

CURRICULUM VITAE

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Present Positions: Professor of Radiology
Mount Sinai School of Medicine

Attending Radiologist
Mount Sinai Medical Center

Director of the Lung Screening Program
Mount Sinai Medical Center

Academic Appointments:

1969-1971 Assistant Professor of Statistics and Computer Sciences,
Assistant Professor of Management, University of Georgia

1972-1974 Assistant Professor of Biostatistics, School of Medicine, Georgetown
University

1974-1977 Clinical Assistant Professor of Biostatistics, School of Medicine,
Georgetown University

1981-1983 Lecturer, Medical School, Dar-es-Salaam, Tanzania

1981-1983 Instructor in Radiology, Harvard Medical School

1983-1983 Assistant Professor of Radiology, Harvard Medical School

1983-1987 Assistant Professor of Radiology, Cornell University Medical College

1987-1990 Associate Professor of Radiology-Tenure Track, Cornell University Medical
College

1990-1992 Associate Professor of Radiology with Tenure, Cornell University Medical
College

1992-2010 Professor of Radiology, Cornell University Medical College

2010-present Professor of Radiology, Mount Sinai School of Medicine

Hospital Appointments:

1982-1983 Associate Radiologist, Brigham and Women's Hospital

1983-1983 Co-Director, Thoracic Division, Department of Radiology, Brigham and
Women's Hospital

1983-1987 Assistant Attending Radiologist, The New York Hospital-Cornell Medical
Center

1987-1992 Associate Attending Radiologist, The New York Hospital-Cornell Medical
Center

1988-1992 Section Chief, Chest Imaging, The New York Hospital-Cornell Medical
Center

1992-1995 Chief, Division of Chest and Abdominal Imaging (Starr 9), The New York
Hospital-Cornell Medical Center

1995-2000 Chief, Health Care Policy and Technology Assessment in Radiology,
The New York Hospital-Cornell Medical Center

1992-2010 Attending Radiologist, The New York Hospital-Cornell Medical Center
 1995-2010 Chief, Chest Imaging, The New York Hospital-Cornell Medical Center
 2010-present Director of the Lung Screening Program, Mount Sinai Medical Center

Education:

1960 University of Geneva
 Political Science and Economics
 1961 University of Munich
 Physics
 1962 B.A. Southern Methodist University
 French, Mathematics
 1966 M.S. Southern Methodist University
 Mathematical Statistics
 1969 Ph.D. University of Georgia
 Mathematical Statistics
 1977 M.D. Howard University Medical School

Residency:

1977-1981 Resident, Department of Radiology, Brigham and Women's Hospital
 and Clinical Fellow in Radiology, Harvard Medical School,
 including 1 year as a Research Fellow in Radiology,
 Harvard Medical School and in Epidemiology,
 Harvard School of Public Health, Boston, MA

Licensure and Certification:

1981 American Board of Radiology
 1982 State Licenses: Massachusetts, California, New York

Awards and Honors:

1962 Mathematics Honor Society
 1962 French Honor Society
 1963 Sigma Xi
 1963 Kentucky Colonel, Commission given by Governor of the Commonwealth of
 Kentucky
 1968 Phi Kappa Phi
 1999 Marie Curie Award - second place, American Association for Women
 Radiologists
 1999 Best Doctors in America
 2000 Who=s Who in America
 2000 Who=s Who in the World
 2002 Memorial Award of the Chicago Radiological Society
 2002 Connie and Priscilla Mack Cancer Advocacy Award, October 8, Miami, FL
 2002 International Scientist of the Year, Cambridge England
 2003 Most Influential in Radiology, Diagnostic Imaging, November 2002
 2003 Fellow of American College of Chest Physicians (FCCP)
 Winner of the 2003 American Society of Journalists and Authors= June
 Roth Memorial Award for Health and Medical Books
 2003 American Medical Writers Association's Medical Book Awards 2003 (for
 books published in 2002)
 2003 Best Doctors in America 2003-2004
 2004 Who=s Who in Science and Engineering in the World 2005
 2004 Who=s Who in Medicine and Healthcare
 2006 America=s Top Doctors for Cancer
 2006 Best Doctors, New York area

