

CURRICULUM VITAE

Name: Daniel B. Kopans, M.D.

Address:

Date of Birth:

Place of Birth:

Education:

B.A. Harvard University
M.D. Harvard Medical School

Postdoctoral Training:

Internship and Residencies:

Intern in Medicine, Mary Hitchcock
Hospital, Dartmouth University,
Hanover, New Hampshire

Resident, Diagnostic Radiology,
Massachusetts General Hospital,
Boston, Massachusetts

Licensure and Certification:

1974 Massachusetts Medical Licensure

1977 Diplomate American Board of Radiology

Academic Appointments:

Clinical Fellow in Radiology,
Harvard Medical School, Boston,
Massachusetts

1977-1982 Instructor in Radiology at the
Massachusetts General Hospital,
Harvard Medical School,
Boston, Massachusetts

- 1982-1985 Assistant Professor of Radiology
Harvard Medical School, Boston,
Massachusetts
- 1986 Associate Professor of Radiology
Harvard Medical School, Boston,
Massachusetts
- 1999 Professor of Radiology
Harvard Medical School, Boston,
Massachusetts

Hospital Appointments:

- 1977-1981 Assistant in Radiology, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts
- 1977-1978 Co-Director - Bone Section, Department of Radiology, Massachusetts General Hospital, Boston, Massachusetts
- 1978-2006 Director and Founder of the Breast Imaging Division, Department of Radiology, Massachusetts General Hospital, Boston, Massachusetts
- 1979- Staff, Diagnostic Ultrasound and Abdominal CBT, Department of Radiology, Massachusetts General Hospital, Boston, Massachusetts
- 1981- Assistant Radiologist, Massachusetts General Hospital, Boston, Massachusetts
- 1982-1990 Assistant Director - Ambulatory Radiology Massachusetts General Hospital, Boston, Massachusetts
- 1984- Associate Radiologist, Massachusetts General Hospital, Boston, Massachusetts
- 1985- Staff, MGH Cancer Center, Massachusetts General Hospital, Boston, Massachusetts
- 1990- Radiologist, Massachusetts General Hospital, Boston, Massachusetts
- 1995- Acting Director - Ambulatory Radiology Massachusetts General Hospital, Boston, Massachusetts
- 2006 Senior Radiologist Breast Imaging Division Massachusetts General Hospital

Committee Assignments:

- 1978- Staff Committee Department of Radiology, Massachusetts General Hospital, Boston, Massachusetts
- 1980- Newton Health Advisory Council, Newton, Massachusetts
- 1983-1985 Newton Biohazards Committee Newton, Massachusetts

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- 1984- New Pathways Curriculum Development Committee, Harvard Medical School, Boston, Massachusetts
- 1984- Ad Hoc Member, Breast Cancer Task Force, National Cancer Institute
- 1984- Committee of Diagnostic Imaging Sequencing, Massachusetts General Hospital Boston, Massachusetts
- 1984 Breast Cancer Task Force, National Institutes of Health
- 1984- Breast Cancer Working Group. Organ Systems Coordinating Center. National Cancer Institute.
- 1984 American College of Radiology. Committee on Breast Imaging of the Commission on Education
- 1985- MGH Cancer Affairs Committee MGH Cancer Center.
1986- Mammography/Blue Shield Committee Massachusetts Radiological Society, Inc.
- 1986-1988 Associated Sciences Committee of the RSNA
- 1986 Advisory Committee for the MGH School of Radiologic Technology
- 1986-1989 Associate Editor - Radiology
- 1986 Faculty, Mammography Symposium of the Commission on Education
1987 American College of Radiology Breast Imaging Subcommittee to Evaluate Screening Guidelines
- 1987- Ad Hoc Committee on Mammography of the Massachusetts Radiological Society
- 1987 Special Study Sections National Institutes of Health
1988 Massachusetts General Hospital Department of Radiology Education Committee
- 1988 Massachusetts Cancer Control Coordinating Committee
- 1988 Consultant to the Canadian National Cancer Institute to review mammographic quality for the Canadian screening program
- 1988 Special Study Sections National Institutes of Health
- 1988 Vice-chairman of the Faculty, Breast Imaging - of the Committee on Systematized Refresher Courses
- 1988 Faculty, Mammography Home Study Course of the Committee on Breast Imaging
- 1988 Chairman, and Program Director American College of Radiology 24th National Breast Conference
- 1989 American College of Radiology - Subcommittee on Technologist Training
- 1989 Committee on Mammography ACR Home Study Course
- 1989 American College of Radiology Representative to the Food and Drug Administration - Advisory Group on Silicone Implants
- 1989 American Cancer Society - Consultant Workshop on the Management of Limited Breast Cancer

