

CURRICULUM VITAE

Name: Steven E. Seltzer
Address: 236 Walnut Street
Brookline, MA 02146

Date and Place of Birth: June 30, 1951, Philadelphia, PA

Education:

1972 B.A. University of Pennsylvania
1976 M.D. University of Pennsylvania, School of Medicine
1998 M.A. (Hon.) Harvard University

Postdoctoral Training:

Internship and Residencies:

1976-1978 Resident in Radiology, Peter Bent Brigham
Hospital, Boston, Massachusetts
1978-1980 Chief Resident in Radiology, Peter Bent
Brigham Hospital, Boston, Massachusetts

Research Fellowships:

1968-1974 Research Training Grants from National
Science Foundation, U.S. Public Health
Service, and National Institutes of Health
1976-1980 Clinical Fellow in Radiology, Harvard Medical
School, Boston, Massachusetts
1979 Research Fellowship in Ultrasound with Hans
Henrik Holm, M.D., Copenhagen, Denmark
(one month)
1979-1980 Clinical Fellowship in Ultrasound and Computed
Tomography, Peter Bent Brigham Hospital,
Boston, Massachusetts

- 1986 Fogarty Senior International Fellowship, Research in liposome technology with Dr. Gregory Gregoriadis, Royal Free Hospital, London, England (three months)
- 1987 Visiting Scientist, Bolt Beranek and Newman Inc., Cambridge, Massachusetts
- 2015 Visiting Scholar in Economic Studies, Center for Health Care Policy, The Brookings Institution, Washington, DC

Other Training:

- 1981 Training Program in Administration and Management, Harvard University

Licensure and Certification:

- 1977 National Board of Medical Examiners Certification
- 1979 Massachusetts License Registration No. 44017
- 1980 California License Registration No. G 42825
- 1980 American Board of Radiology, Specialty Certification in Diagnostic Radiology

Academic Appointments:

- 1980-1982 Instructor in Radiology, Harvard Medical School
- 1982-1985 Assistant Professor of Radiology, Harvard Medical School of Radiology, Harvard Medical School
- 1997-1998 Professor of Radiology, Harvard Medical School
- 1998- Philip H. Cook Professor of Radiology, Harvard Medical School

Hospital/Health System Appointments:

- 1980-1981 Radiologist, Director of Research in Computed Tomography, Brigham and Women's Hospital, Boston, Massachusetts
- 1981-1984 Radiologist, Director of Computed Body Tomography, Brigham and Women's Hospital, Boston, Massachusetts
- 1993-1984-97 Chairman, Dana Farber Radiology, Boston, Massachusetts
Radiologist, Co-Director of Abdominal Imaging, and Director of Computed Tomography, Brigham and Women's Hospital, Boston, Massachusetts
- 1995-97 Vice-Chair for Systems and Planning, Department of Radiology, Brigham and Women's Hospital, Boston, Massachusetts
- 1996-97 Chief Operating Officer, Partners Radiology, Partners HealthCare, Boston, Massachusetts
- 1997 Acting Chair, Department of Radiology, Brigham and Women's Hospital, Boston, Massachusetts
- 1997- Chairman, Department of Radiology, Brigham and Women's Hospital, Boston, Massachusetts
- 2006-08 Staff Radiologist, Cape Cod Hospital, Hyannis, Massachusetts

Other Professional Positions and Major Visiting Appointments:

- 1979 Fellow of George C. Marshall Fund for Study in Denmark (one month)
- 1986 Fogarty Senior International Fellowship, London, England (three months)
- 1987-88 Visiting Scientist, Bolt, Beranek and Newman, Inc., Cambridge, Massachusetts
- 1992-1993-95 CT Advisory Board, Siemens Medical Systems, Iselin, NJ
Scientific Advisory Board, Aberlyn Capital Management Co., Waltham, MA
- 1993-94 Visiting Scientist, Vision Sciences Laboratory, Department of Psychology, Harvard University, Cambridge, Massachusetts
- 1993-97 Visiting Scientist, Polaroid Medical Imaging, Newton, MA

- 1994-95 Scientific Advisory Board, Strategic Health Care Investment Fund, New York, NY
- 2001 Visiting Scientist, Cancer Imaging Program, National Cancer Institute, Bethesda, MD
- 2015- Visiting Scholar, Health Care Policy, Brookings Institution, Washington, DC

Awards and Honors:

- 1971 Phi Beta Kappa (Junior year), University of Pennsylvania
- 1968-1972 Dean's List with Special Distinction, University of Pennsylvania
- 1976 Mosby Book Award for Academic Distinction, University of Pennsylvania School of Medicine
- 1979-1980 New England Roentgen Ray Society, Unknown Diagnoses Awards
- 1981 Teacher of the Year - George Marina Memorial Award for best Staff Radiologist teacher, Department of Radiology, Brigham and Women's Hospital
- 1984 Stauffer Award, Association of University Radiologists, for best research paper published in Investigative Radiology, "Liposomes Carrying Diatrizoate: Characterization of Biophysical Properties and Imaging Applications," (see publication #29)
- 1986 Recipient-Fogarty Senior International Fellowship for study in England
- 1986 Editor's Recognition Award from Radiology
1988 with Special Distinction
1993 with Distinction
1994 with Distinction
1995 with Distinction
1996 with Distinction
- 1992 Harry Z. Mellins Award for contributions as an outstanding
- 1993 Clinician and leader from Department of Radiology, Brigham and Women's Hospital
- 1996-97 Donaldson Fellowship in Health Care Leadership, Partners HealthCare, Boston, Massachusetts
- 1997 Elected to Fellowship in American College of Radiology
- 2004 Gold Medal, Association of University Radiologists
- 2010 Nominee, Dean's Award for Support for Women Faculty
- 2012 Nominee, Dean's Award for Support for Women Faculty
- 2014 Charter Fellow Member, Society of Abdominal Radiology

Named Lectures:

2002 Philip Hodes Lecture, Thomas Jefferson University

2012 Eugene Pendergrass Lecture, U of Pennsylvania

2013 William Kaplan Lecture, Harvard Joint Program in Nuclear Medicine

2014 John Dennis Lecture, University of Maryland

Major Committee Assignments:

Hospital and Health System:

- 1979 Association of American Medical Colleges - Member, Task Force on Graduate Medical Education Brigham and Women's Hospital:
- 1984-97 Educational/Resident Selection Committee, Dept. of Radiology
- 1984-97 Research Committee, Dept. of Radiology
- 1992-97 Steering Committee, Dept. of Radiology
- 1993-95 Medical Staff Executive Committee, Brigham and Women's Hospital
- 1992-95 Secretary to Chairman, BWH Medical Staff Organization
- 1994-96 Managed Care Committee, Brigham and Women's Hospital
- 1994 BWH-MGH Affiliation Task Force on Physician Participation
- 1994 BWH-MGH Affiliation Research Task Force Subcommittee on Joint Clinical Research
- 1994-1995 Co-Chair BWH Task Force to form the Brigham and Women's Hospital Physician Organization
- 1995- Board of Directors, Brigham and Women's Physician Hospital Organization
- 1996-2000 Board of Directors, Brigham Radiology Foundation
- 2000- Board of Directors, Brigham and Women's Physician Organization
 - 200-2004 Co-Chair, Administration and Finance Committee,
 - 2004-2008 Chair, Board of Directors
 - 2012 Chair, Finance Committee
- 2004-2008 Board of Directors, Brigham and Women's/Faulkner Hospital

Partners HealthCare:

- 1995-96 Network Operations Committee
- 1996- Radiology Operations Committee

Editorial Boards:

- 1979-2000 Postgraduate Radiology
 - 1979-1998 Associate Editor
 - 1998-2000 Editor-in-Chief
- 1982- Journal of Computer Assisted Tomography, Reviewer
- 1982- New England Journal of Medicine, Reviewer
- 1982-1984 Cardiovascular and Interventional Radiology, Reviewer
- 1982-1994 Investigative Radiology
 - 1982 - Reviewer
 - 1986 - Editorial Board
 - 1987 - Associate Editor
 - 1987 - Editor, Current Concepts Section
 - 1988 Chairman, Stauffer Award Selection Committee (Basic Science Papers)
 - 1982-1994
 - 1989 Chairman, Stauffer Award Selection Committee
 - 1993 - Editor, Administration and Management Section
- 1984-1985 Chest, Reviewer
- 1985- Radiology, Reviewer
- 1987- American Journal of Roentgenology, Reviewer
- 1987- Computerized Medical Imaging and Graphics, Editorial Board
- 1994- Academic Radiology, Associate Editor
- 1994- 1994 - Editor, Current Innovation Section
- 1994 - Editor, Departmental Management Section

Memberships, Offices and Committee Assignments in Professional Societies:

- 1976- American Medical Association
- 1976- New England Roentgen Ray Society, (Member, Education Committee 1979-80)

- 1980- American College of Radiology
- 1981-1985 New England Computed Tomography Society, Founder and First President
- 1982- Association of University Radiologists
 - 1993 AUR Executive Committee
 - 1997-2000 Secretary/Treasurer to President
 - 2000-2001 President
- 1984- Radiological Society of North America
- 1986- Society of Gastrointestinal Radiologists/Society of Abdominal Radiology
 - 1994 Chair, Scientific Award Committee
 - 2014 Charter Fellow Member
- 1988- American Roentgen Ray Society
- 1994-1996 Massachusetts Radiological Society Economic Committee
- 1996- Society for Computed Body Tomography and MRI
- 1998- Society of Chairs of Academic Radiology Departments
 - 2009-2011 President
- 2003- General Electric – Association of University Radiologists Research Academic Fellowship Board of Review
- 2004- International Society for Strategic Studies in Radiology
- 2004- Member, Board of Directors, Academy of Radiology Research
 - 2009-2011 President, ARR
 - 2013- President, Coalition for Imaging and Bioengineering Research (CIBR)

Major Research Interests:

1. Perceptual Processes in Radiology
 - a. Analysis of radiographic interpretations
 - b. Perception of liver lesions on CT
 - c. Feature analysis in Radiology
 - d. Use of advanced displays
2. Contrast Agent Development
 - Development of new hepatic contrast agents for CT and MR

3. Clinical Computed Tomography
Applications of spiral CT
4. Administration and Management in Radiology

Research Grants:

- | | |
|-----------|---|
| 1981-1982 | Milton Fund, Harvard University - "Radiopaque Liposomes,"
Principal Investigator - \$3,000 |
| 1981-1982 | Biomedical Research Support Grant, Brigham and Women's
Hospital - "Radiopaque Liposomes," - Principal Investigator
- \$6,000 |
| 1982-1984 | Mallinkrodt, Inc. - "Radiopaque Liposomes," Principal
Investigator - \$16,000 |
| 1982-1985 | American Cancer Society - "Improved Radiographic
Detection of Tumors: Development of New Contrast Agents
for Computed Tomography," Principal Investigator -
\$115,075,
renewed for an additional \$62,000 in 1984 |
| 1982-1986 | National Institutes of Health - "The Detection of Focal
Lesions on CT Images," Principal Investigator - \$375,145;
project is part of BWH Radiology Center Grant, N. K.
Hollenberg PI overall |
| 1985-1991 | National Institutes of Health - "Discrimination and Detection
of Features on CT Images," Investigator - \$149,251 |
| 1985-1991 | National Institutes of Health - "Observer Efficiency in
Detection and Discrimination Tasks" - Investigator -
\$216,240 |
| 1986 | National Institutes of Health - "Liposome Encapsulated
Contrast Agents for CT Scanning" - Fogarty Senior
International Fellowship-\$7,500. |
| 1987-1991 | Agency for Health Care Policy Research - "Feature Analysis
in Medical Imaging", Investigator - \$218,689 |

- 1987-1992 National Institutes of Health - "Improved Imaging of Tumors: Development of New Contrast Agents for Computed Tomography", Principal Investigator - \$85,945
- 1991-1992 Advanced Magnetics Inc., - "Clinical Trial of AMI-25, A Novel Contrast Agent for Liver and Spleen MRI," Principal Investigator - \$57,000
- 1991-93 The Liposome Co., - "Fellowship in Contrast Agent Development," Principal Investigator - \$100,000
- 1992-93 National Institutes of Health - "Observer Efficiency in Detection and Discrimination Tasks," Investigator - \$220,243
- 1992-95 Agency for Health Care Policy Research - "Enhanced Accuracy of MRI for Prostate Cancer Staging", Investigator - \$298,000
- 1992-95 Siemens Medical Systems - "Spiral CT Scanning" Principal Investigator - \$60,000
- 1993-94 Alliance Pharmaceuticals - "Clinical Trial of Imagent LN for Lymph Node Imaging," Investigator - \$30,000
- 1994 Sterling Winthrop Inc. - "Clinical Trial of MnDPDP for Hepatic MRI," Principal Investigator - \$20,000
- 1994-1998 US Army Research Command, "Improving the Accuracy of Mammogram Interpretation," Principal Investigator on BWH Subcontract - \$79,303 (subcontract)
- 1996- Co-Director, BWH-MGH Center for Clinical Trials in Radiology. Grants include:
- Phase I Clinical Trial of Optimark, PI, \$70,000
 - Phase II Clinical Trial of WIN 67722, PI, \$70,000
 - 7 other active clinical trials under Center's auspices
- 2009- Toshiba Medical Systems - "Improving Visualization of Multislice CT Scans," Principal Investigator - \$200,000
- 2009- Siemens Medical Solutions - "Joint Research and Development in High Field MRI," Principal Investigator - \$400,000
- 2009- National Institutes of Health - "Construction of the Brigham Research MRI Facility," Principal Investigator - \$6,091,000