2006 Second-place finalist, Greatest Research Impact , Auntminnie award
 2006 Scientist of the week, New York Times, October 31
 2006 3rd Annual Wilhelm Roentgen Oration - New York Roentgen Ray Society, April 25
 2007 New York Resident aNew York=s Top Doctors@
 2007 Most Influential in Radiology, RT Image Magazine
 2007 Aunt Minnie Award: Scientific Paper of the Year
 2007 Aunt Minnie Award: Most Influential Radiology Researcher
 2007 Who's Who in the World, 25th Anniversary Edition
 2008 Humanitarian in Medicine and Public Health Award, American Legacy Foundation
 2008-2010 America's Top Doctors, Castle Connolly Medical Ltd.
 2009 National Physician of the Year
 2009-2010 New York Super Doctors, New York Times Magazine, April 26
 2010 Roundtable Member, Madison Who's Who
 2010 Who's Who of American Women
 2010 Who's Who in the World

Special Lectures:

1988 RSNA "On the Air" Presentation on Algorithms
 1992 "Role Model" for Research, Radiological Society of North America, Association of University Radiologists, American Roentgen Ray So.
 1993 Scanlon Symposium Lecturer, Society of Thoracic Radiology
 1993 RSNA Special Focus Session "Manifestations of TB and AIDS Throughout the World"
 1993 RSNA Abroad: The International Visiting Professor Program", Organizer of Session
 1994 RSNA "On the Air" Presentation on Lung Cancer Screening
 1995 RSNA Special Focus Session "Teleradiology throughout the World", Organizer of Session
 1998 RSNA Press Conference, Press Release aLung Cancer Screening@
 1999 American Thoracic Society Press Conference aLung Cancer Screening@
 1999 Coleman B. Rabin Memorial Lecture, Mt Sinai Grand Rounds
 2000 Etta Kalin Moskowitz Memorial Lecture, Stanford University
 2000 Annual Oration of the Philadelphia Roentgen Ray Society in Honor of Harold Kundel, Philadelphia, Nov 2
 2001 AlphaOmega Alpha Lecture, New York, March 14
 2003 RSNA Press Conference on 3 different topics
 2003 RSNA aOn the Air@ on 3 different topics
 2004 RSNA Press Conference
 2004 RSNA aOn the Air@
 2005 RSNA aOn the Air@
 2005 Gibson Lecture, University of Virginia, Charlottesville, VA, Nov 16
 2007 American Hospital of Paris Women=s Health Lecture, June 21
 2007 Annual Roentgen Ray Oration, NY Chapter, April 25
 2008 Merrill Sosman Annual Lecture, Brigham and Women's Hospital, Harvard Medical School

Media Interviews:

Front page NY Times, July 9, 1999; Oct 26, 2006; Science Times, 2006; Wall Street Journal 26, 2006; More than 300 interviews on TV (e.g., BBC, national CNN, NBC, ABC, CBS and local news), radio (e.g., National Public Radio), newspapers (Washington Post, US World and News Report, Time,

Newsweek, USA Today)

Patent Applications:

1. U.S. Patent No. 7,274,810 "System and Method for Three-Dimensional Image Rendering and Analysis" (Patent Issued to CRF September 25, 2007); CRF has two pending divisional applications related to this Patent.
2. U.S. Patent NO. 7,489,578 "System, Method and Apparatus for Small Pulmonary Nodule Computer Aided Diagnosis from Computed Tomography Scans". CRF has a pending divisional application related to this patent.
3. CRF has a pending patent application for "System and Method for Providing Remote Analysis of Medical Data"
4. CRF has a pending patent application for "System and Method for Analyzing Medical Data to Determine Diagnosis and Treatment"
5. CRF has a pending patent application for "System and Method for Conducting a Clinical Trial Study"
6. CRF has a pending PCT application for "Medical Imaging Visibility Index System and Method for Cancer Lesions"
7. CRF has a pending patent application (and foreign pending patent applications) for "Method for Expanding the Domain of Imaging Software in a Diagnostic Workup"
8. CRF has a pending patent application for "System and Method for Position Matching of a Patient for Medical Imaging"
9. Dr. Henschke is an inventor on a pending patent application for Medical Imaging System for Accurate Measurement Evaluation of Changes in a Target Lesion (foreign patent applications also pending)
10. CRF: D-2735 Henschke CI, Yankelevitz DF, Reeves AP, Kostis WJ. System and Method for Three-dimensional Image Rendering and Analysis. International Patent Application No: PCT/US01/11820

