

David F. Yankelevitz, MD
CURRICULUM VITAE

Business Address

Icahn School of Medicine at Mount Sinai
1 Gustave Levy, Box 1234
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212-241-2813

Current Positions

Professor of Radiology, *Icahn School of Medicine at Mount Sinai Medical Center, New York, NY*
Attending Radiologist, *Icahn School of Medicine at Mount Sinai Medical Center, New York, NY*
Director, Lung Biopsy Service, *Icahn School of Medicine at Mount Sinai Medical Center, New York, NY*
Research Radiologist, *Phoenix Veterans Healthcare System, Phoenix, AZ*

Education

1974-1981 BA/MD, Mathematics, *Brooklyn College of the City of New York and Downstate Medical Center, Brooklyn, New York (seven-year program)*

Internship and Residency

1981-1982 Intern, Internal Medicine, *Staten Island Hospital, New York*
1982-1984 Resident, Department of Radiology, *Long Island College Hospital (now SUNY Downstate Medical Center)*
1984-1986 Resident, Nuclear Medicine, *New York Hospital-Weill Cornell Medical Center, New York, NY*

Fellowship

1986-1987 Fellow, Thoracic Radiology, *Cornell University Medical College, New York, NY*

Academic Appointments

1984-1986 Associate Adjunct Professor in Radiology, *Long Island University, New York, NY*
1987-1993 Assistant Professor of Radiology, *Cornell University Medical College, New York, NY*
1994-1998 Associate Professor of Radiology, *Cornell University Medical College, New York, NY*
1998-2010 Professor of Radiology, *Cornell University Medical College, New York, NY*
2009-2012 Adjunct Professor, *Arizona State University, Tempe, AZ*
2010-present Professor of Radiology, *Icahn School of Medicine at Mount Sinai, New York, NY*

Hospital Appointments

1987-1993 Assistant Attending Radiologist, *New York Hospital-Weill Cornell Medical Center, New York, NY*
1991-2002 Director, Radiology Department; Attending Radiologist, *New York Community Hospital of Brooklyn (New York Presbyterian Hospital Network), Brooklyn, NY*
1994-1998 Associate Attending Radiologist, *New York Hospital-Weill Cornell Medical Center, New York, NY*
1998-2000 Director, Inpatient Radiology, *New York Hospital-Weill Cornell Medical Center, New York, NY*
1998-2010 Attending Radiologist, *New York Hospital-Weill Cornell Medical Center, New York, NY*
2000-2002 Service Chief, *Weill Medical College of Cornell University, New York, NY*
2006-2010 Radiation Safety Committee, *Weill Medical College of Cornell University, New York, NY*
2010-present Attending Radiologist; *Icahn School of Medicine at Mount Sinai Medical Center, New York, NY*
2010-present Director, Lung Biopsy Service, *Icahn School of Medicine at Mount Sinai Medical Center, New York, NY*

Licensure and Certification

1982	Physician (New York State)
1987	Radiology, American Board of Radiology
1987	Nuclear Medicine, American Board of Nuclear Medicine
2010	Physician (Arizona)

Awards

2002	Connie and Priscilla Mack Cancer Advocacy, <i>Miami, FL</i>
2006	SUNY Brooklyn 25th Anniversary Radiology, <i>NY, NY</i>
2008-2013	America's Top Doctors for Cancer
2008-2014	Castle Connolly "America's Top Doctors"
2008-2014	Top Doctors: New York Metro Area
2008	New York Magazine's "Best Doctors in New York", <i>NY, NY</i>
2011	New York Magazine's "Best Doctors in New York", <i>NY, NY</i>
2014-2016	New York Magazine's "Best Doctors in New York", <i>NY, NY</i>
2016	International Association of Radiologists (IAR) "Top Doctor in Brooklyn, NY", <i>NY, NY</i>

Special Lectures

2016	Grand Rounds, Mount Sinai-Beth Israel, <i>NY, NY</i>
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US PatentsNumber:

7,274,810	System and method for three-dimensional image rendering and analysis	9/25/2007
7,499,578	System, method and apparatus for small pulmonary nodule computer aided diagnosis from computed tomography scans	3/3/2009
7,596,401	Method for expanding the domain of imaging software in a diagnostic work-up	9/29/2009
7,660,451	System, method and apparatus for small pulmonary nodule computer aided diagnosis from computed tomography scans	2/9/2010
7,693,729	System and method for conducting a clinical trial study	4/6/2010
7,751,607	System, method and apparatus for small pulmonary nodule computer aided diagnosis from computed tomography scans	7/6/2010
7,873,196	Medical imaging visibility index system and method for cancer lesions	1/18/2011
7,876,939	Medical imaging system for accurate measurement evaluation of changes in a target lesion	1/ 25/2011
7,986, 227	System and method for position matching of a patient for medical imaging	7/26/2011
8,045,770	System and method for three-dimensional image rendering and analysis	10/25/2011
8,050,481	Method and apparatus for small pulmonary nodule computer aided diagnosis from computed tomography scans	11/1/2011
8,165,385	System and method for three-dimensional image rendering and analysis	4/24/2012
8, 577,129	System and method for three-dimensional image rendering and analysis	11/5/2013
9,033,576	Medical imaging system for accurate measurement evaluation of changes	5/19/2015
9, 125,639	Steerable device for accessing a target site and methods	9/8/2015

Professional Organization Memberships

1987-present	Society of Thoracic Radiology
1988-present	Radiological Society of North America
2002-2005	European Thoracic Society
2002-present	International Association for the Study of Lung Cancer

Editorial Appointments

1988-present	Reviewer, <i>Clinical Imaging</i>
1994-2000	Reviewer, <i>Journal of Thoracic Imaging</i>
1996-present	Reviewer, <i>Journal of Computer Assisted Tomography</i>
1999-present	Reviewer, <i>European Respiratory Journal</i>
2000-present	Reviewer, <i>Radiology</i>
2000-present	Reviewer, <i>Radiographics</i>
2003-present	Reviewer, <i>Lung Cancer</i>
2003-present	Associate Editor, <i>Clinical Imaging</i>
2005-present	Reviewer, <i>American Journal of Roentgenology</i>
2005-present	Reviewer, <i>Chest</i>
2008-present	Editorial Board, <i>Clinical Imaging</i>
2009-present	Reviewer, <i>Journal of Thoracic Oncology</i>

National Committees

1993-1995	Member, Thoracic Radiology Notes, Radiological Society of North America (RSNA)
1994-1996	Member, Review of Chest Scientific Exhibits. Radiological Society of North America (RSNA)
1995-1996	Member, Fund Raising, Society of Thoracic Radiology
1996-2002	Advisor, Expert Panel on Thoracic Radiology, American College of Radiology
1998-2000	Member, Grant Review, Society of Thoracic Radiology
1998	Member, Continuous Professional Improvement (CPI)-Chest Module, Am. College of Radiology
2000	Member, Expert Panel & Author ("Workup of Solitary Nodule"), Am. College of Radiology
2017-present	International Consultant, National Cancer Center Screening Project, PI: Ning Wu (Beijing, CH)
2017-present	Member, National Lung Cancer Roundtable (NLCRT): Shared Decision Making Task Group

