

CURRICULUM VITAE**JANINE RUTH SHAPIRO, M. D.**

Professional
Address and
Telephone: Department of Anesthesiology, Box 604
University of Rochester Medical Center
Rochester, New York 14642
(585) 275-2141

Home
Address and
Telephone: 25 Southern Parkway
Rochester, New York
(585) 473-3860

EDUCATION

1974 - 1976 College Saint-Laurent
Montreal, Quebec, Canada
D.E.C. in Health Sciences, 1976

1976 - 1981 University of Montreal Medical School
Montreal, Quebec, Canada
M.D., 1981

POSTDOCTORAL TRAINING

1981 - 1983 Resident in Internal Medicine
Rochester General Hospital, Rochester, NY

1983 - 1985 Resident in Anesthesiology
University of Rochester Medical Center
Strong Memorial Hospital, Rochester, NY

1985 - 1986 Resident in Anesthesiology
Specialized Year in Cardiovascular Anesthesia
University of Rochester Medical Center
Strong Memorial Hospital, Rochester, NY

1987 - 1988 Research Fellow in Anesthesiology and Cardiology (Echocardiography)
University of Rochester Medical Center
Strong Memorial Hospital, Rochester, NY

1987 Applied statistics for Bio-Physical Sciences
University of Rochester, Rochester, NY

LICENSES AND BOARD CERTIFICATIONS

1983 Licentiate, The Medical Council of Canada, No. 55288
1986 Quebec Medical License, No. 86-448
1987 Diplomate, American Board of Anesthesiology, No. 14786
1988 New York State Medical License, No. 17-44-67

OTHER CERTIFICATIONS

1999 Basic Life Support Healthcare Provider
1999 Advanced Cardiac Life Support Provider
Recertification: September 2005
2003 Testamur, Special Competence in Perioperative Transesophageal Echocardiography
National Board of Echocardiography
2004 Certification in Patient Safety: Building a Safer Health System
University of Rochester School of Medicine and Dentistry
2005 Advanced Cardiac Life Support Instructor

AWARDS & HONORS

1981 Upjohn Achievement Award
University of Montreal Medical School
2007 - 2009 William S. McCann Dean's Teaching Fellow
University of Rochester School of Medicine and Dentistry

ACADEMIC APPOINTMENTS

1986 - 1988 Instructor and Fellow in Anesthesiology
University of Rochester Medical Center

1988 - 1994 Assistant Professor of Anesthesiology
University of Rochester Medical Center

1994 - Present Associate Professor of Anesthesiology
University of Rochester Medical Center

HOSPITAL APPOINTMENTS

1988 - Present Attending Anesthesiologist
Strong Memorial Hospital, Rochester, NY

1990 - Present Attending Anesthesiologist
Lattimore Community Surgicenter, Rochester, NY

1998 - Present Highland Hospital, Rochester, NY

DEPARTMENTAL APPOINTMENTS

1988 - Present Faculty Member, Division of Cardiac Anesthesia
Department of Anesthesiology

2000 - 2009 Faculty Member, Division of Pediatric Cardiac Anesthesia
Department of Anesthesiology

DEPARTMENTAL ADMINISTRATIVE APPOINTMENTS

1988 - 1989 Member, Technical Assessment Committee

1988 - 1993 Member, Education Policy Committee

1989 - 1990 Co-chair, Education Policy Committee

1989 - 1996 Co-Director, Intraoperative Transesophageal Echocardiography Service

1989 - Present Coordinator, Mock Oral Examination Program

1991 - 1995 Member, Quality Improvement Committee

1993 - Present Member, Clinical Competence Committee

2004 - Present	Coordinator, Malpractice Premium Reduction Program
2006 - 2007	Chair, Anesthesia Education Research Group
2006 - 2009	Member, Patient Safety Committee Chair, 2006 - 2008
2006 - Present	Member, Resident Education Committee
2008 – 2009 Committee	Chair, Faculty Development and Promotions Strategic Planning
2009 – Present	Director of Faculty Development
2009 – Present	Member, Promotions Committee

