

David F. Yankelevitz, MD  
CURRICULUM VITAE

**Business Address**

Icahn School of Medicine at Mount Sinai  
1 Gustave Levy, Box 1234  
New York, NY 10029  
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 Patents

### Number:

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

### **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
			Oct 1-2, 1999
	2nd:	Weill Cornell Medical College	New York, NY
			Feb 25-27, 2000
	3rd:	Weill Cornell Medical College	New York, NY
			Oct 27-29, 2000
	4th:	Weill Cornell Medical College	New York, NY
			Feb 23-25, 2001
	5th:	Weill Cornell Medical College	New York, NY
			Oct 26-28, 2001
	6th:	American Hospital in Paris	Neuilly sur Seine, FR
			Apr 5-7, 2002
	7th:	Weill Cornell Medical College	New York, NY
			Oct 18-20, 2002
	8th:	Clinica Universitaria de Navarra	Pamplona, Spain
			Apr 25-27, 2003
	9th:	U. of Miami School of Medicine	Miami, FL
			Oct 24-25, 2003
	10th:	Weill Cornell Medical College	New York, NY
			Apr 24-25, 2004
	11th:	Inst. Nazionale Tumori Regina Elena	Rome, Italy
			Oct 15-17, 2004
	12th:	Japan Lung Cancer Society	Nara, Japan
			Apr 8-10, 2005
	13th:	Weill Cornell Medical College	New York, NY
			Oct 21-23, 2005
	14th:	Holy Cross Hospital	Silver Spring, MD
			Apr 21-23, 2006
	15th:	Weill Cornell Medical College	New York, NY
			Oct 20-22, 2006
	16th:	Weill Cornell Medical College	New York, NY
			Apr 20-22, 2007
	17th:	Luci Curci Cancer Center	Rancho Mirage, CA
			Oct 19-21, 2007
	18th:	Rush University Medical Center	Chicago, IL
			Apr 25-27, 2008
	19th:	Christiana Care Medical Center	Newark, DE
			Oct 24-25, 2008
	20th:	National Press Club	Washington, DC
			Apr 7-8, 2009
	21st:	5th Aff. Hospital of Sun Yat-Sen U.	Zhuhai, China
			Oct 24-25, 2009
	22nd:	Biodesign Institute, Arizona State U.	Tempe, AZ
			Mar 19-21, 2010
	23rd:	Icahn School of Medicine at Mount Sinai	New York, NY
			Oct 22-23, 2010
	24th:	Biodesign Institute, Arizona State U.	Tempe, AZ
			Feb 25-26, 2011
	25th:	Hadassah Medical Organization	Jerusalem, Israel
			Oct 24-25, 2011
	26th:	U. of Miami School of Medicine	Miami, FL
			Apr 16-17, 2012
	27th:	Icahn School of Medicine at Mount Sinai	New York, NY
			Nov 4-5, 2012
	28th:	Icahn School of Medicine at Mount Sinai	New York, NY
			May 9-10, 2013
	29th:	Icahn School of Medicine at Mount Sinai	New York, NY
			Oct 12-13, 2013
	30th:	Icahn School of Medicine at Mount Sinai	New York, NY
			May 17-18, 2014
	31st:	National Cancer Institute	Beijing, China
			Oct 18-19, 2014

- 1999-present International Conferences on Screening for Lung Cancer (continued)
- |                    |   |                     |                 |
|--------------------|---|---------------------|-----------------|
| 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 <sup>th</sup> : | Mount Sinai West                        | New York, NY        | Apr 12-13, 2019 |
- 2000-present International Early Lung Cancer Action Program (I-ELCAP)  
 Established a consortium of 73 institutions in 9 countries to perform screenings -- extending screening research projects to an international network of institutions.
- 2001-present New York Early Lung Cancer Action Project (NY-ELCAP)  
 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 PET/CT program  
New York Presbyterian Hospital-Weill Cornell Medical Center  
 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 Coordinating Center for Clinical Trials  
New York Presbyterian Hospital-Weill Cornell Medical Center  
 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 Lung Cancer Group  
New York Presbyterian Hospital-Weill Cornell Medical Center  
 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	<u>Initiative for Early Lung Cancer Research on Treatment (IELCART), Co-Principal Investigator</u>	
	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 <sup>st</sup> Conference (w/ the 33rd I-ELCAP)	New York, NY Dec 5-6, 2015
	Workshop V	New York, NY Mar 18, 2016
	2nd Conference (w/ the 34th 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 <sup>rd</sup> Conference (w/ the 35th I-ELCAP)	New York, NY Nov 18-19, 2016
	Workshop VIII	New York, NY Mar 17, 2017
	4 <sup>th</sup> Conference (w/ the 36th I-ELCAP)	Zurich, Switzerland May 5-6, 2017
	Workshop IX	New York, NY Jun 23, 2017
	5 <sup>th</sup> Conference (w/ the 37th I-ELCAP)	Seattle, WA Sep 15-16, 2017
	6 <sup>th</sup> Conference (w/the 38 <sup>th</sup> I-ELCAP)	New York, NY Mar 16-17, 2018
	7 <sup>th</sup> Conference (w/the 39 <sup>th</sup> I-ELCAP)	Hyde Park, NY Oct 16-17, 2018
	8 <sup>th</sup> Conference (w/the 40 <sup>th</sup> 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, 201; 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. Xuego 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