Review Panels and Committees (NIH)

2000	Member, Progress Review Group for Lung Cancer
2001	Reviewer, Novel Technologies, Bethesda, MD
2001	Reviewer, Ad hoc Grant Review, Diagnostic Imaging, Rockville, MD
2005-present	Member, Data Safety and Monitoring / Lung Tissue Research Consortium, National Cancer Institute, Bethesda, MD
2010	Reviewer, Ad hoc Grant Review, Diagnostic Imaging, Rockville, MD
2011	Reviewer, Ad hoc Grant Review, Diagnostic Imaging, Rockville, MD
2016	Reviewer, Special Study Section
2017	Reviewer, Special Study Section
2018	Reviewer, Special Study Section

Hospital Committees

New York Community Hospital of Brooklyn (NYCHB)

During the period of 1991-2002, I served as Director of the Department of Radiology. My responsibilities included budget preparation, implementation, oversight and strategic planning for all aspects of the Radiology Department's functions. I also initiated the merger of the NYCHB with the New York Hospital Healthcare Network (NYHHN) in 2002. During my time as director at NYCHB /NYHHN I continued my full time activities at Cornell Medical Center. I initiated and implemented multiple joint programs between the NYCHB and NYHHN that are active today. In addition:

1991-1996	Member, Quality Assurance
1991-2002	Member, Executive
1991-2002	Member, Credentials
1993-2001	Member, Fund Raising
1993-2002	Member, Joint Board of Trustees-Staff
1997-2000	Chairman, Ethics
1998-2000	Chairman, Credentials

New York Hospital Healthcare Network (NYHHN)

1995-1996	Member, Steering for Reengineering Radiology Services
1996-2000	Member, Ethics
1996-2000	Member, Meetings of Network Radiology

New York Hospital-Cornell Medical Center

1990-1995	Alternate Member, Radiology Quality Assurance
1990-2000	Member, Hospital Cleanliness
1995-1998	Advisor, Faculty Medical Student Advisor Program
1996-1997	Member, Radiology Quality Assurance
1996-2000	Alternate Member, Formulary
1997-1998	Member, Outpatient Radiology
1997-1999	Elected Member, Radiology Executive
1997-2000	Member, Clinical Pathways (lung cancer, adult asthma, cardiac bypass and lung mass)
1997-2001	Member, PO Marketing
1998-2000	Member, Billing and Business Process Redesign
1998-2000	Member, Billing and Net Collections
1998-2008	Reviewer, Cornell Institutional Review Board (IRB)
2004-2010	Member, Committee of Review
2006-2008	Member, General Clinical Research Center (GCRC)
2006-2010	Member, Radiation Safety

Advisory Boards

1998-2002	CT Advisory Board, <i>General Electric</i>
2016-present	Scientific Advisory Board, <i>GRAIL, Inc.</i>

Current Research Support (continued)

- 1985-1993 Multi-Modality Medical/Radiology Clinical Imaging Rounds
New York Presbyterian Hospital-Weill Cornell Medical Center
 These rounds were initiated to improve communications between Medical and Radiology House Staff and Attendings. Formal rounds were given daily so that all imaging studies on medical inpatients were reviewed and future imaging studies would be recommended.
- 1987-2010 Lung Biopsy Service
New York Presbyterian Hospital-Weill Cornell Medical Center
 This service grew to performing approximately 15 lung biopsies/week with two dedicated nurses and a radiology assistant. Multiple research projects related to the service for molecular characterization were developed and funded.
- 1988-2010 Thoracic Oncology Weekly Conference
New York Presbyterian Hospital-Weill Cornell Medical Center
 Multi-disciplinary conference of pulmonologists, radiologists, thoracic surgeons, oncologists, radiation oncologists, pathologists and cytologists. Patient management planning for in-and outpatients.
- 1989-1996 New York Area Chest Club
 Physicians with special interests in thoracic or pulmonary diseases met 3-4 times per year. The members were from all major teaching hospitals in the New York City area. Outside funding was obtained so that speakers from the US and Canada could be invited to present current research projects.
- 1991-2000 Early Lung Cancer Action Project (ELCAP)
 This was the first CT screening program developed for lung cancer. It compared CTs to radiographs in one thousand participants at two New York City institutions.
- 1992-1996 Seminars in Clinical and Radiology Research
 Participants from the US and Canada were invited to five meetings in April 1992, October 1992, September 1993, October 1994 and February 1995 to develop research topics related to diseases of the chest. All the seminars obtained Category 1 CME credits. Multiple grant proposals were generated, including funded NIH projects.
- 1992-1997 Seminars in Clinical and Radiology Research for the Early Lung Cancer Action Program
 Participants from the US and Canada were invited to discuss current research topics in detail. Outside funding was obtained to sponsor these meetings:

<u>Date</u>	<u>Location</u>	<u>Category Hours</u>
April 2-6, 1992	Vail, CO	13.0
October 7-8, 1992	New York, NY	16.0
September 30, 1993	New York, NY	10.3
May 13, 1994	New York, NY	10.0
September 30, 1994	New York, NY	8.1
February 24, 1995	New York, NY	6.0
May 12, 1995	New York, NY	6.0
October 13, 1995	New York, NY	
January 19, 1996	New York, NY	
May 17, 1996	New York, NY	

1992-1997	<u>Seminars in Clinical and Radiology Research for the Early Lung Cancer Action Program (cont'd)</u>		
	September 27, 1996	New York, NY	
	January 10, 1997	New York, NY	
	May 2, 1997	New York, NY	
	September 26, 1997	New York, NY	
1993-2000	<u>Medical Resident Morning Report Rounds</u>		
	Bi-monthly radiology conference with Medical House Staff. Cases were presented to residents to teach basic radiologic principles and appropriate use of imaging examinations. New technology and its appropriate uses were demonstrated as well.		
1995-2000	<u>NYH-CUMC-New York Community Hospital of Brooklyn, Cardiology Conference</u>		
	Monthly meeting amongst cardiology, cardiothoracic surgery, and radiology from NYH-CUMC and cardiologists and radiologists at NYHCHOB. Meetings were developed for educational purposes as well as a working clinical conference.		
1999-present	<u>International Conferences on Screening for Lung Cancer</u>		
	Organized conferences for all groups performing screening throughout the world to discuss issues of study design, protocols, pathology, biomarkers, and behavioral aspects related to screening research and practice.		
	1st:	Weill Cornell Medical College	New York, NY
	2nd:	Weill Cornell Medical College	New York, NY
	3rd:	Weill Cornell Medical College	New York, NY
	4th:	Weill Cornell Medical College	New York, NY
	5th:	Weill Cornell Medical College	New York, NY
	6th:	American Hospital in Paris	Neuilly sur Seine, FR
	7th:	Weill Cornell Medical College	New York, NY
	8th:	Clinica Universitaria de Navarra	Pamplona, Spain
	9th:	U. of Miami School of Medicine	Miami, FL
	10th:	Weill Cornell Medical College	New York, NY
	11th:	Inst. Nazionale Tumori Regina Elena	Rome, Italy
	12th:	Japan Lung Cancer Society	Nara, Japan
	13th:	Weill Cornell Medical College	New York, NY
	14th:	Holy Cross Hospital	Silver Spring, MD
	15th:	Weill Cornell Medical College	New York, NY
	16th:	Weill Cornell Medical College	New York, NY
	17th:	Luci Curci Cancer Center	Rancho Mirage, CA
	18th:	Rush University Medical Center	Chicago, IL
	19th:	Christiana Care Medical Center	Newark, DE
	20th:	National Press Club	Washington, DC
	21st:	5th Aff. Hospital of Sun Yat-Sen U.	Zhuhai, China
	22nd:	Biodesign Institute, Arizona State U.	Tempe, AZ
	23rd:	Icahn School of Medicine at Mount Sinai	New York, NY
	24th:	Biodesign Institute, Arizona State U.	Tempe, AZ
	25th:	Hadassah Medical Organization	Jerusalem, Israel
	26th:	U. of Miami School of Medicine	Miami, FL
	27th:	Icahn School of Medicine at Mount Sinai	New York, NY
	28th:	Icahn School of Medicine at Mount Sinai	New York, NY
	29th:	Icahn School of Medicine at Mount Sinai	New York, NY
	30th:	Icahn School of Medicine at Mount Sinai	New York, NY
	31st:	National Cancer Institute	Beijing, China