UNIVERSITY AND HOSPITAL ADMINISTRATIVE APPOINTMENTS

1989 - 1992	Alternate Representative, Medical Faculty Council University of Rochester Medical Center
1994 - 2004	Course Director, Medical Student Elective ANS610 "Hemodynamic Monitoring" University of Rochester School of Medicine and Dentistry
1998 - Present	Member, Patient Safety & Risk Management Committee Strong Memorial Hospital
2004 - 2006	Alternate Member, Credentials and Privilege Review Committee Strong Memorial Hospital
2006 - 2007	Member, Credentials and Privilege Review Committee Strong Memorial Hospital
2007	Faculty Representative, Liaison Committee on Medical Education Survey Visit University of Rochester School of Medicine and Dentistry
2008 – Present	Perioperative Executive Patient Safety Committee Strong Memorial Hospital

REGIONAL AND NATIONAL PROFESSIONAL APPOINTMENTS

- 1993 - 1998 Alternate Delegate, District VI
The New York State Society of Anesthesiologists
- 1996 Question writer for written examination for
Certification for Perioperative Transesophageal Echocardiography
Society of Cardiovascular Anesthesiologists
- 1996 - 1998 Member, Committee on Continuing Education and Remediation
The New York State Society of Anesthesiologists
- 1996 - 1999 Assistant Editor, SPHERE
The New York State Society of Anesthesiologists
- 1998 - 2000 Member, Post-Graduate Assembly in Anesthesiology (PGA)
Sub-Committee on Workshops
The New York State Society of Anesthesiologists
- 1998 - 2003 Delegate, District VI
The New York State Society of Anesthesiologists
- 1998 - 2007 Member, PGA Sub-Committee on Scientific Exhibits and Poster
Presentations
The New York State Society of Anesthesiologists
- 1998 - Present Member, PGA Sub-Committee on Mini-Workshops
The New York State Society of Anesthesiologists
- 1999 - Present Secretary/Treasurer District VI
The New York State Society of Anesthesiologists
- 2006 – 2009 Member, Committee on Continuous Quality Improvement and
Peer Review
The New York State Society of Anesthesiologists
- 2007 - Present
Remediation Member, Committee on Continuing Medical Education and
The New York State Society of Anesthesiologists
- 2007 - Present Member, Faculty Development Committee
Society for Education in Anesthesia
- 2009 External Reviewer, 2009 Research in Medical Education Conference
Association of American Medical Colleges

PROFESSIONAL ORGANIZATIONS

American Society of Anesthesiologists
American Society of Echocardiography
Congenital Cardiac Anesthesia Society
International Anesthesia Research Society
New York State Society of Anesthesiologists
Rochester Center for Biomedical Ultrasound
Society for Education in Anesthesia
Society for Pediatric Anesthesia
Society of Cardiovascular Anesthesiologists

MENTOR/ RESEARCH ADVISOR

Geneva E. Lewis
NIH Summer Research Fellow, July-August, 1988

Carolyn C. Calalang, M.D.
Research Fellow in Anesthesiology, 1990-1991

Rishi M. Adsumelli, M.D.
Fellow in Cardiac Anesthesia, 1995-96

Iris M. Hudson, D.O.
Fellow in Cardiac Anesthesia, 1996-97

Catherine M. Oberholzer, M.D.
Resident in Anesthesiology, 2006- 2008

Dangkhua Phamdo, M.D.
Resident in Anesthesiology, 2008

Camberly Spring, M.D.
Resident in Anesthesiology
Senior Presentation, June 2008

GRANTS

1. Shapiro JR, Meltzer RS. Efficacy and Safety of Intracoronary Echo Contrast Media in a Canine Model. Schering Corporation, Berlin, West Germany. Funded June, 1988.
2. Shapiro JR, Gayeski TEJ, Hicks GL, King K, Woolf PD. Intrathecal Morphine: Effects on Postoperative Pain and Respiratory Function in Patients Undergoing Coronary Artery

Bypass Grafting. Innovations in Patient Care Applied Research Program, Strong Memorial Hospital, Rochester, N.Y. Funded July, 1988.