Other Professional Positions:

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|-----------|--|
| 1963-1965 | Research Assistant, Graduate Research Center of the Southwest, Division of Computing Science |
| 1965-1966 | Statistician and Lead Programmer, Wadley Research Institute |
| 1966-1968 | Research Assistant, Department of Statistics and Computing Science, University of Georgia |
| 1967-1967 | Systems Engineer and Programmer for Hospital Systems, IBM, Finland |
| 1968-1969 | Systems Analyst and Programmer for Credit Card and Investment Computer Systems, Citizens and Southern Bank Headquarters, Atlanta, GA |
| 1972-1974 | <ol style="list-style-type: none">1. Statistical Consultant for National Clinical Trial of Narcotic Antagonists, National Academy of Sciences2. Statistical Consultant for National Clinical Trial of Long Acting Methadone, Veterans' Administration3. Consultant for Health Manpower Planning, Bureau of Health Manpower Education (NIH)4. Consultant for Planning and Construction of Howard University Hospital, Howard Medical School, Washington DC |

- 1972-1977
1. Consultant for US Civil Disasters, White House Planning and Briefing, Federal Preparedness Agency
 2. Statistical Consultant for Large Military Field Tests and Performance Analyses, Institute for Defense Analysis
 3. Statistical Consultant for Large Military Field Tests and Performance Analyses, Systems Planning Corporation
- 1986-1992 Consultant for Medical Billing Program Development and Medical Computer Systems Planning
- 1986-1996 Consultant on Clinical Trials and Statistics. Rockefeller University

American Board of Radiology Examiner 1993, 1994, 1995, 1997, 1999, 2005, 2007

Professional Societies:

- 1971 American Statistical Society
1982 Society of Thoracic Radiology
1989 Radiological Society of North America
1990 American College of Radiology
1994 Association of Women Radiologists
2002 European Society of Thoracic Imaging
2002 International Association for the Study of Lung Cancer
2006 Scientific Committee, International Association for the Study of Lung Cancer

Editorial Responsibilities:

- 1982-1990 American Journal of Cardiology - Reviewer
1988-present Clinical Imaging - Editorial Board
1995-1997 Complications in Surgery - Editorial Board
1989-1997 Complications in Surgery - Diagnostic Imaging Editor
1990-1994 Investigative Radiology - Editorial Board
1992-present Chest - Reviewer
1993-present Radiology - Reviewer
1994-1999 Academic Radiology - Editorial Board
1995-1999 MEDSCAPE, The Online Resource for Better Patient Care, Diagnostic Imaging Editor
1995-present Journal of Computed Assisted Tomography - Reviewer
1995-present American Journal of Radiology - Reviewer
2001-present Lung Cancer, Editorial board
2003-present International Journal of Oncology, Editorial Board
2003-present American Review of Respiratory and Critical Care Medicine
2005-present New England Journal of Medicine - Reviewer

National Committees:

- 1989-1991 *Member, Committee on International Radiology Education*
- 1991-1992 *Vice Chairman, RSNA Committee on International Radiology Education, Radiologic Society of North America*
- 1990-1995 *Vice-Chairman, Committee on Standards in Thoracic Radiology, Society of Thoracic Radiology*
- 1992-1996 *Chairman, RSNA Committee on International Radiology*
- 1993-1996 *Member, RSNA Review Committee of Chest Scientific Sessions and Exhibits*
- 1994-2001 *Member, Expert Panel on Thoracic Imaging, American College of Radiology Task Force on Appropriateness Guidelines*
- 1994-2009 *Member, NIH Scientific Study Section*
- 1995-1999 *Member, Agency for Health Care Policy Scientific Study Section*
- 1998-1999 *Chairman, Rules Committee Society of Thoracic Radiology*
- Member, Nominating Committee, Society of Thoracic Radiology*
- 1999-2000 *Member, External Advisory Committee, H. Lee Moffitt Cancer Center, Tampa, Florida*
- 2000 *Member, American College of Chest Physicians Lung Cancer Diagnosis and Treatment Guidelines Panel*
- 2002 *Member, American College of Radiology Task Force on Screening Technologies*
- 2005 *External Scientific Advisory Board, M.D. Anderson, Houston TX*
- 2003-present *American Legacy Foundation, Circle of Friends Advisory Council*
- 2006-present *Member, Medical Advisory Board, Cancer Prevention Foundation*

International Committees:

- 1995-2000 *Member, Program Committee, Computed-Assisted Radiology Society*

The New York Hospital-Cornell Medical Center Committees:

- 1987-1995 *Member, Case Management Committee*
- 1988-1995 *Member, Length of Stay Task Force*
- 1989-1996 *Member, Postgraduate Education Advisory Committee*
- 1990-1996 *Advisor, Faculty Medical Student Advisor Program*
- 1991-1999 *Member, Subcommittee of Ancillary Utilization in the Hospital*
- 1994- 2006 *Member, Cancer Care and Research Committee*

Departmental Committees:

- 1986-1989 *Algorithm Committee*
- 1988-1999 *Quality Assurance Committee*
- 1992-1999 *Computer and PACS Development Committee*
- 1996-1998 *Co-leader, Inpatient Radiology Committee*
- 1992-2006 *Promotions Committee*

Projects Developed:

- 1986-2002 **Cost Effective Utilization and Evaluation of Radiologic Tests**
 Developed algorithms for DRGs as chairman of Radiology Algorithm Committee. Created mathematical models to assess tradeoffs between different algorithms as well as linear programming and critical path models for optimal radiologic resource utilization. Active participation on hospital committees to reduce costs and length of stay. Developed computer software
- 1988-present **Thoracic Oncology Weekly Conference**
 Multi-disciplinary conference of pulmonologists, radiologists, thoracic surgeons, oncologists, radiation oncologists, pathologists, cytologists. Patient management planning for in- and outpatients
- 1989-1996 **New York Area Chest Club**
 Physicians with special interests in thoracic or pulmonary diseases meet 3-4 times per year. The members are from all the major teaching hospitals in the New York City area. Outside funding has been obtained so that speakers from the US and Canada can be invited to present current research projects.
- 1989-1996 **Multi-Modality Medical/Radiology Clinical Imaging Rounds**
 These rounds were started to improve communications between medical and radiology housestaff and attendings. Formal rounds are given daily on Starr 9 so that all imaging studies on medical inpatients are reviewed and future imaging studies are recommended.
- 1992-1997 **Seminars in Clinical and Radiology Research**
 Participants from the US and Canada were invited to discuss current research topics in detail. Outside funding was obtained to sponsor these meetings.
 April 2-6, 1992 - Salt Lake City UT - 13 Category I hours
 October 7-8, 1992 - New York NY - 16 Category I hours
 September 30, 1993 - New York NY - 10.3 Category I hours
 May 13, 1994 - New York NY - 10.3 hours Category I hours
 September 30, 1994 - New York NY - 8.1 hours Cat I hrs
 February 24, 1995 - New York NY - 6.0 hours Cat 1 hrs
 May 12, 1995 - New York NY - 6.0 hours Cat 1 hrs
 Oct 13,95; Jan 19, 96; May 17,96; Sep 27,96; Jan 10,97;
 May 2, 97, Sep 26, 97
- 1992-2009 **Early Lung Cancer Action Project (ELCAP)**
 Organized meetings with previous lung cancer screening experts for reassessment of lung cancer screening, developed intra-and interinstitutional multi-disciplinary collaboration. Designed and implemented cost-effective screening protocol as a model for diagnostic research.
- 1995-1999 **Outcome Research Division.** Recruitment of faculty, research projects, grant applications: in outcomes research, image analysis, statistical techniques

