17, 2010.
126. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 13th Annual Meeting.** Instructor/Session Moderator, VATS Lobectomy. Intercontinental Hotel. Berlin, Germany, June 17, 2010.
127. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 13th Annual Meeting.** Thoracic Program Session Moderator. Intercontinental Hotel. Berlin, Germany, June 18, 2010.
128. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 13th Annual Meeting.** Broad Applications in Robotic-Assisted Thoracic Surgery. Robotic Intuitive ISMICS Luncheon Symposium. Charlottenburg 1, Intercontinental Hotel. Berlin, Germany, June 18, 2010.
129. **11th International Lung Cancer Congress.** Poster Discussion Leader. Terranea, Rancho Palos Verdes, California, July 8, 2010.
130. **11th International Lung Cancer Congress.** Mesothelioma: Locally Advanced Disease. Terranea, Rancho Palos Verdes, California, July 9, 2010.

131. **11th International Lung Cancer Congress.** Personalized Medicine Panel for Mesothelioma. Terranea, Rancho Palos Verdes, California, July 9, 2010.
132. **11th International Lung Cancer Congress.** ACOSOG: Review of Clinical Trials. Terranea, Rancho Palos Verdes, California, July 8, 2010.
133. **University of California, Irvine Minimally Invasive Surgery Symposium.** Robotic Management of Lung Cancer. Terranea, Rancho Palos Verdes, California, August 21, 2010.
134. **24th EACTS The European Association for Cardio-Thoracic Surgery.** Robotic Esophagectomy: Basic Principles and Techniques. Crowne Plaza Hotel, Geneva, Switzerland, September 14, 2010.
135. **Clinical Robotic Surgery Association (CRSA), 2nd Worldwide Congress.** Robotic Esophagectomy: What Technique? University of Chicago, Illinois, Forum, Chicago, Illinois, October 1, 2010.
136. **Clinical Robotic Surgery Association (CRSA), 2nd Worldwide Congress.** Moderator: Specialty Session-Thoracic. University of Chicago, Illinois, Forum, Chicago, Illinois, October 1, 2010.
137. **2010 Multidisciplinary Symposium in Thoracic Oncology, ASCO/ASTRO/IASLC/University of Chicago.** Moderator/Presenter Poster Session. Chicago Hilton, Chicago, Illinois, December 10, 2010.
138. **Cardio-Thoracic Robotic Course, Level II;** 23-26 February 2011, Strasbourg, France. Anatomy and Skillset review, February 26, 2011.
139. **General Thoracic Surgery Club.** Robotic vs VATS Lobectomy: Debate. South Seas Island Resort, Captiva Island, Florida, March 4, 2011.
140. **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), 14th Annual Meeting.** Comparison and Review of Techniques for Esophagectomy and Giant Paraesophageal Hiatal Hernia Repair. Washington, D.C., June 8, 2011.
141. **14th World Conference on Lung Cancer, IASLC.** Robotic Resections, Superior Sulcus Tumors with N2 Disease. Amsterdam, The Netherlands July 6, 2011.
142. **International Lung Cancer Congress.** Surgical Approaches to Locally Advanced NSCLC, August 11, 2011; Impact and Application of the IASLC Staging Project, August 12, 2011; Cooperative Group Update: American College of Surgeons Oncology Group, August 13, 2011. Carlsbad, CA.
143. **Yonsei Severance.** Perspectives on Robotic Thoracic Surgery, August 25, 2011; Set-up of a Robotic Lobectomy Program, August 25, 2011. Seoul, Korea.
144. **Thoracic Surgery Summit.** BEST OPERATION FOR SMALL EARLY STAGE LUNG CANCER: Robotic Lobe, October 7, 2011; Robotic Esophagectomy October 8, 2011. Boston, MA.
145. **Clinical Robotic Surgery Association.** 3rd Worldwide Congress. Robotic Esophagectomy, November 4, 2011. Houston, Texas.
146. **Society of Thoracic Surgeons.** Discussant/Reviewer: - J. Maxwell Chamberlain Memorial Paper for General Thoracic Surgery: Amiodarone Prophylaxis For Atrial Fibrillation In Patients Undergoing Surgery For Lung Cancer—A Controlled, Randomized, Double-Blinded Trial, January 30, 2012. Reviewer/Poster Judge for Poster Session, January 30, 2012. Fort Lauderdale, FL.
147. **Strategies for Integrating Biomarkers into Clinical Development of New Therapies for Lung Cancer: A Joint NCI-TMSC-FDA Workshop.** Panelist, February 2-3, 2012. Bethesda, MD.
148. **21 Century Cardiothoracic Surgical Society.** Surgical Robotic Training: Optimal Approach, February 17, 2012. Boca Raton, FL.
149. **Southwest Oncology Group 2012 Spring Meeting.** Mesothelioma – Quality of Life. April 12, 2012. San Francisco, CA.
150. **International Society for Minimally Invasive Cardiothoracic Surgery 2012 Annual Meeting.** Course Director, Robotic Thoracic Course. May 30, 2012. Los Angeles, CA.
151. **13th International Lung Cancer Congress.** Panel Chair, Impact and Application of the IASLC Staging Project, July 19, 2012. Huntington Beach, CA.
152. **13th International Lung Cancer Congress.** Surgical Approaches to Locally Advanced NSCLC, July 19, 2012. Huntington Beach, CA.
153. **13th International Lung Cancer Congress.** Panelist, Combined Modality Therapy. July 19, 2012. Huntington Beach, CA.