3. Shapiro JR, Meltzer RS, Wang T. Myocardial Contrast Echocardiography: Characteristics, Hemodynamic Effects and Efficacy of a New Transpulmonary Contrast Agent by Acusphere in Dogs. Acusphere inc., Cambridge, MA. Funded July 1995.
4. Shapiro JR, Meltzer RS, Wang T. Myocardial Contrast Echocardiography: Characteristics, Safety and Efficacy of a New Transpulmonary Contrast Agent (BY963) in Dogs. Bracco-Byk Gulden GmbH, Konstanz, Germany. Funded September 1995.
5. Shapiro JR. Mock Oral examinations as a Tool to Evaluate the ACGME Core Competencies. Deans Teaching Fellowship Program, University of Rochester School of Medicine and Dentistry. Funded September 2007 – August 2009

PUBLICATIONS

JOURNAL ARTICLES

1. Shapiro JR, Xie F, Meltzer RS. Myocardial Contrast Two-Dimensional Echocardiography: Dose-Myocardial Effect Relations of Intracoronary Microbubbles. J Am Coll Cardiol 1988;12:765-71.
2. Reisner SA, Shapiro JR, Schwarz KQ, Meltzer RS. Sonication of Echo-Contrast Agents: A Standardized and Reproducible Method. J Cardiovasc Ultrasonography 1988;7:273-276.
3. Allen MN, Reisner SA, Shapiro JR, Meltzer RS. Echocardiography in Valvular Heart Disease. Applied Radiology 1989;18:10-16.
4. Reisner SA, Ong LS, Lichtenberg GS, Shapiro JR, Amico AF, Allen MN, Meltzer RS. Quantitative Assessment of the Immediate Results of Coronary Angioplasty by Myocardial Contrast Echocardiography. J Am Coll Cardiol 1989;13:852-856.
5. Reisner SA, Shapiro JR, Meltzer RS. Contrast Echo: Recent Progress and Applications. Cardio 1989;9:101-109.
6. Xie F, Shapiro JR, Meltzer RS. Myocardial Contrast Two-Dimensional Echocardiography: Dose-Effect Relationships of Intracoronary Microbubbles (Chinese language). Chinese J Ultrasound in Med 1989;5:197-200.

7. Reisner SA, Ong LS, Lichtenberg GS, Amico AF, Shapiro JR, Allen MN, Meltzer RS. Myocardial Perfusion Imaging by Contrast Echocardiography With Use of Intracoronary Sonicated Albumin in Humans. *J Am Coll Cardiol* 1989;14:660-5.
8. Reisner SA, Lichtenberg GS, Shapiro JR, Schwarz KQ, Meltzer RS. Exercise Doppler Echocardiography in Patients with Mitral Prosthetic Valves. *Am Heart J* 1989;118:755-759.
9. Shapiro JR, Reisner SA, Amico AF, Kelly PF, Meltzer RS. Reproducibility of Myocardial Contrast Echocardiography. *J Am Coll Cardiol* 1990;15:602-9.
10. Culver DL, Cacchione J, Stern D, Shapiro JR, Reisner SA. Diagnosis of Infective Endocarditis on a Starr-Edwards Prosthesis by Transesophageal Echocardiography. *Am Heart J* 1990;119:972-3.
11. Shapiro JR, Reisner SA, Lichtenberg GS, Meltzer RS. Intravenous Contrast Echocardiography with Use of Sonicated Albumin in Humans: Systolic Disappearance of Left Ventricular Contrast after Transpulmonary Transmission. *J Am Coll Cardiol* 1990;16:1603-7.
12. Del Gaudio W, Shapiro JR, Hicks GL, Garneau DE. Preoperative Subarachnoid Injection of Morphine for Pain Relief in Patients Undergoing Open Heart Surgery. *J Univ Rochester Med Ctr* 1991;3:8-10.
13. Reisner SA, Shapiro JR, Ong LS, Lichtenberg GS, Amico AF, Meltzer RS. Immediate Improvement of Segmental Left Ventricular Function Following Coronary Angioplasty. *J Cardiovasc Tech* 1991;10:11-19.
14. Shah PM, Shapiro J. Intraoperative Transesophageal Echocardiography: An Anesthesiologist's Perspective. *Acta Anesth Scand* 1991;35:683-692.
15. Reisner SA, Gottlieb S, Ernst A, Shapiro JR, Beyar R, Markiewicz W, Meltzer RS. Myocardial Contrast Echocardiography: Influence of Ischemia and Hyperaemia in an animal model. *Eur Heart J* 1992;13:383-388.
16. Shapiro JR, Shah PM, Meltzer RS. Intraoperative Monitoring of Patients with Ischemic Heart Disease by Transesophageal Echocardiography. *J Cardiovasc Tech* 1993;11:61-67.
17. Halmann M, Beyar R, Rinkewich D, Shapiro JR, Sideman S, Markiewicz W, Meltzer RS, Reisner SA. Digital Subtraction Myocardial Contrast Echocardiography: Design and Application of a New Analysis Program for Myocardial Perfusion Imaging *J Am Soc Echo* 1994;7:355-362.