- 1999-present **International Conferences on Screening for Lung Cancer (1-22st)**
Organized conferences for all groups performing screening throughout the world to discuss issues to study design, protocols, pathology, biomarkers, behavioral aspects related to screening research and practice.
- 2000-2009 **Foundation for Lung Cancer: Early detection, prevention and treatment.** Organized the foundation and raised funds for I-ELCAP research. A member of the Board of Directors.
- 2001-present **New York Early Lung Cancer Action Project (NY-ELCAP), PI**
Established a consortium of 12 institutions within New York State to perform screening to validate the ELCAP results and extend the screening research projects to a network of institutions.
- 2002-present **International Early Lung Cancer Action Project (I-ELCAP), Chair**
Established a consortium of more than 36 institutions throughout the United States, Europe, and Asia to perform screening to validate the ELCAP results and extend the screening research projects to a network of institutions.
- 2006-2010 **Coordinating Center for Clinical Trials**
Organized the infrastructure for imaging evaluation in clinical trials with a focus on early lung cancer. Managed two Phase II clinical trials.
- 2009-present **Early Diagnosis and Treatment Research Foundation.**
Organized the foundation to support research on early diagnosis and treatment and for the creation of public databases.
- Teaching**
- 1963-1969 Undergraduate Mathematical Statistics and Computing Courses, Department of Mathematical Statistics and Computer Science, School of Arts and Science, University of Georgia
- 1969-1970 Graduate and Undergraduate Statistical and Computer Science Courses (3 courses each quarter), Department of Mathematical Statistics and Computer Science
- 1970-1971 Management Science and Complex Systems Courses (3 courses per quarter), Graduate School of Business, University of Georgia
- 1969-1971 Direction of Doctoral and Masters Degree Dissertations
M.S. and Ph.D. degrees: 3 individuals
Graduate Biostatistics Courses each semester, Division of Biostatistics, Graduate School, Georgetown University
Direction of Masters Degree Dissertations
M.S. degrees: 5 individuals
- 1982-1983 Core Clinical Clerkship Courses, Harvard Medical School
- 1983-1999 Core Clinical Clerkship Courses, Cornell University Medical College
- 1989-1999 Surgical and Physician Assistant Radiology Elective, Cornell University Medical College
- 1989-1999 Elective Radiology Rotations for CUMC Medical Students

1989-2009	Elective Radiology Rotations for CUMC Medical Students
1989-2008	Visiting Professor and Resident Elective Rotations
1990-1992	Cornell Medical Student Radiology Advisor
1994-1996	Cornell Medical Student Advisor
2000-2009	Elective Rotations for Public Health Students
2004-present	Public Health and Community Medicine Students

PhD and MS Degree Students:

Mary M Chen, MS in Statistics, 1971; The application of the statistical classification rule to Air Force personnel.

Ed Wyatt, PhD in Statistics, 1971; A probabilistic approach to personnel utilization and an integrated computer program package and its use in personnel utilization considerations.

Medical Students:

1. Cathy Maldjian, 1994-6
Davis SD, Maldjian C, Perone RW, Yankelevitz DF, Knapp PH, Henschke CI, CT of the Airways. Clin Imag 1990;14:280-300
Henschke CI, Maldjian C, Yankelevitz D, CT and MR of Diffuse Lung Diseases. Postgraduate Radiology 1991;11:47-63
2. Matthew Cham, 1998-9.
PCTA-CTV Cooperative Group. Combined PCTA-CTV in the Detection of Thromboembolic Disease. New York Presbyterian Hospital - Weill Medical College at Cornell University: Radiology Department Evans Lecture resident research presentation. New York, NY: May 21, 1999.

PCTA-CTV Cooperative Group. Benefit of Indirect CT Venography in the Detection of Thromboembolic Disease. University of Rochester School of Medicine and Dentistry: Medical Grand Rounds. Rochester, NY: February 24, 2000.