1999-present	<u>International Conferences on Screening for Lung Cancer (continued)</u>		
	32nd: Clinica Universidad de Navarra	Pamplona, Spain	May 9-10, 2015
	33rd: Icahn School of Medicine at Mount Sinai	New York, NY	Dec 4-5, 2015
	34th: Holy Cross Hospital	Silver Spring, MD	May 6-7, 2016
	35th: Icahn School of Medicine at Mount Sinai	New York, NY	Nov 18-19, 2016
	36th: LungCentre, Hirslanden	Zurich, Switzerland	May 5-6, 2017
	37th: Swedish Cancer Center & Hospital	Seattle, WA	Sep 15-16, 2017
	38th: Icahn School of Medicine at Mount Sinai	New York, NY	Mar 16-17, 2018
	39th: Vassar Brothers Medical Center	Poughkeepsie, NY	Oct 16-17, 2018
	40 th : Mount Sinai West	New York, NY	Apr 12-13, 2019
2000-present	<u>International Early Lung Cancer Action Program (I-ELCAP)</u> Established a consortium of 73 institutions in 9 countries to perform screenings -- extending screening research projects to an international network of institutions.		
2001-present	<u>New York Early Lung Cancer Action Project (NY-ELCAP)</u> Established a consortium of 12 institutions in New York State to perform screenings to validate the ELCAP results, and extended the screening research projects to a network of institutions.		
2005-2008	<u>PET/CT program</u> <u>New York Presbyterian Hospital-Weill Cornell Medical Center</u> Developed a comprehensive plan for the PET/CT program, including complete responsibility for recruitment of patients to the center. All cases were interpreted jointly by the Chest division and the Nuclear Medicine division. It included working directly with the division of Thoracic Surgery in developing research protocols.		
2006-2009	<u>Coordinating Center for Clinical Trials</u> <u>New York Presbyterian Hospital-Weill Cornell Medical Center</u> Organized the infrastructure to run clinical trials that have imaging as an endpoint. The trials focus on treatments related to early lung cancer. Currently the center manages two Phase II clinical trials. One of these involves 14 institutions in the US and Europe and has now been completed.		
2007	<u>Lung Cancer Group</u> <u>New York Presbyterian Hospital-Weill Cornell Medical Center</u> This group was organized to foster collaborations between the researchers at the Weill Cornell Medical College in New York City and researchers at the main Cornell campus in Ithaca. http://www.via.cornell.edu/lungcancer/		

2015-present	Initiative for Early Lung Cancer Research on Treatment (IELCART), Co-Principal Investigator Established a consortium of institutions for a prospective cohort study on Stage I NSCLC.	
Workshop I	New York, NY	Jan 31, 2015
Workshop II	New York, NY	Feb 27-28, 2015
Workshop III	New York, NY	Jun 26, 2015
Workshop IV	New York, NY	Sep 18, 2015
1 st Conference (w/ the 33 rd I-ELCAP)	New York, NY	Dec 5-6, 2015
Workshop V	New York, NY	Mar 18, 2016
2 nd Conference (w/ the 34 th I-ELCAP)	Silver Spring, MD	May 6-7, 2016
Workshop VI	New York, NY	Jun 23, 2016
Workshop VII	New York, NY	Sep 23, 2016
3 rd Conference (w/ the 35 th I-ELCAP)	New York, NY	Nov 18-19, 2016
Workshop VIII	New York, NY	Mar 17, 2017
4 th Conference (w/ the 36 th I-ELCAP)	Zurich, Switzerland	May 5-6, 2017
Workshop IX	New York, NY	Jun 23, 2017
5 th Conference (w/ the 37 th I-ELCAP)	Seattle, WA	Sep 15-16, 2017
6 th Conference (w/ the 38 th I-ELCAP)	New York, NY	Mar 16-17, 2018
7 th Conference (w/ the 39 th I-ELCAP)	Hyde Park, NY	Oct 16-17, 2018
8 th Conference (w/ the 40 th I-ELCAP)	New York, NY	Apr 12-13, 2019

Teaching /Faculty Advisor

New York Presbyterian Hospital-Weill Cornell Medical Center

- Introduction to Chest Radiology for medical students
- “Hands-on” sessions and discussions of teaching file cases for medical students
- Clinical rotations for surgical assistants
- Chest Radiology for radiology residents
- Emergency Room lecture for radiology residents
- Daily review of inpatient radiographic and/or CT Studies for radiology residents
- Formal Didactic Conferences in Chest, GI, and GU for radiology residents
- Instruction in Thoracic Needle Biopsy Procedures for radiology residents
- Introduction to Chest Radiology for pulmonary medicine fellows
- Chest CT and MRI for pulmonary medicine fellows
- Thoracic Oncology Conference for pulmonary medicine fellows
- Clinical Pulmonary Conference for pulmonary medicine fellows
- Daily review of inpatient chest radiographs and CT scans with house staff
- Rounds in cardiac and medical intensive care units for house staff
- Didactic lectures in radiologic imaging for house staff
- Bi-monthly case conference with residents
- Chest Radiology lectures; formal case presentations for house staff

Radiology Residents (see Publications)

1. Laura Liberman; 2. Gail Eddens; 3. Lawrence Schwartz; 4. Anna Cajade; 5. William Donovan; 6. Elizabeth Bonaccio; 7. M. Dang; 8. Ami Shah; 9. Debra Chiarella; 10. Irena Iordanescu; 11. Jennifer Smoklin; 12. Maria Shiao; 13. Jennifer Kaplan.