154. **13th International Lung Cancer Congress.** Multidisciplinary Tumor Board Workshop. July 19, 2012. Huntington Beach, CA.
155. **13th International Lung Cancer Congress.** ACOSOG update. July 21, 2012. Huntington Beach, CA.
156. **65th Annual Koppa Conference.** Robotic Lung Cancer Surgery. August 11, 2012. Hunt, TX.

VISITING PROFESSORSHIPS

1. **University of Iowa** College of Medicine Visiting Professor Lecture, Broadlawns Medical Center, Des Moines, Iowa, Lung Reduction, January 15, 1998.
2. **University of Iowa** College of Medicine Visiting Professor Lecture, Marian Health Center, Sioux City, Iowa, Lung Mass: Evaluation and Treatment, February 25, 1998.
3. **University of Iowa** College of Medicine Visiting Professor Lecture, Northeast Iowa Family Practice Residency Program, Waterloo, Iowa, Lung Cancer: State of the art; Lung Mass: Evaluation and treatment, May 13, 1998.
4. **Columbia University**, Division of Thoracic Surgery. New York City, NY. Robotic Thymectomy. April 7-9, 2004.
5. **University of California, Los Angeles.** Division of Thoracic Surgery. Los Angeles, CA. Current Surgical Treatment Options in Esophageal Cancer. June 10, 2005.
6. **University of California at Davis**, Department of Surgery. April 18, 2006.
7. **Bakersfield/Kern Medical Center General Surgery.** Esophageal Cancer. Bakersfield, California September 6, 2006
8. **Harbor/University of California Los Angeles**, Grand Rounds Pulmonary Medicine. Lung Cancer Update. Torrance, California December 12, 2007.
9. **University of Illinois at Chicago.** Grand Rounds for Department of Surgery. C. Thomas Bombeck Memorial Lecture. Robotic Esophagectomy for Esophageal Cancer. Neuropsychiatric Institute Auditorium, Chicago, Illinois, May 20, 2009.
10. **Roswell Park Cancer Institute.** Grand Rounds or Department of Surgery. Robotic Esophagectomy: And Involving Minimally-Invasive Solution to a Worldwide Health Problem. Buffalo, New York, February 9-10, 2010
11. **Brown University.** Vargus Lecture, Rhode Island Hospital, Providence, RI. "Houston, we have a problem....The Potential Demise of Surgical Robotic Technology". April 2, 2012. "Addressing the Perturbation of Surgery in the Thoracic Surgical Patient". April 3, 2012.

OTHER PRESENTATIONS

1. Lung Cancer Program, Progress Report and Strategic Plans, City of Hope Clinical And Scientific Executive Team and Program Leadership Meetings, City of Hope Campus. January 18, 2006.
2. Robotic Thoracic Surgery. Intuitive Surgical Booth. Hynes Convention Center, Boston Massachusetts, May 12, 2009.

IV. SERVICE

A. OFFICES HELD IN PROFESSIONAL ORGANIZATIONS (least to most recent)

EDITORSHIPS

- 2004- Editorial Board for *Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery*.
2007-2009 Editorial Board for *Journal of Clinical Oncology*
2007- Section Editor for Thoracic Diseases in *Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery*