## Publications

1. Yaghoobian J, **Yankelevitz DF**, Pinck RL, Haller JO. Pyometrium in a three year-old girl: sonographic findings. *J of Ultrasound in Medicine* 1984; 3:87-8 PMID:6699931.
2. Lisann NM, **Yankelevitz DF**, Castronuovo J, Chandramouly. Technetium-99m MDP Activity in Unsuspected Necrotizing Fascitis. *Clinical Nuclear Medicine* 1986; 11:357 PMID:3956034.
3. Berkmen YM, Davis SD, Kazam E, Auh YH, **Yankelevitz DF**, Girgis FG. The right phrenic nerve: anatomy, CT appearance and differentiation from the pulmonary ligament. *Radiology* 1989; 173:43-6.
4. Berkmen YM, **Yankelevitz DF**, Davis SD, Zanzonico P. Torsion of the upper lobe in pneumothorax. *Radiology* 1989; 173:447-9 PMID:2798876.
5. Henschke CI, Davis S, Romano P, **Yankelevitz DF**. Pleural effusions: pathogenesis, radiological evaluation and therapy. *J Thor Imag* 1989; 4:49-60 PMID:2643715.
6. **Yankelevitz D**, Henschke CI, Hayt D, Balter S. Digital Radiography: Eliminating Suboptimal Radiographs. *Infect Surg* 1989; 8:196-200.
7. Henschke CI, Davis S, Romano P, **Yankelevitz D**. The pathogenesis, radiological evaluation and therapy of pleural effusions. *Radiological Clinics of North America* 1989; 27:1241-55 PMID:2685883.
8. Henschke CI, **Yankelevitz D**, Connors CJ, Libby DM. A Solitary Pulmonary Nodule in Young Asymptomatic Patients. *Infect Surg* 1989; 8:405-9.
9. Davis SD, Henschke CI, **Yankelevitz DF**, Cahill PT, Yi Y. MRI imaging of pleural effusions. *J Comput Assist Tomogr* 1990; 42:192-8 PMID:2312846.
10. Davis SD, Maldjian C, Perone RW, **Yankelevitz DF**, Knapp PH, Henschke CI. CT of the Airways. *Clin Imaging* 1990; 14:280-300 PMID:2088579.
11. Schwartz L, **Yankelevitz D**, Henschke CI. Differential Diagnosis for a Solitary Liver Mass. *Infect Surg* 1990; 9:25-8.
12. Eddens G, **Yankelevitz D**, Wallerson D, Henschke CI. Radiographic Lucencies Adjacent to the Heart Border. *Infect Surg* 1990; 9:4-11.
13. Davis SD, Zirn JR, Govoni AF, **Yankelevitz DF**. Peripheral carcinoid tumor of the lung: CT diagnosis. *AJR Am J Roentgenol* 1990 Dec; 155:1185-7 PMID:2173383.
14. Henschke CI, Maldjian C, **Yankelevitz D**. CT and MR of Diffuse Lung Diseases. *Postgraduate Radiology* 1991; 11:47-63.
15. Henschke CI, **Yankelevitz DF**, Davis SD. Pleural Diseases: Multimodality Imaging and Clinical Management. *Current Problems in Diagnostic Radiology* 1991; 20:155-81 PMID:1743049.
16. **Yankelevitz DF**, Henschke CI, Knapp PH, Nisce L, Yi Y, Cahill P. Effect of radiation therapy on thoracic and lumbar bone marrow: evaluation with MR imaging. *AJR Am J Roentgenol* 1991; 157:87-92 PMID:1904679.