Post-graduate Chest and Research Fellows

1. Pamela Knapp, MD, 1990-1991 Research Fellow; 2. Robert Perone, MD, 1993-1994 Chest Fellow; 3. Claire Handley, MD, 1996-1997 Chest Fellow; 4. Dorith Shaham, MD, 1997-1998 Chest Fellow; 4. Natasha Buckshee, MD, 1998-2000 Research Fellow; 5. Juan Wisnivesky, MD, 1999-2000 Research Fellow; 6. Rosna Mirtcheva, MD, 1999-2000 Research Fellow; 7. Rebecca Johnson, MD, 1999-2000 Research Fellow; 8. Orly Goitein, MD, 1999-2000 Chest Fellow; 9. Polly Yin, MD, 1999-2000 Chest Pathology Fellow; 10. Ali Farooqi, MD 1999-2012 Screening Research Fellow; 11. Ning Wu, MD, 2003-2004 Visiting Research Fellow; 12. Yao Huang, MD, 2006-2007 Visiting Research Fellow; 13. Jain Wei Wang, MD, 2007-2008 Visiting Research Fellow; 14. Dong Ming Xu, MD, 2008-2009.

2010-present: Icahn School of Medicine at Mount Sinai

Medical Students

1. Rachel Miceli BS, 2016

Research Fellows

1. Lijuan Zhang MD, 2011; 2. Yu Maw Htwe MD; 2011-2014; 3. Shijuan Zhao MD, 2012; 4. Jae Lee MD, 2012-2013; 5. Wei Tang MD, 2013-2014; 6. Ying Liu MD, 2013-2014; 7. Mingzhu Liang MD, 2013-2015; 8. Minxia Hu MD, 2014-2015; 9. Xueguo Liu MD, 2014-2015; 10. Maria Teresa Perez Warnisher MD, 2015. 11. Kunwei Li MD, 2015-2017; 12. Xiangmeng Chen MD, 2016-2017; 13. Li Liu MD, 2016-2017; 14. Dan Han MD, 2016-2017; 15. Jessica Gonzalez Gutierrez MD, 2016-2017; 16. Jiayi Liu, 2017; 17. Teng Ma 2017-2018; 18. Ana Jauregaizar MD, 2018; 19. Maham Siddique, MD, 2017-2018.

PhD Students

New York Presbyterian Hospital-Weill Cornell Medical Center (see Publications)

1. William Kostis, PhD (38 joint publications/abstracts)
2. Simina Flutera, PhD

Clinical Care Experience

New York Presbyterian Hospital-Weill Cornell Medical Center

- Provided film interpretations for inpatient radiographic studies
- Provided consultations for pre-operative/admission radiographic studies
- Provided consultations with Attending Staff and House Officers
- Provided noon-time coverage of inpatient radiology
- On call on weekends
- Provided multi-modality imaging rounds
- Interpreted and monitored Chest CTs
- Performed needle localization of pulmonary nodules
- Performed percutaneous needle aspiration biopsies of the lung

Current Institutional Percent Effort

- Research: 50%
- Clinical Care: 50%

Current Research Support

Bristol Meyers Squibb Foundation/Veterans Affairs (PI Moghanaki) 2017-2020 \$1,561,988

Veterans' Access Partnership to Lung Screening (VA-PALS)

The goal is to increase the likelihood of early detection and ultimately reduce the mortality rate of lung cancer by implementing a comprehensive LS patient management system at 10 VA medical centers. This will be achieved through a partnership between I-ELCAP, the VistA Expertise Network, the VA Center for Innovation, and the VA National Teleradiology program. The other goal is to analyze the implementation and performance of the VA-ELCAP management system to guide future expansion of LS services to all Veterans at risk of dying prematurely from lung cancer.

Role: Investigator

R01 CA163772-01A1 NIH/NCI (PI Powell) 2013-2018 \$2,728,471

Lung Adenocarcinoma Invasion Genomics

This project focuses on characterizing the molecular mechanisms important for the acquisition of invasion in lung adenocarcinoma, the initial step of metastasis. The focus is to expand genomics examination of focal somatic copy number alterations, examine the role of stromal influences on invasion, investigate the diagnostic and therapeutic implications of gene amplification, and to understand the mechanisms that repress invasion in AIS and promote invasion in adenocarcinoma using RNA and DNA microarrays, whole exome sequencing, and fluorescent in situ hybridization.

Role: Co-investigator

Icahn School of Medicine at Mount Sinai

1/2011—Indefinitely

Fine Needle Aspiration (FNA) Biopsy Registry

The registry collects images from CT scans of the chest and correlates this with information obtained from cytologic biopsies of lung nodules. In this way we can learn about how well phenotypic findings obtained from the CT scan correlate with the genetic findings from the biopsies.

Role: PI

Past Research Support

1. Screening for Early Lung Cancer
Kodak Grant, 1993-1994, \$40,000
PI: Claudia Henschke, Co-PI: David Yankelevitz
2. Screening for Early Lung Cancer
General Electric Grant, 1994-1995, \$40,000
PI: Claudia Henschke, Co-PI: David Yankelevitz
3. Early Lung Cancer Registry
Paul Newman Fund, 1993-1994, \$10,000
PI: Daniel Libby, Investigator: David Yankelevitz
4. Neural Net Characterization of Small Pulmonary Nodules
Rome Laboratories and Booz Allen, Hamilton: 1994-1996, \$200,000
PI: Claudia Henschke, Co-PI: David Yankelevitz
5. Diagnosis and Detection of Early Lung Cancer Using CT
National Cancer Institute, 1995-1999, R01-CA-63393, \$615,000
PI: Claudia Henschke, Investigator: David Yankelevitz
6. Evaluation of Pulmonary Nodules
Rome Laboratory, 1996-1997, \$17,000
PI: Claudia Henschke
7. Repeat CT Imaging for Early Diagnosis of Lung Cancer
National Cancer Institute, 1999-2002, R01-CA-78905, \$1,161,000
PI: David Yankelevitz
8. CT Venography in Conjunction with CT Pulmonary Angiography
Weill Cornell Medical College. Departmental Seed Grant, 7/97-7/98, \$2,900
PI: Ami Shah (Radiology Resident), Advisor: David Yankelevitz
9. Utility of CT Venography Combined with CT Pulmonary Angiography
Society of Thoracic Radiology, 1997-1998, \$8,000
PI: Ami Shah (Radiology Resident), Advisor: David Yankelevitz
10. Quantitative Analysis of Pulmonary Nodules
Whittaker Foundation Grant, 1998-2001, \$200,000
PI: Binsheng Zhao DSc, Advisory: David Yankelevitz
11. Early Lung Cancer Detection, Diagnosis, Treatment, and Prevention
CUMC Pre-program project award, 1999, \$50,000
PI: Claudia Henschke, Co-PI: David Yankelevitz
12. Early Repeat CT Imaging for Evaluation of Solitary Lung Nodules
National Cancer Institute, R01-78905. 1999-2002 for \$1,244,431
(including supplemental Funding of \$493,088 for ELCAP)
PI: David F. Yankelevitz
13. Spore in Lung Cancer: Web Based Pathology File for Early Lung Cancer
National Cancer Institute, 2000-2001, Vanderbilt University, Small Spore Grant, \$31,000
Principal Investigator: David Yankelevitz
14. Spore in Lung Cancer: Web Based Radiology Teaching File for Early Lung Cancer,
National Cancer Institute, 2000-2001, Vanderbilt University, Small Spore Grant, \$31,000
PI: Claudia Henschke, Investigator: David Yankelevitz
15. Foundation for Lung Cancer: Early Detection, Prevention and Treatment
2000-2003, \$2,400,000
PI: Claudia I. Henschke, Co PI: David F. Yankelevitz
16. Computer Aided Diagnosis of Pulmonary Nodules with Digital Chest Radiography
Kodak, 2000-2002, \$175,000
PI: David Yankelevitz, CO-PI: Claudia I. Henschke