18. Szalados JE, Ouriel K, Shapiro JR. Use of the Activated Clotting Time and Heparin Dose-Response Curve for the Determination of Protamine Dosage in Vascular Surgery. *J Thor and Cardiovasc Anesth* 1994;8:515-518.
19. Shammass NW, Murphy GW, Risher WH, Shapiro JR, Latouf SE, Pomerantz RM. Giant Right Coronary Artery Aneurysm with Fistulous Connection to the Coronary Sinus: Diagnosis and Management. *Clin Cardiol* 1996;19:74-76.
20. Meltzer RS, Adsumelli R, Risher WH, Hicks GL, Stern DH, Shah PM, Wojtczak JA, Lustik SJ, Gayeski TE, Shapiro JR, Carstensen EL. Lack of Lung Hemorrhage in Humans After Intraoperative Transesophageal Echocardiography with Ultrasound Exposure Conditions Similar to Those Causing Lung Hemorrhage in Laboratory Animals. *J Am Soc Echo* 1998;11:57-60.
21. Adsumelli RSN, Shapiro JR, Shah PM, Martella AT, Afifi AY, Risher WB, Hicks GL. Hemodynamic Effects of Chest Closure in Adult Patients Undergoing Cardiac Surgery. *J Thor and Cardiovasc Anesth* 2001;15:589-592.
22. Ellen D. Iannoli, Michael P. Eaton, Janine R. Shapiro. Bidirectional Glenn Shunt Surgery Using Lepirudin Anticoagulation in an Infant with Heparin-Induced Thrombocytopenia with Thrombosis. *Anesth Analg* 2005;101:74-6.

LETTERS TO THE EDITOR, EDITORIALS

1. Shapiro JR, Reisner SA, Lichtenberg GS, Meltzer RS. A Simple Device to Improve the Echocardiographic Examination (letter). *J Diagn Med Sonog* 1988;4:211-212.
2. Shapiro JR, Reisner SA, Meltzer RS. Prospects for Transpulmonary Contrast Echocardiography (Editorial). *J Am Coll Cardiol* 1989;13:1629-30.

BOOK CHAPTERS

1. Berkowitz ID, Shapiro JR. Abdominal Pain. In: Ziai M (editor), *Bedside Pediatrics: Diagnostic Evaluation of the Child*. Boston: Little, Brown and Co., 1983.
2. Reisner SA, Shapiro JR, Amico AF, Meltzer RS. Contrast Agents for Myocardial Perfusion Studies: Mechanisms, State of the Art, and Future Prospects. In: Meerbaum S and Meltzer RS (editors), Myocardial Contrast Two-Dimensional Echocardiography. Dordrecht: Kluwer Academic Publishers 1989:45-59.
3. Reisner S, Shapiro JR, Meltzer RS. Side Effects and Potential Toxicity of Myocardial Contrast Echocardiography. In: Meerbaum S and Meltzer RS (editors), Myocardial

Contrast Two-Dimensional Echocardiography. Dordrecht: Kluwer Academic Publishers 1989:85-96.