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1990	Examiner - American Board of Radiology
1990	Chairman - American College of Radiology Subcommittee on Breast Imaging Reporting and Database.
1990	Consultant to The American Registry of Radiologic Technologists
1990	Committee on Residency Training of the Commission on Education of the American College of Radiology
1990-2004	Breast Task Force of the American College of Radiology
1991	Subcommittee on Medical Effectiveness - Massachusetts General Hospital Dept. of Radiology
1991	CDC Focus Group on Mammography Image Receptors
1991	Member - Task Force on Breast Cancer Prevention and Control - Advisory to the Centers for Disease Control
1991	Harvard Committee on Continuing Education
1991-1992	Co-Chairman, and Co-Program Director American College of Radiology 25th National Breast Conference
1991	Chairman - Committee on Curriculum Development for Radiologists for the ACR/CDC Cooperative Agreement
1992	Advisory Group on the Management of Non-palpable and Small Lesions Found in Mass Breast Screening. Committee of the European School of Oncology
1992	New Employee Orientation Task Force
1993	Executive Committee of the Radiological Associates
1993	Clinical Operations Executive Committee of the Massachusetts General Hospital Cancer Center.
1993	American College of Radiology Committee on Mammography Interpretive Skills Assessment
1994	Expert Reviewer - U.S. Preventive Services Task Force - Guide to Preventive Services.
Clinical	
1994	Breast Center Executive Committee
1994	Cancer Center Operations Committee
1994	Space Allocation Strategic Planning Committee
1995	Consultant - Food and Drug Administration - Mammography Quality Assurance Advisory Committee
1996	Planning Committee - Consensus Development Conference on Screening Women ages 40-49 for Breast Cancer - Office of Medical Applications of Research, National Institutes of Health.
1996	Reviewer - Medical Research Council - London - United Kingdom
1997	Invited speaker and Panel member American Cancer Society Workshop on Screening women ages 40-49 for Breast Cancer.
1997	Member - Steering Committee for the Joint Venture Breast Cancer Program
1997	Food and Drug Administration - Temporary Member - Radiological Devices Panel - Center for Devices and Radiological Health
1999	Radiology Research Management Committee of the Massachusetts General Hospital Department of Radiology
1999-	Member – Clinical Advisory Group – Women’s Health Network – Massachusetts Department of Public Health

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2000	Member – Board of Scientific Advisors – R2 Technologies
2001	MGH Scientific Advisory Committee for Biomarkers in Medical Imaging
2001	Member - American College of Surgeons Commission on Cancer
2001	Society of Breast Imaging Member - Board of Directors - Academy of Radiology Research
2001	Member Board of Scientific Advisors. – ART, Inc.
2002	Member Scientific Advisory Board – Center for Subsurface Sensing and Imaging (CenSSIS) Northeastern University
2003	American College of Radiology Commission on Research and Technology Assessment
2005	American College of Radiology Commission on Breast Imaging – Chairman Subcommittee on Screening

Memberships in Professional Societies:

1977	Massachusetts Radiological Society
1977	American College of Radiology
1980	New England Society of Ultrasound in Medicine
1980	Society for the Study of Breast Disease
1980	American Institute of Ultrasound in Medicine
1981-1982	Treasurer, New England Society of Ultrasound in Medicine
1981	Massachusetts Medical Society
1982-1983	Vice-President, New England Society of Ultrasound in Medicine.
1982	SPIE - The International Society for Optical Engineering
1983	Radiological Society of North America
1983	Association of University Radiologists
1983-1984	President, New England Society of Ultrasound in Medicine
1986	American Roentgen Ray Society
1985	The Society of Breast Imaging
1988	Society for Magnetic Resonance Imaging
1989	New England Cancer Society
1989	Society for Computer Applications in Radiology
1995	Society for the Advancement of Women's Imaging

Editorial Boards:

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- 1986-1990 Associate Editor - Radiology
 1986 Reviewer
 American Journal of Roentgenology
 Investigative Radiology
 Breast Cancer Research and Treatment
 Radiology
 The New England Journal of Medicine
- 1990 Editor - Breast Diseases
 1991 Advisor - Primary Care & Cancer
 1991 Advisory Editor - Primary Care & Cancer
- 1995 The Breast Journal
- 1997 Seminars in Breast Diseases: Radiologic, Pathologic, and Surgical
 Considerations. W.B. Saunders Company
- 1998 Breast Cancer Research and Treatment

Awards and Honors:

-  Cum Laude, Harvard University,
 Cambridge, Massachusetts.
-  Alpha Omega Alpha Society
 Harvard Medical School
 Boston, Massachusetts
- 1986 Editor's Recognition Award - Radiology
-  Fellowship - American College of Radiology
- 1992-1993 The Lawrence L. Robbins, M.D. Teaching Award - Massachusetts
 General Hospital
- 1995 RSNA 1995 - Cum Laude Citation Jameson-Meehan L. Niklason L.
 Contour-tilting Mammography Compression System.
- 1996 Cum Laude Citation Niklason L, Kopans DB, Christian B, Whitman GJ,
 Rouget HM, Opsahl-Ong B. Digital Tomosynthesis RSNA
- 1996 The Rose Kushner Award for Writing Achievement in the Field of Breast
 Cancer
- 1997 The American College of Radiology Commission Service Award
- 2000 Honorary member of the Australasian Society for Breast Disease
- 2004 National Breast Cancer Awareness Month Honors for Outstanding
 Contributions to Advances in Breast Cancer

- | | |
|------|--|
| 2004 | Sorkin Greenfield Award – American Association of Physicists in Medicine – Best Scientific paper during 2003 |
| 2004 | Gold Medal from the Society of Breast Imaging |
| 2005 | Glenn-Robbins Award – The New York Cancer Society and the New York Metropolitan Breast Cancer Group |
| 2007 | Pathfinder Award National Consortium of Breast Centers |
| 2008 | Certificate of Appreciation in Recognition of Contributions to the Global Fight Against Breast Cancer from the Israel Cancer Association in the presence of the President of the State of Israel, Shimon Peres |

Major Research Interests:

1. Breast cancer detection and diagnosis
2. Three-dimensional imaging
3. Improved techniques for localization of clinically occult breast lesions.
4. Breast Parenchymal Patterns and Breast Cancer Risk.
Grant, Co-Investigator.
5. Inventor of the DKBL springhook wire breast lesion localization system (Cook, Inc. Bloomington Ind.)
6. “Low dose Screening Techniques for Mammography”
Grant, Principal Investigator.
7. “Ultrasound, X-ray and Pathological Evaluation of Normal and Diseased Breasts”
Grant, Principal Investigator.
8. Development of Digital Mammography and other breast imaging modalities.
9. Inventor - Ridged Compression Assembly for Mammography Apparatus Patent # 4,962,515. October 9, 1990.
10. Inventor - Reduced Attenuation Platform for Magnification Mammography.
11. Inventor - Stabilized Needle Aspiration Guide Patent # 5,057,085 October 15, 1991.
12. Consultant for the development of an X-ray focusing device for mammography - SUNY Medical School
13. Consultant for the Cooperative Development of Digital Mammographic Systems
14. The three-dimensional Correlation of Histopathology and Mammographic Morphology
15. Interstitial Pressures in Benign and Malignant Lesions of the Breast
16. Positron Emission Tomography of the Breast
17. Magnetic Resonance Imaging of the Breast - Consultant in the development of a dedicated breast imaging system
18. Inventor of the MDTech “Kopans Target”
19. Patent #5553111 Apparatus and Method for Improved Tissue Imaging - Breast Traction Device
20. Patent #5872828: Tomosynthesis system for breast imaging

Teaching Experience:

- 1976- Lecturer, Harvard Medical School, Advanced Clerkship in Radiology at Massachusetts General Hospital, Radiology 501 M.3
- 1977- Lecturer, Resident Teaching Conferences, Massachusetts General Hospital
- 1978- Lecturer, Massachusetts General Hospital, Harvard University Postgraduate Course in Surgery
- 1978- Lecturer, Massachusetts General Hospital, Harvard University Postgraduate Course on Current Concepts in Cancer Diagnosis and Treatment
- 1980 Lecturer, Sarasota Memorial Hospital, Sarasota, Florida
- 1980- Director, Breast Imaging Fellowship, Department of Radiology, Massachusetts General Hospital.
- 1981 Guest Lecturer, Grand Rounds, Department of Diagnostic Radiology, New England Deaconess Hospital Boston, Massachusetts
- 1981 Guest Lecturer, Goddard Memorial Hospital, Brockton, Massachusetts. "Breast Imaging"
- 1981 Guest Lecturer, New England Society of Ultrasound in Medicine
- 1982 Lecturer, Grand Rounds, Morton F. Plant Hospital, Clearwater Florida, February 23, 1982.
- 1982 Lecturer, Harvard Medical School, Massachusetts General Hospital, Department of Radiology, Postgraduate Course, Cross-sectional Imaging - Ultrasound "Current Status of Breast Ultrasound"
- 1982 Lecturer, Harvard Medical School, Brigham and Women's Hospital, Department of Radiology, Postgraduate Course, Ultrasound for Clinicians, "Breast Update", May 4, 1982
- 1982 Lecturer, Grand Rounds, Goddard Hospital, Brockton, Massachusetts, "Breast Imaging" March, 1982.
- 1982 Harvard Medical School, Postgraduate Course, Advances in Cancer Management for the Surgeon, "Breast Imaging - 1982 and the Future", November 1982
- 1983 Lecturer, Cape and Islands Radiation Therapy Center Cancer Committee, Cape Cod Hospital and Professional Education Committee, Monthly Oncology Series, "Imaging of Early Breast Cancer", March, 1983
- 1983 Lecturer, Symmes Hospital, "Breast Imaging - Today and the Future", April 1983
- 1983 Lecturer, The Society for the Study of Breast Disease Annual Meeting, "Preoperative Radiographically Guided Localization - Importance of Accuracy for Benign Breast Disease"; "Ultrasound in the Evaluation of Breast Lesions and Guided Cyst Aspiration". May, 1983
- 1983 Lecturer, New Hampshire Medical Society Annual Convention, "Screening for Breast Cancer", June, 1983
- 1983 Lecturer, Monadnock Community Hospital, Keane, New Hampshire, "Breast Imaging"
- 1983 Lecturer, Breast Cancer Task Force, National Institutes of Health, National Cancer Institute, "Digital Mammography"
- 1983 Program Director, Massachusetts General Hospital, Harvard Medical School, Postgraduate Course, "Current Trends in Radiology and Medical Imaging"
- 1984 Visiting Professor, Mary Hitchcock Hospital, Hanover, New Hampshire, "Breast Imaging", February, 1984

- 1984 Lecturer, Veterans Administration Hospital, "Breast Imaging", February, 1984
- 1984 Lecturer, Brigham and Women's Hospital, OBS/GYN Grand Rounds, "Breast Imaging - Today and the Future", February, 1984
- 1984 Lecturer, American Roentgen Ray Society, "Early Detection Using Techniques Other Than Mammography", Las Vegas, Nevada, April, 1984
- 1984 Lecturer, The New England Roentgen Ray Society, Joint Meeting with Radiation Oncology, "Preoperative Guide Placement for Surgical Removal of Occult Breast Lesions", March, 1984.
- 1984 Visiting Professor, Department of Radiology, Hartford Hospital, Hartford, Connecticut. April, 1984
- 1984 Program Director and course developer "Radiology at the Massachusetts General Hospital", Boston, Massachusetts. October, 1984.
- 1984 Program Director and course developer "Breast Imaging" - A One Day Workshop, Massachusetts General Hospital. Boston, MA. October 8, 1984.
- 1984 Lecturer, ACR Categorical Course on Breast Imaging, Los Angeles, CA. September, 1984.
- 1984 Lecturer, Atlanta Radiological Society, Atlanta, Georgia. "Breast Imaging - The Role of Ultrasound". October, 1984.
- 1984 Lecturer, Panel on Diagnosis and Treatment of Carcinoma of the Breast, Mallinckrodt Institute of Radiology, St. Louis, Missouri. "Breast Imaging" November, 1984.
- 1985 Lecturer, Elliot Hospital Education program for Physicians. Elliot Hospital, Manchester New Hampshire. "Breast Imaging" January 1985.
- 1985 Visiting Professor, University of South Florida College of Medicine, Tampa Florida. "Breast Imaging" March, 1985.
- 1985 Lecturer, 66th Annual Session, American College of Physicians, Washington, D.C. "Current Trends in Breast Imaging" March 1985.
- 1985 Lecturer, New England Roentgen Ray Society, Boston, MA. "Breast Imaging" April 1985.
- 1985 Lecturer, Sixth Annual Diagnostic Symposium, Newport, R.I. Combined Imaging of the Breast. August 1985.
- 1985 Lecturer, New England Conference of Radiologic Technologists. Boston, MA. "Breast Imaging" September 1985.
- 1985 Lecturer, 19th Annual Symposium on Radiology of the Chest and Breast. "Interventional Breast Procedures with Ultrasound" September 1985.
- 1985 Lecturer, World Health Organization, Consultation on Breast Imaging Technologies in Control of Breast Cancer, hosted by the All-Union Cancer Research Centre, Moscow, USSR. October 2-4, 1985.
- 1986 Course Developer and Faculty American College of Radiology Breast Imaging Viewbox Seminars
- 1986 Lecturer, American Cancer Society New Hampshire Division - Decision Making Process in Carcinoma of the Breast - Mammography Update 1986, April 1986
- 1986 Faculty - Radiologic Society of North America - Course on Breast Imaging Chicago, November 1986
- 1987 Lecturer - Breast Imaging and Pre-operative Localization of Occult Breast Lesions Walter Reed Medical Center Washington, D.C.
- 1987 Guest Lecturer - Philadelphia Hospital Can mammography reduce mortality ?
- 1987 Faculty - ACR View Box Seminars on Breast Imaging
- 1987 Program Director and course developer Workshop on "Breast Imaging" - Massachusetts General Hospital and Harvard Medical School