PCTA-CTV Cooperative Group. Combined PCTA-CTV in the Detection of Thromboembolic Disease. Association of Medical Schools of New York: Clinical Research Competition, New York, NY: May 2, Yankelevitz DF, Gamsu G, Shah A, Rademaker J, Shaham D, Buckshee N, Cham MD, Henschke CI. Optimization of Combined Pulmonary Ct Angiography With Lower Extremity Ct Venography. AJR 2000;174:67-69

PCTA-CTV Cooperative Group (Cham MD, Yankelevitz DF, Shaham D, Shah A, Sherman L, Lewis A, Rademaker J, Pearson G, Choi J, Wolff W, Prabhu PM, Galanski M, Clark R, Sostman HD, Henschke CI). Indirect CT Venography in the Detection of Deep Vein Thrombosis. Radiology 2000;216:744-751

Publication and Presentations with Radiology Residents:

Laura Liberman, Gail Eddens, Lawrence Schwartz, Anna Cajade, William Donovan, Elizabeth Bonaccio, M Dang, Ami Shah, Debra Chiarella, Irena Iordanescu, Jennifer Smoklin, Maria Shiao, Jennifer Kaplan

Publications with Post-graduate Students:

Pamela Knapp, MD, 1990-1 Research Fellow
Robert Perone, MD, 1993-1994 Chest Fellow

Claire Handley, MD 1996-1997 Chest Fellow
Dorith Shaham, MD, 1997-1998 Chest Fellow
Natasha Buckshee, MD, 1998-2000 Research Fellow
Juan Wisnivesky, MD, 1999-2000 Research Fellow
Rosna Mirtcheva, MD, 1999-2000 Research Fellow
Rebecca Johnson, MD 1999-2000 Research Fellow
Orly Goitein, MD 1999-2000 Chest Fellow
Polly Yin MD 1999-2000 Chest Pathology Fellow
Ali Farooqi, MD 1999-present Screening Research Fellow
I. Lee, MD, 2003-2004, Visiting Research Fellow
Ning Wu, MD, 2003-2004 Visiting Research Fellow

Current Institutional Percent Effort:

Teaching: 5%
Clinical Care: 20%
Administration: 10%
Research: 65% (fully supported by grants)

Other Experience:

Computer Languages: Assembly, Fortran, PL/I, Formac, SAS, dBase, Basic
Languages: French, German, Spanish, Swahili
Certificates: Certified Flight Instructor, Commercial Single and Multi Engine- and Sea and Instrument Pilot Licenses
Tennis: Was nationally ranked in singles and doubles as a junior player

Past Research Support:

1. **Quantitative Evaluation of Left Ventricular Wall Motion**
Biomedical Research Grant - Harvard. 1981. \$25,000
PI: Claudia I. Henschke
2. **Clinical Trials of Heme-Oxygenase Inhibitor in the Management of Hyperbilirubinemia in Newborns**, National Institute of Child Health and Human Development (NICHD). 1987-2000. \$10,000,000
PI: Dr. Attallah Kappas, Rockefeller University;
Statistician for Design and Analysis: Claudia I. Henschke
3. **Mapping the Prenatal Growth of the Human Cerebral Cortex**
Joseph P. Kennedy, Jr. Foundation. 1990-1992
PI: Marc Jouandet, Cornell University Medical College;
Statistician: Claudia I. Henschke
4. **Chemoprevention of Skin Cancer in Albinos**
National Cancer Institute (NCI). 1981-1994. \$500,000; PI: Dr. Jeff Luande, Tanzania Tumor Center, Tanzania; Co-PI: Claudia I. Henschke: Design and analysis of clinical trial
5. **Screening for Early Lung Cancer**
Kodak. 1993-1994. \$40,000. PI: Claudia I. Henschke
6. **Screening for Early Lung Cancer**
General Electric. 1994-1994. \$40,000, PI: Claudia I. Henschke