EDITORIAL REVIEWER FOR SCIENTIFIC MANUSCRIPTS AND JOURNALS

- 1990 Abstract Review – "Forms of Therapy", American Diabetes Association's 50th Annual Meeting, Atlanta, GA, June 16-19, 1990.
1989-90 Reviewer for *Transactions of the American Society of Artificial Internal Organs*
1988-90 Editorial reviewer for *Diabetes Care*
1997- Editorial reviewer for *Anesthesiology*
1997- Ad hoc reviewer for the *Journal of Anesthesiology*
1999- Reviewer for *Surgical Laparoscopy, Endoscopy and Percutaneous Techniques*
1999- Editorial reviewer for *American College of Chest Physicians*
1999- Editorial reviewer for *The Journal of Thoracic and Cardiovascular Surgery*
1999- Editorial reviewer for *The Annals of Thoracic Surgery*
2000- Editorial reviewer for *The Annals of Surgery*
2000- Editorial reviewer for *Heart and Lung Transplantation*
2000- Editorial reviewer for *International Journal of Nuclear Medicine*
2000- Editorial reviewer for *Spine*
2004- Editorial reviewer for the *Journal of Surgical Oncology*
2005- Editorial reviewer for *American College of Physicians*, PIER Website, *Myasthenia Gravis*
2006- Editorial reviewer for *Diseases of the Esophagus*
2006- Editorial reviewer for *The Annals of Surgical Oncology*
2007- Editorial reviewer for Journals: *The Oncologist*
2008- Ad hoc reviewer for *Gastrointestinal Research*
2009- Editorial reviewer for *Diseases of the Colon and Rectum*
2009- Editorial reviewer for *Cancer*
2010- Editorial reviewer for the *Journal of Robotic Surgery*
2010- Editorial reviewer for the *Journal of Thoracic Oncology*
2009- Editorial reviewer for *Clinical Lung Cancer*
2010- Editorial reviewer for *Nature Reviews in Clinical Oncology*
2012- Editorial reviewer for *Archives of Surgery*
2013- CME Associate Editor of *The Annals of Thoracic Surgery*

DEPARTMENTAL, COLLEGIATE, UNIVERSITY AND NATIONAL COMMITTEES

- 1995-2004 CALGB Surgery Committee
1997-2004 Thoracic Oncology Group, University of Iowa
1996-1998 Ad Hoc Trauma Service Advisory Subcommittee, University of Iowa
1996-1998 Esophageal Disease Interest Group, University of Iowa
1997-2000 Operating Room General Thoracic Surgery Group, University of Iowa
1997-1998 Originator and Member of the Cancer Center Oncology Clinical Trial Group
1997-1998 INFORMM Committee
1997-2000 Cancer Center Executive Committee
1997-1998 Structured Charting Group, INFORMM System
1997-1998 Contact Summary Task Force, INFORMM System
1997-2000 Marketing Subcommittee, Clinical Cancer Center
1997-1998 Referral Network System Development Committee
1997-1999 PET Center Task Force
1997-2004 General Thoracic Clinical Management Team
1997-2004 The University of Iowa Cancer Center, full membership
1999 Search Committee for Chief of Nuclear Medicine
1999 Search Committee for Chairman of Pathology
1999-2003 Smoking Policy Committee for the University of Iowa

Kemp Howard Kernstine

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1999-2000 Bronchoscopy Committee for the University of Iowa
1996-2004 Pharmacy and Therapeutics/Pain Management Subcommittee
1998 Society of Thoracic Surgeons Relative Value Update Committee
2001 3JPE Thoracic Surgery Transfer Committee
1998-2004 Children's Oncology Group Committee
1999 Bronchoscopy Committee
2000-2001 American College of Chest Physicians
Panel Member for the Development of a Consensus Statement for the Treatment of Lung Cancer
Writing Committee "Special Circumstances"
1995-2004 Cancer and Leukemia Group B, Vice Chairman of The Thoracic Sub-Committee
Respiratory Committee, Core Member
Surgery Member
Thoracic Surgery Group Member
2003-2011 The Society of Thoracic Surgeons National Leadership Appointment to the Workforce on Clinical Trials committee
2003-2004 Chair of the Society of Thoracic Surgeons Taskforce for the Clinical Research Training Program
2001 ACOSOG Audit Committee
2001- American College of Surgeons Thoracic Organ Site Executive Committee
2004 Veterans Administration Hospital, Thoracic Surgical Consent Committee, Chairman-Mark Block MD, MUSC.
2004-2010 Member of the Directors Committee for the Division of Surgery, City of Hope National Medical Center
2004-2005 Technical Expert Panel (TEP) for the Agency for Healthcare Research and Quality (AHRQ) Small Cell Lung Cancer Management Project
2004-2005 Program Committee, Lung Cancer, American Society of Clinical Oncologists, 2005 Orlando, Florida Meeting
2005- Southwest Oncology Group (initiate member beginning September, 2005)
Respiratory Committee
Surgery Committee
Thoracic Surgery Subcommittee
Esophageal/Gastric Subcommittee
Correlative Sciences Committee
Lung Cancer Executive Committee
2007-
2004-2008 City of Hope Clinical Research Information Management Subcommittee
2004-2006 City of Hope Web Executive Steering Committee
2004-2007 City of Hope Prioritization of FY05-FY07 Patient Care IM Strategic Initiatives Committee
2004-2006 ACOSOG Education Committee
2005-2006 Technical Expert Panel (TEP) for the Agency for Healthcare Research and Quality (AHRQ) Small Cell Lung Cancer Management Project
2005 NIH Summit on Medical Device Development: Challenges and Opportunities, Bethesda, MD.
2005-2010 City of Hope Program Leaders Committee
2004-2006 City of Hope Web Information Management
2005-2007 City of Hope Database Steering Committee
2005-2010 City of Hope Surgical Services Committee
2005-2006 Clinical and Scientific Executive Team for City of Hope Strategic Plan 2006
2005-2006 CRIME Subcommittee
2005- American College of Surgeons Esophageal Surgery Club
2005-2006 Working Group to Develop a Consensus on Small Cell Lung Cancer, American Health Research Quality, AHRQ
Nov. 7, 2005 Robotics in Thoracic Surgery, Intuitive Surgery, Sunnyvale, CA, November 7, 2005
2005 Scientific Leadership Council in Lung Cancer, Coalition of Cancer Cooperative Groups Program Committee, Lung Cancer; American Society for Clinical Oncology
Aug-Oct, 2006 Computer Information Selection Committee, City of Hope.
2007 Task Force for Consensus Statement on Video-Assisted Lobectomy with the International Society of Cardiothoracic Surgery. Hotel Regina, Paris, France. April 12-16, 2007.