- 1987 Faculty - Ausonics - Seventh Annual Breast Imaging Conference - Palm Springs
- 1987 Featured speaker - Radiology Section - Southern Medical Association San Antonio Texas
- 1987 Faculty - Refresher Course - Coordinated Breast Imaging - Radiological Society of North America Annual Scientific Symposium
- 1987 Guest Speaker - Radiology Grand Rounds Thomas Jefferson Medical Center
- 1988 Director - Breast Imaging 1988 Massachusetts General Hospital and the Harvard Medical School St. Thomas February 1988
- 1988 Program Committee and Lecturer 23rd National Breast Conference Los Angeles March 1988
- 1988 Lecturer - Breast Imaging Hospital of the University of Pennsylvania Martha's Vineyard
- 1988 Discussion Leader - Breast "Directions in Research in Diagnostic Imaging" National Institutes of Health Winston-Salem North Carolina
- 1988 Smithwick Symposium-The University Hospital - Boston University Medical Center.
- 1988 Faculty - Workshop on Clinical Breast Cancer Detection in the U.S. National Institutes of Health 12/7/88
- 1988 Early Detection and Screening: Impact For Survival: Harvard Medical School Pathophysiology Course Oncology
- 1989 Director - Breast Imaging 1989 Massachusetts General Hospital and the Harvard Medical School Maui, Hawaii January 23, 1989
- 1989 Breast Cancer Detection, Diagnosis, and Radiation Therapy - Invited speaker International Association for Breast Cancer Research -Tel Aviv Israel March 1989
- 1989 University of Cincinnati Medical Center 1989 Benjamin Felson Lecturer
- 1989 American College of Surgeons Faculty - Breast Cancer screening
- 1989 Guest Speaker NSABP Meeting Vancouver BC. June 1989
- 1989 Program Director - Problems and Solutions in Breast Imaging - Boston, Massachusetts
- 1989 Program Director - Problems and Solutions for the Breast Imaging Technologist - Boston, Massachusetts
- 1990 Faculty Indiana University School of Medicine
- 1990 Lecturer - Massachusetts Society of Radiologic Technologists
- 1990 Refresher Course Faculty American Roentgen Ray Society annual meeting.
- 1990 Co- Chairman and faculty - Categorical Course on Breast Imaging American College of Radiology Annual Meeting - Nashville, Tenn. 1990.
- 1991 Course Director - "Quality, Care, and Commitment" Technologist Training Programs - Washington, D.C.
- 1991 Course Director - American Roentgen Ray Society Symposium on Breast Imaging
- 1991 Visiting Professor Duke University Medical Center
- 1991 Faculty - American College of Radiology Viewbox Seminars
- 1991 Course Director - "Quality, Care, and Commitment" Technologist Training Programs - Boston, Mass.
- 1991 University of Michigan Breast Symposium - Faculty
- 1991 Massachusetts Section Scientific Meeting of the American College of Obstetricians and Gynecologists - Faculty
- 1991 Scripps Cancer Symposium - Faculty
- 1991 American College of Radiology Viewbox Seminar on Mammography - Faculty