7. **Early Lung Cancer Registry**
Paul Newman Fund. 1993-1994. \$10,000
PI: Daniel Libby, Co-PI: Claudia I. Henschke.
8. **Neural Net Characterization of Small Pulmonary Nodules**
Rome Laboratories and Booz Allen and Hamilton. 1994-1996. \$200,000;
PI: Claudia I. Henschke
9. **Early Lung Cancer with CT Screening**
NCI, R01-CA-63393. 1995-1999, \$615,000. PI: Claudia I. Henschke
10. **Evaluation of Pulmonary Nodules.**
Rome Laboratory, 1996-1997. \$17,000. PI: Claudia I. Henschke.
11. **Biologic and CT Assessment of Colon Cancer Gene Therapy.**
R21. 7/ 1997-1999. \$100,000; PI: R. Crystal. Co-PI: Claudia I. Henschke
12. **Regional Prodrug Therapy for Liver Colorectal Metastases.**
R01CA71500. 1997-2000. \$157,607; PI: R. Crystal,
13. **Quantitative Analysis of Pulmonary Nodules.**
Whittaker Grant.1998-2001. \$200,000; PI: Binsheng Zhao Dsc. Advisor:
Claudia I. Henschke
14. **CT Venography in Conjunction with CT Pulmonary Angiography**
Departmental Seed Grant, 1997-1998, \$2,900
Principal Investigator: Ami Shah (Radiology Resident), Advisor: Claudia
Henschke
15. **Utility of CT Venography Combined with CT Pulmonary Angiography.**
Society of Thoracic Radiology research grant. 1997-1999. \$8,000
PI: Ami Shah. Advisor: Claudia I. Henschke
16. **Early Lung Cancer Detection, Diagnosis, Treatment, and Prevention**
Cornell University Medical College Pre-program Project Award.
1999. \$50,000. PI: Claudia I. Henschke
17. **Repeat CT Imaging for Early Diagnosis of Lung Cancer**
National Cancer Institute, 1999-2002, R01-CA-78905, \$1,161,000 (including
supplemental funding for ELCAP of \$400,000); PI: David Yankelevitz
18. **Spore in Lung Cancer: Web Based Pathology File for Early Lung Cancer**
National Cancer Institute, 2000-2001, Vanderbilt University, Small Spore
Grant, \$31,000; PI: David Yankelevitz
19. **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.
20. **NY-ELCAP Coordinating Center and Screening Site,**
AMDeC Grant. 2000-2003. \$4,500,000. PI: Claudia I. Henschke
21. **Computer Aided Diagnosis of Pulmonary Nodules with Digital Chest
Radiography,** Kodak Research Agreement. 2000-2002. \$175,000.
Co-PIs: Claudia I. Henschke and David F Yankelevitz

22. **Prospective Investigation of Pulmonary Emboli (PIOPED II).**
NIH Heart, Lung and Blood Institute, PI: H. Stein, \$20,000,000; 9/2000-2005.
\$1,000,000. Cornell PI: HD Sostman
23. **Digital Chest Project,**
Kodak Research Agreement. 2001-2002. \$175,000
Co-PIs: Claudia I. Henschke and David F Yankelevitz
24. **NY-ELCAP Pathology Review, American Cancer Society,**
2001-2006. \$250,000. PI: Claudia I. Henschke,
25. **Analysis of CXR as a Screening Technique for Lung Cancer**
Kodak, 2002-2003, \$73,000; PI: David Yankelevitz
26. **Reader Variability in Nodule Assessment on CT**
General Electric, 2002-2003, \$100,000; PI: David F. Yankelevitz
27. **Database Computer Aided Detection**
General Electric Corporate R & D. 2002-2003, \$99,644.
PI: Claudia I. Henschke, Co PI: David F. Yankelevitz
28. **NCI Protocol. Phase I and Clinical Pharmacologic Study of Inhaled Doxorubicin in Adults with Advanced Solid Tumors Affecting the Lungs.**
PI: David S. Schrupp, MD. 2003
29. **Spore in Lung Cancer.** National Cancer Institute. Vanderbilt University
Spore Grant. 2004-2005. PI. C. Henschke/D. Yankelevitz
30. **Volumetric CT for Lung Cancer and General Thoracic Imaging**
Department of Defense 2002-2005. WMC for \$629,800;
PI: Claudia I. Henschke
31. **Smoking Cessation and CT screening.**
Schnurmaker Foundation. 2004-2007. PI. C. Henschke
32. **Fish-Oil and Longitudinal Change in Lung Function.**
National Institutes of Health. R01 HL075476. 2004-2009. PI: G Barr.
33. **Surveillance for Second Primary Lung Cancer**
Cancer Research and Prevention Foundation of America. 2005-2007.
\$80,000, PI Robert Korst.
34. **New Approaches to Assess Treatment Response of Lung Cancer**
Cancer Research and Prevention Foundation of America. 2005-2007,
\$110,000. PI: David F. Yankelevitz
35. **Evaluation of Computer-aided Techniques for Assessment of Emphysema.** Astra Zeneca: \$100,000. 2006-2007
PI: David F. Yankelevitz
36. **A prospective clinical trial to determine the feasibility of performing microarray analysis on fine needle aspirates from patient with early lung lesions.** Flight Attendants' Medical Research Institute grant, 2006-2008,
\$200,000, PI: S. Wadler.