- 2007 Chairman, Thoracic Development Committee, International Society for Minimally Invasive Cardiothoracic Society
- 2007 Guest Examiner, American Board of Thoracic Surgery, Oral Board Examinations, Marriott-Suites O'Hare, Chicago, Illinois, May 31-June 2, 2007
- 2007-2008 National Cancer Institute Epidermal Growth Factor Receptor Task Force.
- Oct. 17-26, 2007 National Cancer Institute, Epidemiology, International Esophageal and Cardia Cancer Working Group, Trip to Linzhou and 2nd Esophageal & Cardia Cancer Conference and the 8th National Conference on Esophageal Cancer (China)
- Aug, 2007-Jun, 2008 Program Committee, The International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS) 11th Annual Meeting
- Aug, 2007-Jun, 2008 Course Director, Thoracic Surgery PostGraduate Course, The International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS) 11th Annual Meeting, Boston
- Aug-Oct, 2008 Search Committee, Chairman of the Basic and Translational Science Committee, American College of Surgeons Oncology Group
- Nov, 2007-Nov, 2008 Program Committee, ASTRO/ASCO/IASLC/University of Chicago, 2008 Chicago Multidisciplinary Symposium in Thoracic Oncology, November 13-15, 2008, Chicago, Illinois.
- 2008-2010 Surgical Symposia Task Force, Society of Thoracic Surgeons (3-year term)
- 2008-2010 Council Member; Quality, Research and Patient Safety, Society of Thoracic Surgeons
- 2008-2008 International Science Committee, International Association for the Study of Lung Cancer
- 2008 Guest Examiner, American Board of Thoracic Surgery, Oral Board Examinations, Marriott-Suites O'Hare, Chicago, Illinois, June 5-7, 2008
- 2008 Chicago Thoracic Oncology Symposium Organizing Committee
- 2008 American College of Surgeons Oncology Group (ACOSOG) Basic Science Chair Search Committee
- 2008 American Association for Thoracic Surgery (AATS) Annual Meeting Abstract Reviewer for 2009 Meeting
- Aug, 2008-Jun, 2009 Course Director, Thoracic Surgery PostGraduate Course, The International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS) 11th Annual Meeting, Boston
- 2009 World Lung Cancer Congress, Annual Meeting, Abstract Reviewer
- 2009 World Lung Cancer Congress, Annual Meeting, Scientific Advisory Committee
- 2009 Society of Thoracic Surgeons, 46th Annual Meeting, Abstract Reviewer
- 2009 Society of Thoracic Surgeons, 46th Annual Meeting Committee, Co-Chair
- 2009 Society of Thoracic Surgeons, Surgical Symposia TaskForce, TaskForce Chairman
- 2009 American Association for Thoracic Surgery (AATS) Ad Hoc Abstract Reviewer for 2010 Meeting
- 2009 Clinical Robotic Surgery Association, Founding Member and Scientific Advisory for 2009 Meeting
- 2009-2010- Bylaws Committee, International Association for the Study of Lung Cancer
- 2010- Mesothelioma Advisory Board, International Staging Committee of the International Association for the Study of Lung Cancer (IASLC)
- 2010-2011 International Scientific Committee for the 14th World Congress for Lung Cancer (WCLC), Amsterdam.
- 2010 Society of Thoracic Surgeons, 47th Annual Meeting, Abstract Reviewer
- 2010 2010 Chicago Multidisciplinary Symposium in Thoracic Oncology Conference, Abstract Reviewer
- 2010 2010 Chicago Multidisciplinary Symposium in Thoracic Oncology Conference, Organizing Committee
- 2010 2010 Chicago Multidisciplinary Symposium in Thoracic Oncology Conference, Scientific Session Abstract Reviewer
- 2011 Initial Lead for the Lung Cancer Screening Program, UTSW
- 2011 Leader for Tissue Bank improvement and Development of Universal Consent
- 2011 Chairman, Clinical Robotics Committee, UTSW
- 2011 Member, HLV Service Line Committee, UTSW
- 2011 Member, Metabolic Imaging Committee, UTSW
- 2012 Member, Credentials Committee, UTSW
- 2012 Chairman, Revenue Cycle Workgroup, UTSW