Past Research Support (continued)

17. The New York Early Lung Cancer Action Program
AMDeC, 2000-2003, \$4,500,000
PI: Claudia Henschke, Co-PI: David Yankelevitz
18. Prospective Investigation of Pulmonary Emboli (PIOPED II)
NHLBI, 2001-2005, Cooperative Group, \$20 million
PI: Cornell Site: H.D. Sostman, Investigator: David Yankelevitz
19. Evaluation of COX-2 and Chemotherapy I Treatment of Early Stage Lung Cancer
Pfizer, 2001-2003, \$250,000
PI: Nasser Altorki, Investigator: David Yankelevitz
20. Digital Chest Project, Kodak Research Agreement
2001-2002, \$175,000
Co-PIs: Claudia I. Henschke and David F Yankelevitz
21. Database Computer Aided Detection
General Electric Corporate R & D. 2002-2003, \$99,644
PI: Claudia I. Henschke, Co PI: David F. Yankelevitz
22. Volumetric CT for Lung Cancer and General Thoracic Imaging
Department of Defense, 2002-2005. WMC for \$629,800
PI: Claudia I. Henschke, Investigator: David F. Yankelevitz
23. NY-ELCAP Pathology Review
American Cancer Society, 2001-2006, \$250,000
PI: Claudia I. Henschke, Co PI: David F. Yankelevitz
24. Analysis of CXR as a Screening Technique for Lung Cancer
Kodak, 2002-2003, \$73,000
PI: David Yankelevitz
25. Modeling Lung Cancer: Risks, Progression and Screening
National Cancer Institute. U01 CA097431. 2002-2010. \$1,000,000
PI: M Kimmel, Co-PI: Cornell: C. Henschke
26. Reader Variability in Nodule Assessment on CT
General Electric, 2002-2003 \$100,000
PI: David F. Yankelevitz
27. Spore in Lung Cancer
National Cancer Institute. Vanderbilt University, Small Spore Grant. 2004-2005. \$25,000
PI: Claudia I. Henschke, Co PI: David F. Yankelevitz
28. Surveillance for Second Primary Lung Cancer
Cancer Research and Prevention Foundation of America. 2005-2007, \$80,000
PI: Robert Korst. Investigator: David F. Yankelevitz
29. New Approaches to Assess Treatment Response of Lung Cancer
Cancer Research and Prevention Foundation of America. 2005-2007, \$110,000
PI: David F. Yankelevitz
30. Develop a Public Database to Facilitate the Image Tools to Assess Drug Response for Lung Cancer. Cancer Research Foundation. 2005-2007. \$120,000
Co-PIs: C. Henschke and D. Yankelevitz
31. CT Screening and Smoking Cessation
American Legacy Foundation. 2005-2013. \$2,100,000
PI: C. Henschke, Investigator: Y Yankelevitz
32. Evaluation of Computer-aided Techniques for Assessment of Emphysema
Astra Zeneca: 2006-2007, \$100,000
PI: David F. Yankelevitz

Past Research Support (continued)

33. Development and CAD Assessment of a PN Database (LIDC)
National Cancer Institute. U01 CA09110-05-08. 2001-2008, \$1,623,140
PI: David F. Yankelevitz
34. Pilot Reference Image Database to Evaluate Response to Drug Therapy
National Cancer institute: 3 R01 CA78905-06S1-S3. 2007-2008, \$510,133
PI: David F. Yankelevitz
35. Computer Detection of Nodules of the Lung
National Cancer Institute, R33 CA101110-04. 2005-2009, \$400,000
PI: A Reeves, Sub-contract. Investigator: David F. Yankelevitz
36. Repeat CT Imaging for Diagnosis of Lung Cancer: Second Order Considerations, National Cancer Institute, R01-78905. 2004-2009, \$878,181
PI: David F. Yankelevitz
37. Evaluation of Tumor Response: VEG105290. Imaging Coordinating Center
GlaxoSmithKline: 2006-2009, \$450,000
PI: David F. Yankelevitz
38. Molecular Markers of Early Versus Late Lung Cancer
Astra Zeneca: 2007-2009, \$200,000
PI: Maureen Lane. Investigator: David F. Yankelevitz
39. Neo-Adjuvant Tarceva in Stage I Lung Cancer
OSI Pharmaceutical: 2006-2009, \$86,000
PI: Nasser Altorki. Investigator: David F. Yankelevitz
40. Smoking Cessation in the Context of CT Screening for Lung Cancer
American Legacy Foundation: 2006-2009, \$1,600,000
PI: Claudia Henschke. Investigator: David F. Yankelevitz
41. Molecular Markers of Early Versus Late Lung Cancer
Astra Zeneca: 2007-2009, \$200,000
PI: Maureen Lane. Investigator David F. Yankelevitz
42. Neo-Adjuvant Tarceva in Stage I Lung Cancer
OSI Pharmaceutical: 2006-2009, \$86,000
PI: Nasser Altorki. Investigator David F. Yankelevitz
43. Smoking Cessation in the Context of CT Screening for Lung Cancer
American Legacy Foundation: 2006-2009, \$1,600,000
PI: Claudia Henschke. Investigator: David F. Yankelevitz
44. Computer Assisted Targeting of Pulmonary Nodules
National Cancer Institute: STTR funding period 2007-2008, \$200,000
PI: David F. Yankelevitz
45. Improving Interpretation of Portable CXR in the ICU
Carestream Health: 2008-2011, \$300,000
Co-PIs: David F. Yankelevitz and Claudia Henschke
46. Agency for Toxic Substances and Disease Registry (ATSDR) Grant.
The Libby Epidemiology Research Program. 2009-2015
LERP, PI: R. Flores. Role: Co-investigator
47. Fostering Open Science for Lung Cancer Lesion Sizing Under Insight Toolkit
National Library of Medicine 2010- 2011, \$200,000
PI: Ricardo Avilla. PI subcontract: David Yankelevitz
48. Pulmonary Diseases in World Trade Center (WTC) Workers: Symptoms, Function, and Chest CT Correlates
NIOSH/CDC 2012-2016, \$489,642
Role: Co-investigator

Past Research Support (continued)

49. Screening for Respiratory and Cardiac Diseases in Never-smokers Exposed to Secondhand Tobacco Smoke. Flight Attendants Medical Research Institute (FAMRI). Centers of Excellence. 2007-2018. \$14,580,000
Role: Co-PI