37. **Develop a Public Database to Facilitate the Image Tools to Assess Drug Response for Lung Cancer**, Cancer Research Foundation. 2005-2007. \$120,000. Co-PI: C. Henschke/D.Yankelevitz
38. **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 (including supplemental funding)
39. **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.
40. **Computer Detection of Nodules of the Lung**
National Cancer Institute, R33 CA101110-04 PI: Reeves). 2005-2009.
\$400,000; Sub-contract PI: Claudia Henschke.
41. **Repeat CT Imaging for Diagnosis of Lung Cancer: Second Order Considerations**, National Cancer Institute, R01-78905. 2007-2009.
\$878,181, PI: David F. Yankelevitz
42. **Evaluation of Tumor Response**: VEG105290. Imaging Coordinating Center. GlaxoSmithKline: \$450,000. 2006-2009, PI: David F. Yankelevitz

Current Research Support:

1. **Modeling Lung Cancer: Risks, Progression, and Screening**,
National Cancer Institute U01 CA097431. 2002-2010. \$1,000,000.
PI: M Kimmel. PI: Cornell: C. Henschke
2. **CT Screening and Smoking Cessation**:
American Legacy Foundation, 1/1/2006-12/31/2010. \$2,100,000.
PI: C. Henschke
3. **FAMRI-IELCAP Collaborative Network**.
Flight Attendants' Medical Research Institute Center of Excellence
Grant, 1/1/2007-12/31/2012. \$7,500,000. PI: C. Henschke
4. **Improving Interpretation of Portable CXR in the ICU**
Carestream Health: 300,000 6/08-6/10
Co-PIs: Claudia Henschke and David F. Yankelevitz

Publications & Peer Reviewed Articles:

1. Shannon SB, **Henschke CI**. Stat-Pack, A Statistical Programming Package. ACM Journal. 1967; 2:123-135
2. Fontaine S, Henschke U, Lefall L, **Mason C (Henschke)**, Reinhold A, Schneider R, White J. Comparison of the cancer deaths in the black and white USA population from 1949-1967. Medical Annals of D.C. 1972;5:293-298
3. Lissitz RW, **Henschke-Mason C (Henschke)**. The selection of independent variables and prior probabilities as a factor influencing the accuracy of classifying individuals to existing groups. Multivariate Behavioral Research Journal. 1974; 9
4. Henschke U, Lefall L, **Mason C (Henschke)**, Reinhold A, Schneider R, White J. The alarming increase of the cancer mortality in the U.S. black population, 1950-1967. Cancer 1973;31:763-768
5. **Henschke CI**, Kossack CF, Lissitz RW. A generalized classification technique using interval, ordinal, and nominal variables. Multivariate Behavioral Research Journal. 1974;1:105-118
6. **Henschke CI**, Chen MD. A variable selection technique for classification problems. Education and Psychological Measurement 1974; 1: 11-18
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