Principal Clinical and Hospital Service Responsibilities:

1980- Radiologist, specializing in Computed Body Tomography, Brigham and Women's Hospital, Boston, Massachusetts

Major Administrative Responsibilities:

1980-1981 Director of Research in Computed Tomography, Department of Radiology, Brigham and Women's Hospital

1981- Director of Computed Body Tomography, Department of Radiology, Brigham and Women's Hospital

1983- Coordinator, CT/US and Abdominal Imaging Fellowship Programs, Department of Radiology, Brigham and Women's Hospital

1984- Co-Director of Abdominal Imaging, Department of Radiology, Brigham and Women's Hospital

1990-1994 Secretary to Chairman of the Medical Staff, Brigham and Women's Hospital

1995- Board of Directors, Brigham and Women's Physician Hospital Organization and Physician Organization

1998- Chair, Department of Radiology, Brigham and Women's Hospital

Other Training:

1981 Training Program in Administration and Management, Harvard University

Teaching Experience:

1980- Lecturer to first year medical students in anatomy, Harvard Medical School

1980- Course Co-Director, "Computed Tomography and MRI" Boston, Massachusetts, Harvard Medical School, Postgraduate Course

- 1980-82 Lecturer on Radiology to Harvard-MIT Health Sciences Technology M.D. - Ph.D. Program
- 1981-82 Lecturer for annual Harvard Medical School Postgraduate Course "Chest Radiology"
- 1981-1982 Lecturer for annual Harvard Medical School Postgraduate Course "Infectious Disease"
- 1982-1983; 1991 Lecturer for annual Harvard Medical School Postgraduate Course "Orthopedic Radiology"
- 1983-1995 Coordinator CT/Ultrasound and Abdominal Imaging Fellowship Programs, Brigham and Women's Hospital
- 1984 Consultant, New Pathway Curriculum Development Project, Harvard Medical School
- 1991 -1995 Preceptor for "Visiting Fellowship" in Computed Tomography, Brigham and Women's Hospital
- 1980- Faculty member for a variety of non-Harvard Postgraduate Medical Education Courses (see "Invited Presentations")
- 1994 Course Co-Director, "Managing Radiology in a Competitive Environment," Boston MA, Harvard Medical School Postgraduate Course
- 1995- Lecturer for annual Harvard Medical School Postgraduate Course "Radiology Review Course"
- 2008- Lecturer on "Politics and Economics of Radiology" in HMS Clerkship

Bibliography

1. Seltzer SE, Balikian JP, Birnholz JC, Hargreaves H, Cartier P, Herman PG. Giant hyperplastic parathyroid gland in mediastinum – partially cystic and calcified. *Radiology* 1978; 127:43-44.
2. Seltzer SE, Benazzi RB, Kearney GP. Cyclophosphamide and carcinoma of bladder. *Urology* 1978; 11:352-356.
3. Seltzer SE, Jones B. Cecal perforation associated with gastrografin enema. *AJR* 1978; 130:997-998.
4. Herman PG, Balikian JP, Seltzer SE, Ehrie M. The pulmonary-renal syndrome. *AJR* 1978; 130:1141-1148.
5. Seltzer SE, Griffin T, D'Orsi C, Tryka F, Herman PG. Pulmonary reaction associated with Neocarzinostatin (NCS) therapy. *Cancer Treatment Reports*. 1978; 62:1270-1271.
6. Li DK, Seltzer SE, McNeil BJ. V'/Q' mismatches unassociated with pulmonary embolism: Case report and review of literature. *J Nuc Med* 1978; 19:1331-1333.
7. Cheng TH, Davis MA, Seltzer SE, Jones B, Abbruzzese AA, Finberg HJ, Drum DE. Evaluation of hepatobiliary imaging by radionuclide scintigraphy, ultrasonography, and contrast cholangiography. *Radiology* 1979; 133:761-767.
8. Seltzer SE, Harris J, Finberg HJ, Weissman BN, Kido DK, Collier BD. Arthrosonography: Grey-scale ultrasound evaluation of the shoulder. *Radiology* 1979; 132:467-468.
9. Collier BD, Seltzer SE, Kido DK, Utsonomiya R. Ultrasound directed placement of needles into brains of Rhesus monkeys. *Neuroradiology* 1980; 19:201-205.
10. Seltzer SE, Finberg HJ, Weissman BN. Arthrosonography: Technique, sonographic anatomy, and pathology. *Invest Radiol* 1980; 15:19-29.
11. Havron A, Davis MA, Seltzer SE, Paskins-Hurlburt AJ, Hessel SJ. Heavy metal particulate contrast materials for computed tomography of the liver. *J Comput Assist Tomog* 1980; 4:642-648.
12. Seltzer SE, Hessel SJ, Herman PG, Swensson RG, Sherriff CR. Resident film interpretations and staff review. *AJR* 1981; 137:129-133.