## Publications (continued)

17. Cajade A, **Yankelevitz D**, Hartmann B, Henschke CI. The differential diagnosis for a psoas abscess. *Comp Surg* 1991; 10:14-8.
18. Schwartz LH, **Yankelevitz D**, Wallerson D, Henschke CI. Radiographic features of right atrial masses. *Comp Surg* 1991; 10:31-5.
19. Cooke JT, **Yankelevitz D**, Weingarten K, Henschke CI. MRI in the evaluation of central nervous system sarcoidosis. *Comp Surg* 1991; 10:16-20 .
20. **Yankelevitz DF**, Knapp PH, Henschke CI, Nisce L, Yi Y, Cahill P. MR appearance of radiation hepatitis. *Clin Imaging* 1992; 16:89-92 PMID:1547481.
21. Davis SD, **Yankelevitz DF**, Henschke CI. Radiation effects on the lung: clinical features, pathology, and imaging findings. *AJR Am J Roentgenol* 1992; 159:1157-64 PMID:1442375.
22. Henschke CI, Davis SD, **Yankelevitz D**, Knapp P, Cahill P. Imaging of Lung Injury Due to Radiation. A Model of Diffuse Alveolar Damage. *Appl Radiol* 1993; 22:42-6.
23. Donovan WD, **Yankelevitz DF**, Henschke CI, Altorki N, Nash TA. Endobronchial spread of bronchioloalveolar carcinoma. *Chest* 1993; 104:951-3 PMID:8031337.
24. **Yankelevitz DF**, Henschke CI. Needle-tip localization for CT-guided biopsies. *J Thorac Imaging* 1993; 8:241-3 PMID:8320767.
25. Davis SD, **Yankelevitz DF**, Williams T, Henschke CI. Pulmonary tuberculosis in immunocompromised hosts: epidemiologic, clinical and radiological assessment. *Semin Roentgenol* 1993; 28:119-30 PMID:8516688.
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27. **Yankelevitz DF**, Henschke CI, Davis SD. Angulated needle placement in CT-guided intrathoracic needle biopsies. *Clin Imaging* 1993; 17:124-5 PMID:8348401.
28. Henschke CI, Miettinen OS, **Yankelevitz DF**, Libby D, Smith JP. Radiographic screening for cancer. Proposed paradigm for requisite research. *Clin Imaging* 1994; 18:16-20 PMID:8180854.
29. **Yankelevitz DF**, Henschke CI, Davis SD. Appropriate window and level settings in CT-guided biopsies. *J Thorac Imaging* 1994; 9:108-11 PMID:8207774.
30. **Yankelevitz DF**, Henschke CI, Batata M, Kim YS, Chu F. Lung cancer: evaluation with MR imaging during and after irradiation. *J Thorac Imaging* 1994; 9:41-6 PMID:8114164.
31. **Yankelevitz DF**, Henschke CI. CT and MRI in the evaluation of resectability in patients with lung cancer with suspected mediastinal invasion. *Comp Surg* 1994;13:457-60.
32. Gefter WB, Davis SD, Gurney JW, Hatabu H, Henschke CI, Kundel H, Miller WT Jr, Stark P, Steiner RM, **Yankelevitz DF**. Thoracic Radiology. *Radiology* 1994; 190:954-60 PMID:8115664.