2012	Member, Revenue Cycle Committee, UTSW
2012	Member, Simmons Cancer Committee, UTSW
2012	Member, Peer Review Committee, UTSW
2012	Member, Cancer Program Clinical Strategic Planning, UTSW
2012	Member, Ambulatory Services Committee, UTSW
2012	Member, Mentoring Committee, UTSW
2012	Member, Promotions and Tenure Committee, UTSW
2012	Member, Oncology Service Line Clinical Executive Committee, UTSW

DEPARTMENTAL, COLLEGIATE, UNIVERSITY AND NATIONAL SERVICE POSITIONS

1. Clinical Investigator, National Cancer Institute Cancer and Leukemia Group B ID#4351, Cadre Member Surgical Modality Committee
2. Vice Chairman, Thoracic Surgery Sub-Committee, Cancer and Leukemia Group B
3. Surgical Principal Investigator, University of Iowa, Cancer and Leukemia Group B
4. American College of Surgeons Oncology Group, Thoracic Committee
5. University of Iowa Cancer Center Membership. 1996-2004
6. Department of Surgery Site Visit Faculty Core Group, University of Iowa, May 29, 2002
7. Continuous IV Insulin Guideline Committee
8. Veteran's Administration Medical Center Thoracic Surgical Consent Forms Committee, Mark Block, MD, Chair. 2004.
9. Vice Chairman, Workforce on Clinical Trials, Society of Thoracic Surgeons, 2003 to present.
10. Co-Chairman, Clinical Research Training Program, Society of Thoracic Surgeons, 2003 to present.
11. City of Hope Comprehensive Cancer Center membership. 2004-2010.
12. Program Committee, Lung Cancer; Co-Chairman Lung Cancer II and Poster Session, American Society Clinical Oncology Annual Meeting, Orlando, Florida. May 23, 2005.
13. Committee Member, Web Information Management System Committee, City of Hope National Medical Center. 2004 to present.
14. Member of the Directors Committee for the Division of Surgery, City of Hope National Medical Center.
15. Judge for Poster Session. 2nd Annual Poster Session Collaboration: Synergy for Success. Postdoctoral Program. Cooper Auditorium. City of Hope Medical Center and Beckman Research Institute, Duarte, California, July 24, 2009.
16. Abstract reviewer. Society of Thoracic Surgeons Annual meeting. 7 hours 2011
17. Harold C. Simmons Comprehensive Cancer Center membership. 2011-

RELEVANT COMMUNITY INVOLVEMENT

Director, Thoracic Malignancies: Prevention, early diagnosis and treatment. Continuing medical education symposium, Iowa City, IA, March 12-13, 1999.

Director, Iowa teens take charge against tobacco. Iowa City, IA, March 12-13, 1999.

Director, Breath of Fresh Air Days. Iowa City, Coralville, IA and Johnson County in the state of Iowa, March 12-13, 1999.

Director, Lung Cancer: An Evidenced-Based Approach to Successful Treatment. Continuing medical education symposium. Duarte, CA, October 22, 2005

Director, Focus on Thoracic Malignancies. Cooper Auditorium, Duarte, California, October 22, 2005.

Ongoing lectures to schools, classrooms and lay-groups – Tobacco abuse and treatment of thoracic cancers

OTHER

University of Iowa

1. Human Participant Protections Education for Research Teams (NIH)
Iowa Statistical Data on Lung Cancer and Esophageal Cancer

2. Care maps created to record trends in lung and esophageal cancer across the state of Iowa for years 1999-2003.