13. Seltzer SE, Adams DF, Davis MA, et al. Hepatic contrast agents for computed tomography: High atomic number particulate material. *J Comput Assist Tomog* 1981; 5:370-374.
14. Havron A, Seltzer SE, Davis MA, Shulkin P. Radiopaque liposomes: A promising new contrast material for computed tomography of the spleen. *Radiology* 1981; 140:507-511.
15. Seltzer SE. Rare earth contrast agents in hepatic computed tomography. In: Felix R, Kazner E, eds. *Proceedings of the International Workshop in Contrast Media in Computed Tomography*, Berlin, 1981. Amsterdam: Excerpta Medica, 1981:76-84.
16. Seltzer SE, D'Orsi CJ, Kirshner R, DeWeese JA. Traumatic aortic rupture: Plain radiographic findings. *AJR* 1981; 137:1011-1014.
17. Cohen Z, Seltzer SE, Davis MA, Hanson RN. Iodinated starch particles: New contrast material for computed tomography of the liver. *J Comput Assist Tomog* 1981; 5:843-846.
18. Meshkov SL, Seltzer SE, Finberg HJ. CT detection of intra-abdominal disease in patients with lower extremity signs and symptoms. *J Comput Assist Tomog* 1982; 6:497-501.
19. Spirn PW, Godleski JJ, Dluhy RG, Seltzer SE, Herman PG. Young woman with Cushing's syndrome. *Invest Radiol* 1982; 17:336-341.
20. Duszlak EJ, Costello P, Seltzer SE, Clouse ME. Computed tomography of prosthetic arterial graft complications. *Comput Tomog* 1982; 6:95-101.
21. Manzione JV, Seltzer SE, Katzberg RW, Hammerschlag SB, Chiango BF. Direct sagittal computed tomography of the temporomandibular joint. *AJNR* 1982; 3:677-679; *AJR* 1983; 140:165-167.
22. Kirshner R, Seltzer S, D'Orsi C, DeWeese JA. Upper rib fractures and mediastinal widening: Indications for aortography. *Ann Thorac Surg* 1983; 35:450-454.
23. Richie JP, Garnick MB, Seltzer SE, Bettmann MA. Computed tomography scan for diagnosis and staging of renal cell carcinoma. *J Urol* 1983; 129:1114-1116.
24. Grant DC, Seltzer SE, Antman K, Finberg HJ, Koster K. Computed tomography of malignant pleural mesothelioma. *J Comput Assist Tomog* 1983; 7:626-632.

25. Seltzer SE, Weissman BN, Braunstein EM. Indications for CT scanning in orthopaedic disorders of hip. *Orthopedic Rev* 1983; 12:29-40.
26. Doubilet PM, Seltzer SE, Hessel SJ. Computed tomography in the diagnosis and management of paravertebral masses. *Comput Radiol* 1984; 8:101-106.
27. Mintz M, Seltzer SE. Oral administration of contrast medium for rectal opacification in pelvic computed tomography. *J Comput Tomog* 1984; 8:73-74.
28. Manzione JV, Katzberg RW, Brodsky GL, Seltzer SE, Mellins HZ. Internal derangements of the temporomandibular joint: Diagnosis by direct sagittal computed tomography. *Radiology* 1984; 150:111-115.
29. Seltzer SE, Davis MA, Adams DF, Shulkin PM, Landis WJ, Havron A. Liposomes carrying diatrizoate: Characterization of biophysical properties and imaging applications. *Invest Radiol* 1984; 19:142-151.
30. Seltzer SE, Doubilet PM, Sherrif CR, Katz JM. Educational impact of faculty review on radiology residents' radiographic interpretations. *Invest Radiol* 1984; 19:61-64.
31. Berezin A, Seltzer SE. Differential diagnosis of huge abdominal masses visualized on CT scans. *Comput Radiol* 1984; 8:95-99.
32. Seltzer SE, Weissman BN, Braunstein EM, Adams DF, Thomas WH. Computed tomography of the hindfoot. *J Comput Assist Tomog* 1984; 8:488-497.
33. Seltzer SE. Abnormal intra-abdominal gas collections visualized on computed tomography: A clinical and experimental study. *Gastrointest Radiol* 1984; 9:127-131.
34. Shulkin PM, Seltzer SE, Davis MA, Adams DF. Lyophilized liposomes: A new method for long-term vesicular storage. *J Microencapsul* 1984; 1:73-80.
35. Seltzer SE. Value of computed tomography in planning medical and surgical treatment of chronic osteomyelitis. *J Comput Assist tomog* 1984; 8:482-487.
36. Braunstein EM, Weissman BN, Seltzer SE, Sosman JL, Wang A-M, Zamani A. Computed tomography and conventional radiographs of the cranio region in rheumatoid arthritis. *Arthritis Rheum* 1984; 27:26-31.

37. Seltzer SE, Herman PG, Sagel SS. Differential diagnosis of mediastinal fluid levels visualized on computed tomography. *J Comput Assist Tomogr* 1984; 8:244-246.
38. Balcar I, Seltzer SE, Davis S, Geller S. CT patterns of splenic infarction: A clinical and experimental study. *Radiology* 1984; 151:723-729.
39. Seltzer SE, Shulkin PM, Adams DF, Davis MA, Hoey GB, Hopkins RM, Bosworth ME. Sequences of liposomes carrying iosephamate for CT opacification of liver and spleen. *AJR* 1984; 143:575-579.
40. Seigel HA, Seltzer SE, Miller S. Prenatal CT: Are there indications? *J Comput Assist Tomogr* 1984; 8:871-876.
41. Cayea PD, Seltzer SE. A new barium paste for computed tomography of the esophagus. *J Comput Assist Tomogr* 1985; 9:214-216.
42. Hussain S, Belldegrun A, Seltzer SE, Richie JP, Gittes RF, Abrams HL. Differentiation of malignant from benign adrenal masses: Predictive indices on computed tomography. *AJR* 1985; 144:61-65.
43. Seltzer SE, Weissman BN. CT findings in normal and dislocating shoulders. *J Can Assoc Radiol* 1985; 36:41-46.
44. Seltzer SE, Beard JO, Adams DF. Radiologist as consultant: Direct contact between referring clinician and radiologist before CT examinations. *AJR* 1985; 144:661-664.
45. Longmaid HE, Adams DF, Neirinckx R, Harrison C, Brunner PM, Seltzer SE, et al. In vivo ¹⁹F NMR imaging of liver, tumor and abscess in rats: preliminary results. *Invest Radiol* 1985; 20:141-145.
46. Seltzer SE, Hamilton C, VanDeripe D. Experimental evaluation of iosefamate meglumine and its derivatives as hepatobiliary CT contrast agents. *AJR* 1985; 145:67-72.
47. Seltzer SE, Weissman BN, Braunstein EM, Adams DF, Thomas WH. Computed tomography of the hindfoot with rheumatoid arthritis. *Arthritis Rheum* 1985; 28:1234-1242.
48. Kaye JA, Wang AM, Joachim CL, Seltzer SE, Cibas E, Skarin A, Antman K. Malignant mesothelioma with brain metastases. *Am J Med* 1986; 80:95-97.