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33. **Yankelevitz DF**, Henschke CI, Davis SD. CT biopsy: reducing margin of error. *LTE AJR* 1994; 162:1250-1.
34. **Yankelevitz DF**, Henschke CI, Davis SD. CT Biopsy of the Chest. *LTE AJR* 1994; 162:1250.
35. **Yankelevitz DF**. To tilt or not to tilt? *Radiology* 1994 May; 191:585 PMID:8153349.
36. **Yankelevitz DF**. CT Detection of Small Pneumothorax. *LTE AJR* 1994; 163:220 PMID:8010225.
37. **Yankelevitz DF**, Henschke CI, Davis SD. Pneumothorax during fluoroscopic biopsy: effect on nodule depth. *Clin Imaging* 1994; 18:96-8 PMID:8033013.
38. Henschke CI, **Yankelevitz DF**, Mateescu I, Whalen JP. Evaluation of competing tests for the diagnosis of pulmonary embolism and deep vein thrombosis. Part I. *Clin Imaging* 1994; 18:241-7 PMID:8000950.
39. **Yankelevitz DF**, Henschke CI, Davis SD. Comments on percutaneous CT biopsy of chest lesions: an in vitro analysis of the effect of partial volume averaging on needle positioning. *AJR Am J Roentgenol* 1994; 162:1250-1 PMID:8333360.
40. Crandall R, Henschke CI, Godwin TA, **Yankelevitz DF**, Skinner DB. MR imaging of retrocaval insular thyroid carcinoma. *Comp Surg* 1995; 14:175-8.
41. Wand A, Davis S, **Yankelevitz DF**, Henschke CI. Esophageal Perforation due to Sengstaken-Blakemore Tube. *Comp Surg* 1995; 14:1:79-86.
42. **Yankelevitz DF**, Henschke CI, Davis SD, Goldberg S, Williams T. Variability in lesion depth on prone and supine CT scans of the chest: implications for the accuracy of transthoracic needle aspiration biopsy. *J Thor Imag* 1995; 10:117-20 PMID:7769625.
43. Henschke CI, Mateescu I, **Yankelevitz DF**. Changing practice patterns in the workup of pulmonary embolism. *Chest* 1995; 107:940-5 PMID:7705158.
44. **Yankelevitz DF**, Hayt D, Henschke CI. Transthoracic needle biopsy: what size syringe? *Clin Imaging* 1995; 19:208-9 PMID:7553439.
45. Gefter W, Davis SD, Gurney JW, Hatabu H, Henschke CI, Kundel H, Stark P, Steiner RM, **Yankelevitz D**. RSNA '94 Meeting Notes: Thoracic Radiology. *Radiology* 1995; 194:926-33.
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47. Dang M, Wand A, **Yankelevitz DF**, Altorki N, Henschke CI. Diagnosis of Pulmonary Embolism using Spiral CT. *Comp Surg* 1995; 14:365-7.
48. **Yankelevitz DF**, Davis SD, Henschke CI. Aspiration of large pneumothorax resulting from transthoracic needle biopsy. *Radiology* 1996; 200:695-7 PMID:8756917.
49. Henschke CI, **Yankelevitz DF**, Wand A, Davis S, Shiau M. Efficacy and Accuracy of Chest Radiography in the ICU. *Radio Clin of North Am* 1996; 34:21-31 PMID:8539351.

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50. **Yankelevitz DF**, Davis SD, Chiarella DA, Henschke CI. Pitfalls in CT-guided transthoracic needle biopsy of pulmonary nodules. *Radiographics* 1996; 16:1073-84 PMID:8888391.
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52. **Yankelevitz DF**, Ramaswamy S, Davis SD, Diaz D, Henschke CI. Radiological and Clinical Improvement of ARDS after Pneumothorax. *Comp Surg* 1996; 13:985-7.
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54. **Yankelevitz DF**, Minn RJ. Transthoracic Needle Biopsy: Is it Large Versus Small or In Versus Out. *LTE AJR* 1997; 168:1111-2.
55. **Yankelevitz DF**, Henschke CI. Does 2-year stability imply that pulmonary nodules are benign? *AJR Am J Roentgenol* 1997; 325-8 PMID:9016198.
56. Henschke CI, **Yankelevitz DF**, Wand A, Davis D, Shiau M. Chest radiography in the ICU. *Clin Imaging* 1997; 21:90-103 PMID:9095383.
57. Smoklin JH, **Yankelevitz DF**, Henschke CI. Mass in the Right Atrium of a Septic Patient. *Infect Med* 1997; 14:112-4.
58. Shaham D, **Yankelevitz DF**, Libby D, Henschke CI. Hemoptysis. *AJR Electronic Journal* 1997.
59. **Yankelevitz DF**, Henschke CI, Koizumi JH, Altorki NK, Libby D. CT-guided transthoracic needle biopsy of small solitary pulmonary nodules. *Clin Imaging* 1997; 21:107-10 PMID:9095385.
60. **Yankelevitz DF**, Henschke CI. Does utility of diagnostic tests have any meaning? *AJR* 1997; 168:846 PMID:9057553.
61. Henschke CI, **Yankelevitz DF**, Mateescu I, Brettelle DW, Rainey TG, Weingard FS. Neural networks for the analysis of small pulmonary nodules. *Clin Imaging* 1997; 21:390-99 PMID:9391729.
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93. **Yankelevitz DF**, Wisnivesky JP, Henschke CI. Comparison of biopsy techniques in assessment of solitary pulmonary nodules. *Semin Ultrasound CT MRI* 2000; 21:139-48 PMID:10776886.
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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. 17<sup>th</sup> 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. 17<sup>th</sup> 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. 17<sup>th</sup> 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
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