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111. Radiological Society of North America Scientific Session. Armato S, Presenter. Starkey A, MacMahon H, McLennan G, **Yankelevitz D**, McNitt-Gray M, et al. Exhibit - Toward a Definition of Lung Nodule: A Visual Nodule Library Resource. Nov 28, 2004; #4406383: 708
112. Radiological Society of North America Scientific Session. Farooqi A, Smith J, Kramer A, McCauley D, **Yankelevitz D**, Henschke C. Growth of Lung Cancers Associated with Thin Walled Cystic Spaces. Nov 29, 2004; # 4411795: 324
113. Radiological Society of North America Scientific Session Wu N, Libby D, Lee JJ, Farooqi A, **Yankelevitz D**, Henschke CI, et al. CT Screening for Lung Cancer: The Value of Short-Term CT Follow-up and Antibiotics. Dec 2, 2004; #4409476: 608
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115. SPIE Scientific Session. Enquobahrie AA, Reeves AP, **Yankelevitz DF**, Henschke CI. Automated detection of solid pulmonary nodules from whole lung helical CT scans: performance comparison for isolated and attached nodules. San Diego, CA. February 2005
116. American Association for Cancer Research Scientific Session. Lane E, **Yankelevitz D**, Henschke CI, Vazquez MF, Zhang A, Kramer A, Yu B, Wadler S. Pulmonary fine needle aspirates (FNA) with diverse radiographic appearances exhibit distinct patterns of gene expression. April 2005
117. American Association for Cancer Research Scientific Session. Gill R, Kramer A, Vazquez MF, Heselmeyer K, Ried T, Henschke CI, **Yankelevitz DF**, Jen J. Chromosomal amplification predict neoplastic potential of cells in fine needle biopsy of abnormal nodules detected by spiral CT. April 2005
118. International Association for the Study of Lung Cancer Scientific Session. Jen J, Rajbir K, Gill RK, Kramer A, Vazquez MF, Heselmeyer-Haddad K, Ried T, Henschke CI, **Yankelevitz DF**. Chromosomal Amplification as a Molecular Marker to Predict Neoplastic Potential in Fine Needle Aspiration Biopsies of Spiral CT Identified Small Lung Nodules. Barcelona 2005
119. 1st World Congress of Thoracic Imaging and Diagnosis of Chest Disease Scientific Session. **Yankelevitz DF**, Henschke CI, Kramer A, Reeves A. PET Scanning in the evaluation of nonsolid nodules. May 8, 2005
120. 1st World Congress of Thoracic Imaging and Diagnosis of Chest Disease Scientific Session. Henschke CI and the I-ELCAP Investigators. Relationship of tumor size to stage. May 8, 2005
121. 1st World Congress of Thoracic Imaging and Diagnosis of Chest Disease Scientific Session. Huo A, **Yankelevitz DF**, Henschke CI, Kostis W, Wandtke J, Paul N. Potential benefit of computer-aided diagnosis: detection of subtle pulmonary lung nodules on chest radiography. May 9, 2005

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123. American Society of Clinical Oncology Scientific Session. I-ELCAP Investigators. Screening for lung cancer: individualized benefit by risk indicators for the first round of screening. May 16, 2005
124. American Society of Clinical Oncology Scientific Session. Henschke CI, Yip R, **Yankelevitz DF**, Miettinen. CT screening for lung cancer: risk of dying of competing causes of death. May 17, 2005
125. International Association for the Study of Lung Cancer Scientific Session. I-ELCAP Investigators. CT Screening for lung cancer: staging of multiple lung cancers without other evidence of metastases. July 4, 2005
126. International Association for the Study of Lung Cancer Scientific Session. I-ELCAP Investigators. CT screening for lung cancer: the relationship of disease stage to tumor size. July 5, 2005
127. International Association for the Study of Lung Cancer Scientific Session. I-ELCAP Investigators. The risk of lung cancer among men and women. July 6, 2005
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130. Radiological Society of North America Scientific Session. Henschke C, **Yankelevitz D**, Kramer A, Vazquez M, Farooqi A, Sartor E. Comparison of FDG-PET with fine needle aspiration biopsy of solitary pulmonary nodules 10 mm or less in diameter. December 1, 2005
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133. US and Canadian Academy of Pathology. Carter D, Vazquez M, Flieder DF, Brambilla E, Gazdar A, Noguchi M, Travis WD, Kramer A, Yip R, **Yankelevitz D**, Henschke CI. 2006 Annual Meeting Screening for lung cancer: correlation of pathologic findings on baseline to annual repeat cancers. 19 Suppl 1:304A (abstract 1417). Atlanta, Georgia 2006
134. Flight Attendants Medical Research Institute. Wadler S, **Yankelevitz DF**, Henschke CI, Vazquez MF, Xiang Z, Kramer AL, Campagne F, Lane ME. Patterns of Gene Expression in Early Lung Adenocarcinomas exhibit a Gender Bias. Weill Medical College of Cornell University and the Early Lung Cancer Action Project. New York, NY 10021. May, 2006
135. Radiological Society of North America Scientific Session. Armato SG, Roberts RY, Aberle DR, Kazerooni EA, Van Beek EJ, **Yankelevitz DF**, et al. Radiologist Agreement in the Identification of Lung Nodules in CT Scans. Chicago, IL. November 29, 2006