49. Beldegrun A, Hussain S, Seltzer SE, Loughlin KR, Gittes RF, Richie JP. Incidentally discovered mass of the adrenal gland. *Surg Gynecol Obstet* 1986; 163:203-208.
50. Hussain S, Beldegrun A, Seltzer SE, Richie JP, Abrams HL. CT diagnosis of adrenal abnormalities in patients with primary non-adrenal malignancies. *Eur J Radiol* 1986; 6:127-131.
51. Longmaid HE, Seltzer SE, Costello P, Gordon P. Hepatomcellular carcinoma presenting as pulmonary extrahepatic mass on CT. *AJR* 1986; 146:1005-1009.
52. Seltzer SE, Jochelson M, Balikian JP. Organ envelopment in lymphoma visualized by computed tomography. *Clin Radiol* 1986; 37:525-529.
53. Neumann CH, Hussain S, Seltzer SE, Chiles C, Castellino RA. Computed tomography of the liver in newly diagnosed Hodgkin disease and non-Hodgkin lymphoma: Staging implications. *Tumor Diagnostic and Therapie* 1986; 7:1-4.
54. Zalutsky MR, Noska MA, Seltzer SE. Characterization of liposomes containing Iodine ¹²⁵labeled radiographic contrast agents. *Invest Radiol* 1987; 22:141-147.
55. Cheng KT, Seltzer SE, Adams DF, Blau M. The production and evaluation of contrast-carrying liposomes made with an automatic high-pressure system. *Invest Radiol* 1987; 22:47-55.
56. Seltzer SE. Analysis of the tethered bowel sign on abdominal CT as a predictor of malignant ascites. *Gastrointestinal Radiol* 1987; 12:245-249.
57. Seltzer SE, Want A-M. Modern imaging of the masseter muscle: Normal anatomy and pathosis on CT and MRI. *Oral Surg Oral Med Oral Pathol* 1987; 63:622-629.
58. Seltzer SE, Gregoriadis G, Dick R. Evaluation of the dehydration-rehydration method for production of contrast-carrying liposomes. *Invest Radiol* 1988; 23:455-462.
59. Seltzer SE, Swensson RG, Judy PF, Nawfel R. Size discrimination in computed tomographic images: Effects of feature contrast and display windows. *Invest Radiol* 1988; 23:455-462.
60. Tumeh SS, Aliabadi P, Seltzer SE, Weissman BN, McNeil BJ. Chronic osteomyelitis: the relative roles of scintigrams, plain radiographs and transmission computed tomography. *Clin Nucl Med* 1988; 13:710-715.

61. Adzamli IK, Seltzer SE, Slifkin M, Blau M, Adams DF. Production and characterization of improved liposomes containing radiographic contrast media. *Invest Radiol* 1990; 25:1217-1223.
62. White CW, Slifkin M, Seltzer S, Blau M, Adzamli IK, Adams DF. Biodistribution and clearance of contrast-carrying MREV liposomes. *Invest Radiol* 1990; 25:1125-1129.
63. Swets JA, Getty DJ, Pickett RM, D'Orsi CJ, Seltzer SE, McNeil BJ. Enhancing and evaluating diagnostic accuracy. *Med Decis Making* 1991; 11:9-18.
64. Seltzer SE, Swensson RG, Nawfel RD, Lentini JF, Kazda I, Judy PF. Visualization and detection-localization on computed tomography images. *Invest Radiol* 1991; 26:285-294.
65. Silverman SG, Coughlin BF, Seltzer SE, Swensson RG, Mueller PR. Current use of screening laboratory tests before abdominal interventions: A survey of 603 radiologists. *Radiology* 1991; 181:669-673.
66. Judy PF, Swensson RG, Nawfel RD, Chan KH, Seltzer SE. Contrast detail curves for liver CT. *Med Phys* 1992; 19:1167-1174.
67. Coughlin BF, Seltzer SE, Swensson RG, Judy PF. Practices and attitudes about cathode-ray tube based and film-based image interpretation. *J Digital Imaging* 1992; 5:50-53.
68. Seltzer SE, McNeil BJ, D'Orsi C, Getty DJ, Pickett RM, Swets JA. Combining evidence from multiple imaging modalities: a feature-analysis method. *Comput Med Imaging Graph* 1992; 16:373-380.
69. Seltzer SE, Gillis AE, Chiango BF, et al. Marketing CT and MR services in a large, urban teaching hospital. *Radiology* 1992; 183:529-534.
70. Seltzer SE, Sack D, Kudera ME, et al. Improved radiology film library operations. *Radiology* 1992; 184:805-811.
71. D'Orsi CJ, Getty DJ, Swets JA, Pickett RM, Seltzer SE, McNeil BJ. Reading and decision aids for improved accuracy and standardization of mammographic diagnosis. *Radiology* 1992; 184:619-622.
72. Silverman SG, Bloom DA, Seltzer SE, Tempany CMC, Adams DF. Needle-tip localization during CT-guided abdominal biopsy: Comparison of conventional and spiral CT. *AJR* 1992; 159:1095-1097.

73. Silverman SG, Mueller P, Pinkney LP, Koenker RM, Seltzer SE. Predictive value of image-guided adrenal biopsy. Analysis of results of 101 biopsies. *Radiology* 1993; 187:715-718.
74. Schwartz LH, Seltzer SE, Tempany CMC, et al. Prospective comparison of T2-weighted fast spin-echo, with and without fat suppression, and conventional spin-echo pulse sequences in the upper abdomen. *Radiology* 1993; 189:411-416.
75. Chernoff DM, Silverman SG, Kikinis R, Adams DF, Seltzer SE, Richie JP, Loughlin KR. Three-dimensional imaging and display of renal tumors using spiral CT: A potential aid to planning partial nephrectomy. *Urology* 1994; 43:125-129.
76. Polger M, Seltzer SE, Silverman SG. Spiral CT of the abdomen: Region coverage with a 24-second breath-hold. *Abdom Imaging* 1994; 19:213-216.
77. Silverman SG, Lee BY, Mueller PR, Cibas ES, Seltzer SE. Impact of positive image-guided biopsy of lymphoma on patient care: Evaluation of clinical history, needle size, and pathologic findings on biopsy performance. *Radiology* 1994; 190:759-764.
78. Seltzer SE, Kelly P, Adams DF, et al. Expediting the turnaround of reports; Use of total quality management to facilitate radiologists' report signing. *AJR* 1994; 162:775-781.
79. Hussain S, Santos-Ocampo RS, Silverman SG, Seltzer SE. Dual-angled CT-guided biopsy. *Abdom Imaging* 1994; 19:217-220.
80. Silverman SG, Lee BY, Seltzer SE, Bloom DA, Corless CL, Adams DF. Small (≤ 3 cm) renal masses: Correlation of spiral CT features and pathologic findings. *AJR* 1994; 163:597-605.
81. Khorasani R, Silverman SG, Meyer JE, Gibson A, Weissman BN, Seltzer SE. Design and implementation of a new radiology consultation service in a teaching hospital. *AJR* 1994; 163:457-459.
82. Seltzer SE, Judy PF, Swensson RG, Chan KH, Nawfel RD. Flattening of the contrast-detail curve for large lesions on liver CT images. *Med Phys* 1994; 21:1547-1555.
83. Polger M, Seltzer SE, Head BL, Savci G, Silverman SG, Adams DF. Spiral Computed Tomography of the liver: Contrast agent pharmacokinetics and the potential for improved hepatic enhancement. *Acad Radiol* 1995; 2:19-25.