- 1991 American Society for Therapeutic Radiology and Oncology national meeting - Panel Speaker
- 1991 Breast Imaging - The Team Approach - Course Director
- 1991 National Cancer Institute Breast Imaging Workshop - Faculty
- 1991 ASRT Technologist Training Program in Breast Imaging - Faculty
- 1992 Course Director - Quality, Care, and Commitment - Technologist Training Program
- 1992 Radiologic Society of North America - Refresher Course on Breast Imaging Reporting
- 1992 Radiologic Society of North America - Categorical Course on Breast Imaging
- 1992 Faculty - medical College of Wisconsin Breast Imaging Symposium
- 1992 Faculty - University of Chicago Conference on Breast Cancer Controversies
- 1992 American Cancer Society Workshop on Screening Women Age 40 - 49. Panel Expert
- 1992 Breast Imaging 1993 - Course Director
- 1993 National Cancer Institute Workshop on Screening Women Age 40 - 49. Panel Expert
- 1993 Presentations to the President's Panel on Breast Cancer
- 1993 Faculty - Society of Breast Imaging - First Meeting and Postgraduate Course.
- 1993 Faculty - American Cancer Society - National Conference on Breast Cancer - Boston 1993.
- 1993 Faculty - UICC International Committee to Review Screening Guidelines
- 1993 Faculty - National Cancer Institute Chemoprevention Workshop
- 1994 Congressional Testimony - Hearing on the NCI Screening Guidelines
- 1994 Invited Speaker - The Radiological Society of Spain Annual Educational Symposium
- 1994 Invited Speaker and Participant - American Cancer Society and the National Cancer Institute Workshop to Develop a Breast Cancer Screening Trial for Women Ages 40-49.
- 1994 Moderator - Department of Health and Human Services - Novel Approaches to Breast Imaging
- 1994 Faculty - University of California at San Francisco - The State of Breast Cancer 1994
- 1994 Faculty - Harvard Medical School - Management Decisions for the Surgeon
- 1994 Moderator - New Frontiers in Breast Imaging - Department of Health and Human Services
- 1994 George Washington University Medical Center - Brian Brewer Blades Memorial Lectureship - The Screening Controversy - Women Ages 40-49.
- 1994 Lecturer - The Value of Routine Mammographic Screening for Women Ages 40-49. Primary Care Internal Medicine Principles and Practice - Harvard Medical School
- 1994 Course Director - Quality, Care, and Commitment - Lectures on Image Analysis and Case Review
- 1994 Faculty - Harvard Medical School - Advances in Cancer Management for the Surgeon
- 1994 Speaker - Radiological Society of North America - 1. Refresher Course - BIRADS
2. Special Focus - Cancer in Young Women
3. Categorical Course on Physics

- 1995 Course Director - Harvard Medical School - Breast Imaging 1995
- 1995 Harvard Medical School - New Pathways - Screening Debate
- 1995 Invited Lecturer - The Society of Breast Disease and The New York Breast Cancer Society
- 1995 Faculty - Modern Surgical Oncology for the General Surgeon - Harvard Medical School
- 1995 Visiting Professor - Toronto University - Sunnybrook Medical Center
- 1995 Course Director Harvard medical School "Team Approach" Toronto, Canada
- 1995 Moderator - National Cancer Institute Radiology Centennial Commemorative Conference - "Breast Imaging a Case Study
- 1995 Invited Faculty - Society of Breast Imaging - Screening Controversy
- 1995 Invited Speaker - American Society of Clinical Oncology - Annual Meeting
- 1995 Course Director - Harvard medical School "Breast Imaging - The Team Approach" - Denver, Colorado
- 1995 Course Director - Harvard medical School "Breast Imaging - The Team Approach" Chicago
- 1995 Speaker - Surgical Grand Rounds - Mount Auburn Hospital, Cambridge, Massachusetts
- 1995 Course Director - Harvard medical School "Breast Imaging - The Team Approach" Boston
- 1995 Director - Categorical Course in Diagnostic Radiology: Breast Imaging. RSNA 1995.
- 1996 Course Director - Harvard Medical School "Breast Imaging 1996"
- 1996 Faculty - University of California at San Francisco- Breast Imaging Course
- 1996 Course Director - Harvard Medical School - Team Approach - Toronto, Canada
- 1996 Course Director - "Quality Care and Commitment - Boston, Mass.
- 1996 Faculty - Harvard Medical School - Radiology Review 1996
- 1996 Invited Lecturer - Controversies in Breast Imaging - American Society of Clinical Oncology
- 1997 Invited speaker Consensus Development Conference on Screening Women Ages 40-49 for Breast Cancer.
- 1997 Invited speaker and Panel member American Cancer Society Workshop on Screening women ages 40-49 for Breast Cancer
- 1997 Course Director - Harvard Medical School - Breast Imaging 1997
- 1997 Course Director - Harvard Medical School - Team Approach - 1997 Toronto
- 1997 Faculty - First Annual Women's Imaging Seminar - Washington, D.C.
- 1997 Faculty - Society of Breast Imaging - Biennial Conference - San Diego 1997.
- 1997 Invited Speaker New Zealand Cancer Foundation
- 1997 Faculty - Annual Pittsburgh Breast Imaging Seminar
- 1997 Invited Speaker - University of Connecticut Breast Cancer Symposium
- 1997 Course Director - Harvard Medical School - MGH - Breast Imaging - Team Approach
- 1997 Invited speaker - American College of Surgeons annual meeting Chicago
- 1997 Invited speaker - Department of Defense - Frontiers in Prevention and