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140. Radiological Society of North America Scientific Session. McNitt-Gray M, Armato S, Meyer C, Reeves A, Pais R, Freymann J, et al. The Lung Image Database Consortium (LIDC) Data Collection Process Model: An Approach to Establish Truth for Nodule Detection and Annotation. Nov 22, 2006
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142. SPIE International Symposium on Medical Imaging. Fotin SV, Reeves AP, Cham MD, **Yankelevitz DF**, Henschke CI. Segmentation of coronary arteries from CT angiography images San Diego, CA. Feb 2007
143. SPIE International Symposium on Medical Imaging. Browder WA, Reeves AP, Apanasovich T, Cham MD, **Yankelevitz DF**, Henschke CI. Automated volumetric segmentation method for growth consistency of nonsolid pulmonary nodules in high-resolution CT. San Diego, CA. Feb 2007
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146. SPIE International Symposium on Medical Imaging. Keller BM, Reeves AP, Cham MD, Henschke CI, **Yankelevitz DF**. Semi-automated location identification of catheters in digital chest radiographs. San Diego, CA. Feb.2007
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149. IEEE International Symposium on Biomedical Imaging: From Macro to Nano. Jirapatnakul AC, Reeves AP, Apanasovich TV, Biancardi DF, **Yankelevitz DF**, Henschke CI. Pulmonary nodule classification: size distribution issues. April 2007.
150. Radiological Society of North America Scientific Session. Huang Y, Cham MD, **Yankelevitz DF**, Henschke CI. Missed lung cancer in dedicated coronary CT angiography. Chicago, IL. November 26, 2007
151. Radiological Society of North America Scientific Session. Lee J, Reeves AP, Fotin S, Apanasovich R, **Yankelevitz DF**, Henschke CI. Precision of automated airway measurements in CT images. November 26, 2007
152. Radiological Society of North America Scientific Session. Jirapatnakul AC, Reeves AP, Biancardi AM, Apanasovich R, **Yankelevitz DF**, Henschke CI. A comparison of automated and manual methods for growth rate measurement of solid pulmonary nodules. November 28, 2007
153. Radiological Society of North America Scientific Session. Keller B, Reeves AP, Apanasovich T, **Yankelevitz DF**, Henschke CI. Variation measurements of standard emphysema quantification from low dose CT scans. November 29, 2007
154. ESTI Scientific Session Reeves A, Jirapatnakul A, Apanasovich T, Biancardi A, **Yankelevitz D**, Henschke C. Segmentation of solid and non-solid artificial lung nodules: a phantom study. June 8 2007
155. ESTI Scientific Session. Keller B, Reeves A, **Yankelevitz D**, Henschke C. Variation of emphysema index with lung volume on CT images June 9 2007
156. Radiological Society of North America Scientific Session. Goodman LR, Stein PD, Matta F, Sostman H, Wakefield TW, P K Woodard, et al. CT Venography and Compression Ultrasound are Diagnostically Equivalent: Data from PIOPED II. Nov 27 2007
157. Radiological Society of North America Scientific Session. "Truth" and Radiologist Performance in the Detection of Lung Nodules. Armato SG, MacMahon HM, Aberle DR, Kazerooni EA, Van Beek EJ, **Yankelevitz DF**, et al. Nov 27 2007
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159. Radiological Society of North America Scientific Session. Lee J, Reeves AP, Apanasovich T, **Yankelevitz DF**, Henschke CI. Automated Airway Analysis in Low-Dose CT. December 1, 2008
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163. Radiological Society of North America Scientific Session. Austin J, Yip R, D'Souza B, Wang J, **Yankelevitz DF**, Henschke CI. Small-Cell Carcinoma of the Lung Detected by CT Screening: the I-ELCAP Experience. December 3, 2008
164. SPIE International Symposium on Medical Imaging. Lee J, Reeves AP, **Yankelevitz DF**, Henschke CI. Bronchial Segment Matching in Low-dose CT Scan Pair. Feb 2009
165. SPIE International Symposium on Medical Imaging. Biancardi AM, Reeves AP, Jirapatnakul AC, Mann H, **Yankelevitz DF**. Computer Aided Boundary Marking of Lesions. 2009
166. Radiological Society of North America Scientific Session. Zulueta JJ, Wisnivesky J, Henschke CI, Yip R, Farooqi AO, Chen M, McCauley D, **Yankelevitz D**. Ordinal scoring of emphysema on ungated, low-dose CT scans of the chest predicts death form COPD and lung cancer. November 30, 2009
167. Radiological Society of North America Scientific Session. Henschke CI, Boffetta P, Yip R, **Yankelevitz DF**, Smith JP, Libby DM, Pasmantier MW. Reduction in lung cancer mortality as a result of CT screening. December 1, 2009
168. SPIE International Symposium on Medical Imaging. Keller B, Reeves A, Henschke C, **Yankelevitz D**, Barr RG. Emphysema Quantification from CT Scans Using Novel Application of Diaphragm Curvature Estimation: Comparison with Standard Quantification Methods and Pulmonary Function Data. 2009
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177. Radiological Society of North America Scientific Session. Xu DM, Farooqi A, Cham M, Yip R, **Yankelevitz DF**, Henschke CI. Lung cancer detected in annual low-dose CT screens: did we “miss” them in the prior round? November 29, 2010
178. Radiological Society of North America Scientific Session. Avila R, **Yankelevitz D**, Henschke C, Krishnan K, Voss A, Zahlmann G, Archer V, Reeves A, Rothenberg L. The Evaluation of a New Pocket-Sized CT Calibration Phantom. Dec 3, 2010
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181. American Thoracic Society. Wisnivesky J, Yip R, Hanaoka T, Bauer T, Inderbitzi R, Ayer R, Kohman L, Sheppard B, Thurer R, Smith MV, Mayfield W, Grannis F, Korts R, Pass H, Straznicka M, Wood R, **Yankelevitz D**, Henschke C. Limited Resection for the treatment of screen-detected stage IA lung cancer. May 2011
182. International Association for the Study of Lung Cancer Scientific Session. Henschke CI, Yip R, Smith JP, **Yankelevitz DF**, Miettinen OS for the I-ELCAP Investigators. CT Screening for Lung Cancer: Update of the Definition of Positive Test Result and its Implications. July 5, 2011
183. ASTRO Scientific Session. Buckstein M, Yip R, Gaspar LE, **Yankelevitz DF**, Henschke CI. Rosenzweig KE. Radiation Therapy for Early Stage Lung Cancer Detected by CT Screening: Results from the I-ELCAP Program. September 2011
184. Radiological Society of North America Scientific Session. Henschke C. International Early Lung Cancer Investigators. Update on the definition of positive test results and its implication. December 1, 2011. (Radiological Society of North America on the air: estimated audience: national: 1,543,800; NYC: 785,000)
185. SPIE International Symposium on Medical Imaging. Reeves AP, Biancardi AM, **Yankelevitz DF**, Cham MD, Henschke CI. Heart region segmentation from low-dose CT scans: an anatomy based approach. Feb 2012
186. American Heart Association Scientific Session. Pozo E, Cham MD, Kadoch MA, **Yankelevitz DF**, Henschke CI, Yip R, Matarazzo TJ, Hecht HS. Effects of iterative reconstruction on coronary artery calcium scoring. Circulation. November 5, 2012.

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188. Radiological Society of North America Scientific Abstract. Xu D, Yip R, Shah P, Taylor J, Peeke J, Widmann M, Herzog G, Dockery D, Bennett J, Krebs H, Yoder M, Frumiento C, Welch L, Cheung EH, Scheinberg P, **Yankelevitz DF**, Henschke CI. Dual readings of initial baseline screenings at new sites is useful in decreasing the frequency of positive result and thus of further workup. November 28, 2012
189. American College of Cardiology Scientific Abstract. Hecht HS, **Yankelevitz DF**, Henschke CI, Yip R, Boffetta P, Shemesh J, Cham M, Narula J. Secondhand tobacco smoke in never smokers is a significant risk factor for coronary artery calcification. San Francisco, CA. March 10, 2013
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192. Third Annual TMII Symposium-2013: Translational and Molecular Imaging Institute. **Yankelevitz DF**, Avila R, Henschke CI. New York, NY. March 2013
193. 15th World Conference on Lung Cancer. Yip R, **Yankelevitz DF**, Henschke, CI. CT Screening for Lung Cancer: Definition of Positive Test Result in the National Lung Screening Trial CT cohort compared with I-ELCAP. Sydney, Australia. Oct 28, 2013
194. 15th World Conference on Lung Cancer. Henschke CI, Yip R, **Yankelevitz DF**. The importance of a Regimen of Screening to Maximize Early Diagnosis and Treatment of Lung Cancer. Sydney, Australia. Oct 28, 2013
195. Radiological Society of North America Scientific Session. Cham M, Henschke CI, **Yankelevitz DF**, Ward R, Cohen S. Minimizing Z-axis scan length during chest CT: guidelines for dose reduction. Chicago, IL. Dec 5, 2013
196. Computer Assisted Radiology and Surgery (Joint Congress of CARS/ISCAS/CAR, CMI, CAD). San José Estépar R, Reeves AP, **Yankelevitz DF**, Henschke CI, Mendelson D, de La Hoz R. A quantitative method for mosaic gas trapping based on residual mass. CARS 2014. Fukuoka, Japan. June 25-28, 2014
197. Radiological Society of North America Scientific Session. Henschke CI, Yip R, Smith JP, Liang M, Xu D, **Yankelevitz DF**. CT Screening for Lung Cancer: the frequency of nonsolid nodules, rate of malignancy and long-term, survival in a large, long-term database. Chicago, IL. Nov 30, 2014
198. Radiological Society of North America Scientific Session. Liu Y, Kostakoglu L, Stempler L, Htwe Y, Salvatore MM, **Yankelevitz DF**, Henschke CI. Predicting the Metabolic Activity of Nonsolid Nodules with Low Histologic Grade Lung Cancer Based on Corrected SUV. Chicago, IL. Nov 30, 2014