84. Seltzer SE, Blau M, Herman LW, et al. Contrast material-carrying liposomes: biodistribution, clearance and imaging characteristics. *Radiology* 1995; 194:775-781.
85. Schwartz LH, Seltzer SE, Tempany CMC et al. Superparamagnetic iron oxide hepatic MR imaging: Efficacy and safety using conventional and fast spin-echo pulse sequences. *J Mag Res Imaging* 1995; 5:566-570.
86. Seltzer SE, Cavanaugh P, Judy PF, Swensson RG, Scarff L, Monsky W. Enhanced displays of medical images: Evaluation of the effectiveness of color, motion and contour for detecting and localizing liver lesions. *Acad Radiol* 1995; 2:748-755.
87. Seltzer SE, Judy PFI, Adams DF, Jacobson FL, et al. Spiral CT of the chest: Comparison of cine and film-based viewing. *Radiology* 1995; 197:73-78.
88. Ros PR, Freeny PC, Harms SE, Seltzer SE, et al. Hepatic MR imaging with ferumoxides: A multicenter clinical trial of the safety and efficacy in the detection of focal hepatic lesions. *Radiology* 1995; 196:481-488.
89. Silverman SG, Pearson GDN, Seltzer SE et al. Small (≤ 3 cm) hyperechoic renal masses: Comparison of helical and conventional CT for the diagnosing angiomyolipoma. *AJR* 1996; 167:877-881.
90. Seltzer SE, Holman BL, Thrall J, Bramson RT, Poller W. Academic radiology in a networked environment. *Acad Radiol* 1996; 3:865-872.
91. Tello R, Seltzer SE, Polger M, Spaulding S, Savci G. A contrast agent delivery nomogram for hepatic spiral CT with an anthropomorphic nomogram. *J Comput Assist Tomog* 1997; 21:236-245.
92. Seltzer SE, Getty DJ, Tempany CMC, Pickett RM, Schnall MD, McNeil BJ, Swets JA. Staging prostate cancer with MR: A combined radiologist-computer system. *Radiology* 1997; 202:219-226.
93. Seltzer SE, Kelly P, Adams DF, et al. Expediting the turnaround of radiology reports in a teaching hospital setting. *AJR* 1997; 168:889-893.
94. Wester C, Judy PF, Polger M, Swensson RG, Feldman U, Seltzer SE. Influence of visual distractors on detectability of liver nodules on contrast-enhanced spiral computed tomography scans. *Acad Radiol* 1997; 4:335-342.

95. Fielding, JR, Fox LA, Heller H, Seltzer SE, Tempany CM, Silverman SG, Steele G. Spiral CT in the evaluation of flank pain: overall accuracy and feature analysis. *J Comput Assist Tomog* 1997; 21:635-638.
96. Bramson RT, Chiango BF, Seltzer SE, Holman BL, Thrall JH. Achievement of substantial cost reduction through joint purchasing by the radiology departments of a large vertically integrated health care system. *Acad Radiol* 1997; 4:64-66.
97. Getty DJ, Seltzer SE, Tempany CMC, Pickett RM, Swets JA, McNeil BJ. Prostate cancer: Relative effects of demographic, clinical, histologic and MR imaging variables on the accuracy of staging. *Radiology* 1997; 204:471-479.
98. Seltzer SE, Judy PF, Feldman U, Scarff L, Jacobson FL. Influence of CT image size and format on accuracy of lung nodule detection. *Radiology* 1998;206:617-622.
99. Jolesz FA, Lorensen WE, Shinmoto H, Atsumi H, Nakajima S, Kavanaugh P, Saiviroonpern P, Seltzer SE, Silverman SG, Phillips M, Kikinis R. Interactive virtual endoscopy. *AJR* 1997; 169:1229-1235.
100. Swensson RG, Judy PF, Wester C, Seltzer SE. Image Perception: Nodule Polarity effects on detection and localization performance in liver CT images. *Proc SPIE* 1997; 3036:85-93.
101. Silverman SE, Deuson TE, Kane N, Adams DF, Seltzer SE, Phillips MD, Khorasani R, Zinner MJ, Holman BL. Percutaneous abdominal biopsy: Cost-identification analysis. *Radiology* 1998; 206:429-435.
102. Khorasani R, Goel PK, Ma'luf NM, Fox LA, Seltzer SE, Bates DW. Trends in the use of radiology with inpatients: What has changed in a decade? *AJR* 1998; 170:859-861.
103. Khorasani R, Lester JM, Davis SD, Hanlon WB, Fener EF, Seltzer SE, Adams DF, Holman BL. Computers in radiology: Web-based digital radiology teaching file: facilitating case input at time of interpretation. *AJR* 1998; 170:1165-1167.
104. Phillips MD, Silverman SG, Cibas ES, Seltzer SE. Negative predictive value of imaging-guided abdominal biopsy results: Cytologic classification and implications for patient management. *AJR* 1998; 171:693-696.
105. Seltzer SE, Saini S, Bramson RT, et al. Can academic radiology departments become more efficient and cost less? *Radiology* 1998; 209:405-410.