- Detection
- 1998 Course Director - Harvard Medical School - MGH - Breast Imaging -1998
- 1998 Course Director - Harvard Medical School - MGH - Team Approach
Toronto
- 1998 Speaker - Harvard Medical School
Radiology into the 21st Century - Digital Mammography
- 1998 Speaker - 4th Annual Bernard Fisher, M.D. Lectureship
- 1998 Speaker - Wendy & Emery Reves International Breast Symposium
- 1998 Partners - Gillette Center for Women's Cancers _ New Technologies in
Breast Cancer Detection
- 1998 Course Director - Breast Imaging - The Team Approach
- 1998 RSNA - Course on New Techniques in Breast Cancer Detection and
Diagnosis
- 1998 Invited Speaker - I International Congress on Early Breast Cancer
Detection - Cadiz, Spain
- 1999 Featured speaker - New England Roentgen Ray Society
- 1999 Course Director and speaker - Harvard Medical School - Breast Imaging
- 1999 Featured speaker - Women's and Infants Hospital - Providence Rhode
Island.
- 1999 Faculty – Society of Breast Imaging Biennial Meeting – Boston
- 1999 Workshop Leader – From Mammography to Pap –
Making Sure your Test makes the Grade – Massachusetts General
Hospital
- 1999 Key note speaker – Australasian Society of Breast Disease
- 1999 Course Director – The Team Approach to Breast Imaging – Boston
Speaker – Advances in Cancer Management – Harvard Medical School
and the Massachusetts General Hospital
- 1999 RSNA – Special Focus Session on Computer Aided Detection
- 1999 RSNA – Categorical Course on the Effects of Tumor Biology on
Screening
- 1999 RSNA - Course on New Techniques in Breast Cancer Detection and
Diagnosis
- 1999 Breast Journal 5th Annual Multidisciplinary Symposium on Breast
Disease – Rome Italy – Invited Faculty
- 2000 Tel Aviv Israel – Course Co-Director – Update on Breast Cancer
Detection and Diagnosis
- 2000 The Team Approach to Breast Imaging - Boston – Course Director
- 2000 Breast Cancer Detection, Diagnosis and Treatment – Boston – Course
Director
- 2000 RSNA – Categorical Course on the Effects of Tumor Biology on
Screening
- 2000 RSNA - Course on New Techniques in Breast Cancer Detection and
Diagnosis
- 2000 University of California at San Francisco – A Practical Approach to
Breast
Imaging - Faculty
- 2001 Visiting Professor – Rhode Island Hospital – Brown University School of
Medicine
- 2001 Faculty Brigham and Womens/MGH Review Course

2001	Course Director – The Team Approach to Breast Imaging and Update on Breast Cancer Detection, Diagnosis and Treatment - Boston, Massachusetts.
2001	Speaker Seventh Annual Perspectives in Breast Cancer - Boston, Massachusetts
2002	Gynecology Grand Rounds – MGH – Future Advances in Breast Imaging
2002	New England Roentgen Ray Faculty – Mammography Refresher Course
2002	Speaker – Stanford Breast Imaging
2002	Faculty – American College 30th National Breast Conference
2002	Invited speaker – Global Summit on Mammographic Screening – European Institute of Oncology
2002	Faculty EORTC/ EUSOMA DCIS Consensus Conference – The Netherlands
2001	Mayo Clinic – Panelist – Medicine and the Media
2002	Keynote Speaker American College of Surgeons Commission on Cancer
2003	Course Director New England Roentgen Ray Course on Breast Imaging
2004	Invited Speaker and Honoree - National Breast Cancer Awareness Month 20th Anniversary
2004	Invited speaker 28th Annual Society of Breast Disease Symposium – Exploring the Future of Breast Disease
2005	Glenn-Robbins Award – Lecturer -The New York Cancer Society and the New York Metropolitan Breast Cancer Group – Lessons from the Mammography Debates
2008	Guest lecturer - Israel Radiological Association – Eilat Israel
2009	Speaker New York Society of Breast Imaging – Digital Breast Tomosynthesis
2009	Guest lecturer Brigham and Women’s Hospital Image Processing, Analysis, Display and Navigation. Digital Breast Tomotnthesis
2010	University of California – A Practical Approach to Breast Imaging – Invited speaker
2010	New England Roentgen Ray – Invited Speaker – Medical Malpractice
2010	National Council on Radiation Protection – Invited Speaker

Principal Hospital Service Responsibilities:

1978-2006	Director of Breast Imaging, Department of Radiology, Massachusetts General Hospital
1979	Staff, Ultrasound and CBT Sections, Department of Radiology, Massachusetts General Hospital
1983-1994	Assistant Director of Ambulatory Care Radiology, Massachusetts General Hospital
1994-1995	Co-Acting Director of Ambulatory Care Radiology, Massachusetts General Hospital