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200. Radiological Society of North America Scientific Session. Htwe Y, Cham MD, Yip R, Jirapatnakul AC, **Yankelevitz DF**, Henschke CI. Coronary Artery Calcification on Low-Dose Computed Tomography: Comparison of Agatston and Ordinal scores. Chicago, IL. Dec 1, 2014
201. Radiological Society of North America Scientific Session. Yip R, **Yankelevitz DF**, Henschke CI. Lung Cancers Showing Growth in Only the Short-axis Dimension (Width): the Advantage of Using the Average Diameter. Chicago, IL. Dec 1, 2014
202. Scientific Session of the American Thoracic Society. Henschke CI, Salvatore M, Flores R, Powell CA, Difabrizio L, Kaufman A, Eber C, Yip R, **Yankelevitz DF**. CT screening for lung cancer: the probability of lung cancer depends on the round of screening and the nodule consistency. May 2015
203. European Respiratory Society. De la Hoz RE, Doucette J, San Jose Estépar R, Henschke CI, **Yankelevitz DF**, Alger A. Quantitative chest CT measurements in World Trade Center workers and volunteers. Amsterdam, Netherlands [September 2015]. Eur Respir J. 2015; 46(Suppl59): PA2269
204. Society of Thoracic Surgery. Schwartz RM, Taioli E, Taylor TN, Flores R, **Yankelevitz D**, Ross S, Henschke C. Analysis of a focus group discussion with early stage lung cancer survivors on their perceptions of the surgical decision-making process. Poster presentation. Phoenix, AZ. March, 2016
205. JACC Cardiovasc Imaging. Margolies L, Salvatore M, Hecht HS, Kotkin S, Yip R, Baber U, Bishay V, Narula J, **Yankelevitz D**, Henschke C. Digital Mammography and Screening for Coronary Artery Disease. March 8, 2016 (led to many TV interviews and news articles)
206. Radiological Society of North America 102nd Scientific Assembly and Annual Meeting. Margolies L, Salvatore M, Hecht HS, Kotkin S, Narula J, **Yankelevitz D**, Henschke C. Breast Arterial Calcification Scoring: Using Mammography to Assist Our Primary Care Physicians in Identifying Those at Risk for Cardiovascular Disease. Nov 27 - Dec 2, 2016. McCormick Place, Chicago, IL
207. American Heart Association Scientific Session. Hecht H, **Yankelevitz DF**, Cham MD, Yip R, Narula J. The Association of Second Hand Tobacco Smoke With Obstructive and Nonobstructive Atherosclerosis as Assessed by Coronary Computed Tomographic Angiography. November 13, 2016. New Orleans, LA
208. 17th IASLC World Conference on Lung Cancer. Li K, Yip R, Avila, RS, Henschke CI, **Yankelevitz DF**, Icahn School of Medicine, New York City, NY/ United States of America, Accumetra, Rexford, NY/United States of America. The Effect of Rounding on Rate Positive Results on CT Screening for Lung Cancer. December 5, 2016. Vienna, Austria
209. 17th IASLC World Conference on Lung Cancer. Tran BV, Nicastrì DG, Yip R, Li K, Xu DM, Beasley MB, Salvatore M, **Yankelevitz DF**, Henschke CI, Flores R, Icahn School of Medicine at Mount Sinai Hospital, Icahn School of Medicine, New York. Evaluation of Stage 1 Sub-Solid Nodules Using PET Imaging. December 5, 2016. Vienna, Austria

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211. 17th IASLC World Conference on Lung Cancer. Flores R, Henschke CI, Taioli E, **Yankelevitz DF**, Icahn School of Medicine at Mount Sinai, Hofstra North Shore-LIJ School of Medicine, Kingsbrook Jewish Medical Center, New York. A Review of Quality of Life Measures Used in Lung Cancer Surgical Outcomes. December 5, 2016. Vienna, Austria
212. 17th IASLC World Conference on Lung Cancer. Yip R, Taioli E, Schwartz R, Li, K, Tam K, Htwe YM, **Yankelevitz DF**, Icahn School of Medicine at Mount Sinai, New York City, NY/ United States of America. Initiative for Early Lung Cancer Research on Treatment (IELCART) December 6, 2016. Vienna, Austria
213. American Thoracic Society Scientific Session. Optimizing Lung Cancer Screening Criteria: The Role of Emphysema in the SP-IELCAP Lung Cancer Screening Cohort. Washington, DC. May 19-24, 2017
214. American Thoracic Society Scientific Session. Steiger D, Filopei J, Siddiqi M, Yip R, **Yankelevitz DF**, Henschke CI. on behalf of the I-ELCAP investigators. Evidence of Emphysema in a Cohort of Participants without Symptoms Undergoing Low Dose Chest CT Screening for Lung Cancer. ATS May 23, 2017. Am J Respir Crit Care Med 2017; 195:AS177, Washington DC
215. Expanding Research Partnerships: State of the Science. Branch AD, Chen X, Li K, Yip R, Perumalswami P, Lewis S, Delbello D, Becker BJ, **Yankelevitz DF**, Boffetta P, Crane M, Henschke CI. Higher prevalence of liver steatosis (non-alcoholic fatty liver disease) in members of the World Trade Center Health Program general responder cohort than in non-responders. June 21-22, 2017. Denver-Aurora, CO.
216. The Association of VA Hematology/Oncology (AVAHO). Moghanaki D, Avila R, Aguayo S, Yip R, Jirapatnakul A, **Yankelevitz DF**, Henschke CI. Veterans Affairs Partnership to Increase Access to Lung Cancer Screening Implementation Network (VA-PALS) Sept 15-17, 2017. Denver, CO.
217. American Radium Society Scientific Session. Berlin E, Buckstein M, Yip R, **Yankelevitz DF**, Henschke CI, Rosenzweig K. Radiation therapy for Stage I lung cancer detected on computed tomography screening: results from the International Early Lung Cancer Action Program. May 5-8, 2018, Orlando, FL
218. SPIE Medical Imaging Scientific Session. Fuhrman J, Crosby J, Yip R, Henschke CI, **Yankelevitz DF**, Giger M. Detection and classification of coronary artery calcifications on low-dose thoracic CTs. San Diego, CA, February 20, 2019
219. American Association of Physicists in Medicine 2019. Fuhrman J, Crosby J, Yip R, Henschke CI, **Yankelevitz DF**, Giger M., Deep learning in the task of detecting coronary artery calcifications in low-dose thoracic CTs. San Antonio, TX, 2019
220. Radiological Society of North America. Fuhrman J, Crosby J, Henschke CI, **Yankelevitz DF**, Giger M. Detection and Classification of Coronary Artery Calcifications in Low Dose Thoracic CT Using Deep Learning, Chicago, IL, November 2019