106. Swan SK, Baker JF, Free R, Tucker RM, Barron B, Barr R, Seltzer S. et al. Pharmacokinetics, safety, and tolerability of gadoversetamide injection in subjects with central nervous system or liver pathology and varying degrees of renal function. *JMRI* 1999; 9:317-21.
107. Jacobson FL, Judy PF, Feldman U, Seltzer SE. Perceived features reported as nodules: Interpretation of spiral chest CT scans. *Acad Radiol* 2000; 7:77-82.
108. Federle MP, Clayman JL, Rubin DL, Seltzer SE et al. The safety and efficacy of manafodipir trisodium (MnDPDP) injection for hepatic MRI in adults: Results of the US multicenter phase III clinical trials (Safety). *JMRI* 2000; 12:186-197.
109. Saini S, Seltzer SE, Bramson RT, et al. Technical cost of radiologic examinations: Analysis across imaging modalities. *Radiology* 2000; 216:269-272.
110. Seltzer SE, Kelly P, Deibel GM, Ros PR. Radiology quality and performance metrics on the web. A management information and communications tool. *Acad Radiol* 2000; 7:981-985.
111. Fielding JR, Feiock D; Zou K, Poulos A, Bernazzani J, Chiango B, Seltzer, SE. A detailed audit of reimbursement for abdominal CT in an academic practice. *Acad Radiol* 2001; 8:520-523.
112. Seltzer SE, Getty DJ, Pickett RM, Swets JA, Sica G, Brown J, Saini S, et al. Multimodality diagnosis of liver tumors: Feature analysis with CT, liver-specific and contrast-enhanced MR, and a computer model. *Acad Radiol* 2002; 9:256-269.
113. Seltzer SE, Sullivan DC, Hillman BJ, Staab EV. Factors affecting patient enrollment in radiology clinical trials: A case study of the American College of Radiology Imaging Network. *Acad Radiol* 2002; 9:862-869.
114. Khorasani R, Cheng D, Bates DW, Lippert J, Eslami M, Seltzer SE, Brooks DC, Doubilet PM: Has the use of appendiceal ultrasonography been effective in reducing the negative appendectomy rate? *JCOM* 2003;10:1:19-23.
115. Khorasani R, Bates DW, Teeger S, Rothschild JM, Adams DF, Seltzer SE: Is Terminology Used Effectively to Convey Diagnostic Certainty in Radiology Reports? *Acad Radiol* 2003; 10:685-688.

116. Bhagwat JG, Ondategui-Parra S, Zou KH, Gogate A, Intriere LA, Kelly P, Seltzer SE, Ros PR. Motivation and Compensation in Academic Radiology. *J Am Coll Radiol* 2004; 1:493-496.
117. Ondategui-Parra S, Bhagwat JG, Gill IE, Nathanson E, Seltzer SE, Ros PR: Essential Practice Performance Measurement. *J Am Coll Radiol* 2004; 1:8:559-566, August 2004.
118. Seltzer SE, Menard A, Cruea R, Arenson R. Hypersensitivity of academic industrial relationships. *J American College of Radiology* 2010; 7: 909-910.
119. Andriole KP, Prevedello LM, Dufault A, Pezeshk P, Bransfield R, Hanson R, Doubilet PM, Seltzer SE, Khorasani R. Augmenting the impact of technology adoption with financial incentive to improve radiology report signature times. *J American College of Radiology* 2010; 7: 198-201.
120. Anthony SE, Prevedello LM, Damiano MM, Gandhi TK, Doubilet PM, Seltzer SE, Khorasani R. Impact of a 4 year quality improvement initiative to improve communication of critical imaging test results. *Radiology* 2011; 259: 802-807.
121. Andriole KP, Wolfe JM, Khorasani R, Treves ST, Getty DJ, Jacobson FL, Steigner ML, Pan JJ, Sitek A, Seltzer SE. Optimizing analysis, visualization and navigation of large image data sets - OR - one 5,000 slice CT can ruin your whole day! *Radiology* 2011; 259: 346-362.
122. Ip IK, Scheider LI, Hanson R, Marchello D, Hultman P, Viera M, Chiango B, Andriole KP, Menard A, Schade S, Seltzer SE, Khorasani R. Adoption and meaningful use of computerized physician order entry with an integrated clinical decision support system for radiology: Ten-year analysis in an urban teaching hospital. *J American College of Radiology* 2012; 9: 129-136.
123. Hendee WC, McNitt Gray M, Boone J, Seltzer SE. Radiation exposure: how to close our knowledge gaps, monitor and safeguard exposure-proceedings and recommendations of the Radiation Dose Summit, sponsored by NIBIB. *Radiology* 2012; 265: 544-554.
124. Ip IK, Schneider LI, Seltzer SE, Smith A, Dudley JC, Menard A, Khorasani R. Impact of provider-led, technology-enabled radiology management program for imaging. *American Journal of Medicine* 2014; 127: 512–518.e1.
125. Drew T, Vo M L-H, Olwol A, Jacobson F, Seltzer SE, Wolfe J. Scanners and drillers: characterizing expert visual search through volumetric images. *J of Vision* 2013; 13: 1-13.

126. Ip IK, Gershanik EF, Schneider LI, Raja AS, Mar W, Seltzer SE, Healey MJ, Khorasani R. Impact of IT-enabled intervention on MRI use for back pain. *Am J Med* in press 2014.
127. Shinagare AB, Ip IK, Abbett SK, Hanson R, Seltzer SE, Khorasani R. Inpatient imaging utilization trends of the past decade. *AJR* 2014;202:W277-283.
128. Khorasani R, Hentel K, Darer J, Langlotz C, Ip IK, Manaker S, Cardella J, Min R, Seltzer SE. Ten commandments for effective clinical decision support for imaging: enabling evidence-based practice to improve quality and reduce waste. *AJR* 2014; 203:945-951.
129. Ip IK, Raja AS, Seltzer SE, Gawande A, Joynt JE, Khorasani R. Using public data to target variation in providers use of computed tomography and magnetic resonance imaging among Medicare beneficiaries. *Radiology*, in press, 2015.

Special Reports:

1. Seltzer SE, Brogdon G. Association of University Radiologists: The 50th Anniversary. *Acad Radiol* 2002;9:567-569.
2. Carson PL, Giger M, Welch MJ, Halpern H; Kurdziel K; Vannier M. Evelhoch JL, Gazelle GS, Seltzer SE, Judy P, Hendee WR, Bourland JD. Biomedical Imaging Research Opportunities Workshop: Report and Recommendation. *Radiology* 2003; 229:328-339.

Letters to the Editor:

1. Seltzer SE. How to obtain tax-exempt status for a medical educational organization. JAMA 1982; 247:1277.
2. Seltzer SE. Radiopaque liposomes for imaging of the spleen and liver. Radiology 1983; 149:877.
3. Styles RA, Seltzer SE. CT staging of prostate cancer. Radiology 1985; 157:838.
4. Tello R, Seltzer S. Effects of injection rates on contrast material on arterial phase hepatic CT. AJR 1999; 173:237-238.
5. Seltzer SE, Bradley W, Meltzer C, Menard A, Cruea R. Re: Radiation Safety: Have we let the public down? JACR 2010; 7: 909-910

Proceedings of Meetings:

1. Carrino JA, Khorasani R, Hanlon WB, Seltzer SE. Modality interfacing: The impact of a relay station. *J Digital Imaging* 2000; 13 (Suppl 1):88-92.
2. Gazelle, GS, Seltzer SE, Judy PF. Assessment and Validation of Imaging Methods and Technologies. *Acad Radiol* 2003; 10:894-896.