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1995 Acting Director of Ambulatory Care Radiology, Massachusetts General Hospital

Principal Hospital Administrative Responsibilities:

1978-2006 Director and Founder, Breast Imaging Division, Department of Radiology Massachusetts General Hospital

1983- Assistant Director of Ambulatory Care Radiology, Massachusetts General Hospital

1986- Director of the Massachusetts General Hospital Mammography Center

1994 Co-Acting Director of Ambulatory Care Radiology, Massachusetts General Hospital

1995-1998 Acting Director of Ambulatory Care Radiology, Massachusetts General Hospital

Principal Academic Administrative Responsibilities:

1978- Abdominal Plain Films for medical students Harvard Medical School - Massachusetts General Hospital medical student training program

1978- Breast Imaging for medical students Harvard Medical School - Massachusetts General Hospital medical student training program

1984- Program Chairman and Director Harvard Medical School and the Massachusetts General Hospital Breast Imaging Workshop

1984- Director - Breast Imaging Fellowship Department of Radiology Massachusetts General Hospital

1984- Consultant, "New Pathway Curriculum Planners", Academic Programs, Harvard Medical School

1987 Chairman special study section Department of Health and Human Services

1988 Chairman special study section Department of Health and Human Services

1989 Chairman ACR Committee on Breast Imaging Reporting and Data Collection

1991 American College of Radiology Committee on Mammography Detector Systems

1991 American Society of Clinical Oncology Task Force on Breast Cancer Prevention and Control

1992 Chairman, American College of Radiology Radiologist Curriculum Development for Breast Imaging

1992 Chairman and Director American College of Radiology Viewbox Seminars

1992 European School of Oncology Advisory Group on Small Lesions Detected by Screening Mammography

FUNDED RESEARCH:

1978-1980	National Cancer Institute - Low Dose Screening Techniques for Mammography - Co PI
1979-1981	Johnson and Johnson - An Ultrasound, X-ray, and Pathology Evaluation of Normal and Diseased Breasts - Co PI
1993-1994	Environmental Protection Agency - Evaluation of Benthic Community Cores
1994-1995	USAMRDC - Florescence Optic Fibre Stereotactic Needle Ratiometer for Breast Tumor Diagnosis - Co PI
1994-1998	USAMRDC - Digital Imaging Database for Mammographic Image Analysis - Co PI
1995-1996	Massachusetts Department of Public Health - The Evaluation of Breast Cancer Risk Associated with Mammographic Density. Co PI.
1996	US ARMY Breast Tomosynthesis IDEA Grant (DAMD17-96-C-6086)
1998-2001	US ARMY Breast Tomosynthesis Clinical Translational Research (CTR DAMD17-98-8309)
2004-2007	National Institutes of Health NCI-NBI Screening Trial (5R33-CA107863-01)

INVENTIONS AND PATENTS

1. Inventor of a strobe sequenced device to facilitate the three-dimensional viewing of cross-sectional images.
2. Inventor of the DKBL springhook wire breast lesion localization system (Cook, Inc. Bloomington Ind.)
3. Inventor - Ridged Compression Assembly for Mammography Apparatus Patent # 4,962,515. October 9, 1990.
4. Inventor - Reduced Attenuation Platform for Magnification Mammography.
5. Inventor - Stabilized Needle Aspiration Guide Patent # 5,057,085
6. Inventor of the MDTech "Kopans Target"
7. Co-inventor - Method for Locating Tumors prior to Needle Biopsy Patent #5,396,897
8. Inventor - Reduced Attenuation Platform for Magnification Mammography
9. Patent #5553111 Apparatus and Method for Improved Tissue Imaging - Breast Traction Device
10. Patent #5872828: Tomosynthesis system for breast imaging

BIBLIOGRAPHY

ORIGINAL REPORTS:

1. Kopans DB, Deluca S. A modified needle-hookwire technique to simplify the preoperative localization of occult breast lesions. *Radiology* 1980; 134:781.
2. Meyer JE, Kopans DB. Xeromammographic appearance of lymphoma of the breast. *Radiology* 1980; 135:623-626.
3. Kopans DB. A strobe sequenced device to facilitate the three-dimensional viewing of cross-sectional images. *Radiology* 1980; 135:780-781.
4. Kopans DB, Meyer JE. Benign lymph nodes associated with dermatitis presenting as breast masses. *Radiology* 1980; 137:15-20.
5. Meyer JE, Kopans DB. Stability of a mammographic mass: a false sense of security. *AJR* 1981; 137:595-598.
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