Reviews and Chapters:

1. Seltzer SE, Herman PG. Drug-induced pulmonary reactions associated with abnormal chest radiograph. *JCE Radiology* 1979; 1:25-42.
2. Seltzer SE, Herman PG. Pulmonary hemorrhage and renal disease. *JCE Radiology* 1979; 1:11-27.
3. Seltzer SE, Jones B, McLaughlin GC. Proper choice of contrast agents in emergency gastrointestinal radiology. *CRC Crit Rev Diag Imaging* 1979; 12:79-99.
4. Seltzer SE, Jones B. Imaging the hepatobiliary system in acute disease. *AJR* 1980; 135:407-416.
5. Seltzer SE, Herman PG. Pulmonary abnormalities associated with the administration of drugs. In: Putnam CE, ed. *Diagnostic Imaging in Pulmonary Disease*. New York: Appleton-Century Crofts, 1981; 185-202.
6. Seltzer SE, Herman PG, Goldstein J. Pulmonary reactions associated with cancer chemotherapy. *Brigham and Women's Hospital Pharmacy and Therapeutics Review*, Vol. 4, No. 10, March 1981.
7. Seltzer SE, Weissman BN, Finberg HJ, Markisz JA. Improved diagnostic imaging in joint diseases. *Sem Arthritic Rheumatism* 1982; 11:315-330.
8. Seltzer SE, Goldstein J, Herman PG. Iatrogenic thoracic complications induced by drugs. In: Herman PG, ed. *Iatrogenic thoracic Complications*. New York: Springer-Verlag, 1983; 1-26.
9. Huber DJ, Seltzer SE. Computed tomography of the urinary tract. *Postgrad Radiol* 1983; 3:162-195.
10. DeWeese JA, Seltzer SE, Mattox KL, Buckley MJ. Symposium: Traumatic thoracic aortic rupture. *Contemp Surg* 1984; 24:109-132.
11. Seltzer SE, Huber DJ, Abrams HL. Computed tomography of the kidney. In: Gittes RF, Ed. *Campbell's Urology*. Philadelphia: W.B. Saunders 1985; 400-429.
12. Seltzer SE. Guest editor's forward: Historical perspective on the lymphomas. *Sem Ultrasound CT MR* 1985; 6:349-351.
13. Seltzer SE. Complications of pancreatitis. In: McNeil BJ, Abrams HL, eds. *Brigham and Women's Hospital Handbook of Diagnostic Imaging*, Boston: Little Brown 1986; 54-59.

14. Doubilet PM, Seltzer SE. Evaluation of renal mass. In: McNeil BJ, Abrams HL, Ed. Brigham and Women's Hospital Handbook of Diagnostic Imaging, Boston: Little Brown 1986; 48-53.
15. Styles R, Seltzer SE. Staging of prostate cancer. In: McNeil BJ, Abrams HL, Ed. Brigham and Women's Hospital Handbook of Diagnostic Imaging, Boston: Little Brown 1986; 283-287.
16. Cheng KH, Seltzer SE. Liposome-encapsulated contrast agents in diagnostic imaging. In: Parvez Z, Moncada R, Sovak M, eds. Contrast Media: Biologic effects and clinical applications. Boca Raton: CRC Press 1987; v.3:73-87.
17. Seltzer SE, Judy PF. Gaining insight: Improved images enhance understanding. Radiographics 1987; 7:1221-1240.
18. Seltzer SE. Liposomes in diagnostic imaging. In: Gregoriadis G, ed. Liposomes as Drug Carriers. Chichester: John Wiley and Sons, 1988: 509-525.
19. Seltzer SE, Holman BL. Imaging hepatic metastases from colorectal carcinoma: Identification of candidates for partial hepatectomy. AJR 1989; 152:917-923.
20. Seltzer SE. Contrast-carrying liposomes: Current status. Invest Radiol 1988; 23(Suppl 1):122-125.
21. Silverman SG, Bloom DA, Seltzer SE. The radiological evaluation of renal masses: Approach, analysis and new technologies. AUA Update Series 1994; 13:1-8.
22. Tumei S, Seltzer SE, Wang A-M. Computed Tomography in Vascular Disorders. In: Loscalzo J, Creager M, Dzau V. Vascular Medicine: A textbook of vascular biology and disorders. Boston: Little Brown, 1992 (rev. 1996).

Editorials:

1. Seltzer SE, Davis MA, Shulkin PM. Radiopaque liposomes for imaging of the spleen and liver. *Radiology* 1984; 149:877.
2. Seltzer SE. The role of liposomes in diagnostic imaging. *Radiology* 1989; 171:19-21.
3. Seltzer SE. Administration and management. *Invest Radiol* 1993; 28:287-288.
4. Fajardo LL, Seltzer SE. Academic radiology in the new millenium. *Acad Radiology* 2000; 7:1-2.

Perspectives:

1. Jolesz FA, Lorensen WE, Shinmoto H, Atsumi H, Naka J, Ma S, Kavanagh P, Saiviroonporn P, Seltzer SE, Silverman SG, Kikinis R. Interactive virtual endoscopy. *AJR* 1997; 169: 1229-1235.

Viewpoints:

1. Seltzer SE, Lee TH. Out of the shadows: the transformation of diagnostic radiology in the ACO era. *JAMA* 2014; 312:227-228.

Commentaries:

1. Holman BL, Seltzer SE. 'Critical Paths' add value to practice guidelines. *Diagnostic Imaging* 1994; 16:63-65.
2. Seltzer SE. AJR Questions and Answers. Are there clear indications for using helical, as proposed to standard, CT? *AJR* 1995; 164:1548-1549.
3. Fajardo LL, Seltzer SE, Dunnick NR. Academic radiology: The real good news. *Acad Radiol* 2001; 8:512-513.

Perspectives:

1. Jolesz FA, Lorensen WE, Shinmoto H, Atsum H, Nakaijma S, Kavanagh P, Saiviroonporn P, Seltzer SE, Silverman SG, Kikinis R. Interactive virtual endoscopy. *AJR* 1997; 169: 1229-1235
2. Menard A, Seltzer SE, Khorasani R. Do we expect too much from our IT vendors? What can we do about it? *JACR* 2010; 7: 980-982

Abstracts:

More than 75 published abstracts and extended abstracts.

Invited or National Meeting Presentations:

More than 100 invited or National or International Meeting Presentations.

Revised 2-25-15

Exhibits:

More than 10 Scientific Exhibits.