4. Shapiro JR, Reisner SA, Meltzer RS. Clinical Applications of Myocardial Contrast Echocardiography. In: Meerbaum S and Meltzer RS (editors), Myocardial Contrast Two-Dimensional Echocardiography. Dordrecht: Kluwer Academic Publishers 1989:191-201.

5. Reisner SA, Ong LS, Lichtenberg GS, Shapiro JR, Amico AF, Allen MN, Meltzer RS. Myocardial Contrast Echocardiography after Coronary Angioplasty. In: Dagianti A. and Feigenbaum H. (editors), Echocardiography 1990. Proceedings of the 7th International Congress on Echocardiography, held in Rome, on 5-7 April 1990. Elsevier Science Publishers B.V. 1990:269-274.

6. Meltzer RS, Amico AF, Reisner SA, Shapiro JR. Contrast Agents for Myocardial Perfusion Studies: Mechanisms, State of the Art, and Future Prospects. In: Iliceto S, Rizzon P, Roelandt J (editors), Ultrasound in Coronary Artery Disease: Present Role and Future Perspectives. Dordrecht: Kluwer Academic Publishers 1991:351-365.

7. Shapiro JR, Reisner SA, Meltzer RS. Clinical Uses of Contrast Agents - Practical Considerations. In: Nanda NC & Schlieff R (editors), Advances in Echo Imaging Using Contrast Enhancement. Dordrecht: Kluwer Academic Publishers 1993:135-145.

8. Meltzer RS, Reisner SA, Ong LS, Shapiro JR, Amico AF, Allen MN. Myocardial Perfusion Imaging in the Catherization Laboratory Using Contrast Echocardiography: Rest, Angioplasty, and Papaverine Studies. In: Caturelli G (editor), Cura Intensiva Cardiologica 1993 (Proceedings of the 5th International Symposium on Cardiologic Intensive Care, Venice, May 1993). Rome:MGA, 1993:259-69.

9. Shapiro JR, Meltzer RS. Clinical Uses of Contrast Agents: Technical (Practical) Considerations. In: Nanda NC, Goldberg BB, Schlieff R (editors), Advances in Echo Imaging Using Contrast Enhancement (2nd edition). Dordrecht: Kluwer Academic Publishers 1997:217-25.

10. Shapiro JR. Intraoperative applications of contrast echocardiography. In: Nanda NC, Goldberg BB, Schlieff R (editors), Advances in Echo Imaging Using Contrast Enhancement (2nd edition). Dordrecht: Kluwer Academic Publishers 1997:427-32.

ABSTRACTS

1. Xie F, Shapiro J, Meltzer R. Toxicity of Intracoronary Microbubbles in Contrast Echo. Circulation 1987;76 (suppl. IV): IV-505.

2. Reisner SA, Ong LS, Shapiro JR, Lichtenberg GS, Amico AF, Allen MN, Meltzer RS. Efficacy and Safety of Myocardial Perfusion Imaging Using Intracoronary Sonicated Albumin in Humans. *Circulation* 1988; 78 (suppl. II): II-565.
3. Reisner SA, Ong LS, Lichtenberg GS, Shapiro JR, Amico AF, Allen MN, Meltzer RS. Myocardial Contrast Echocardiography to Assess Results of Coronary Angioplasty. *Circulation* 1988; 78 (suppl. II): II-566.
4. Lewis GE, Hessney JH, Shapiro JR. Complications of Intrahospital Transport After Open-Heart Surgery. The New York State Society of Anesthesiologists, 42nd Postgraduate Assembly, December 1988.
5. Reisner SA, Shapiro JR, Amico AF, Meltzer RS. Myocardial Contrast Echo Washout: The Influence of Ischemia and Hyperemia. *J Am Coll Cardiol* 1989;13:115A.
6. Reisner SA, Shapiro JR, Amico AF, Meltzer RS. Reproducibility of Washout Curves Derived From Myocardial Contrast Echo. *J Am Coll Cardio* 1989;13:115A.
7. Meltzer R, Reisner S, Ong L, Shapiro J, Lichtenberg G, Allen M. Myocardial Perfusion Imaging Using Intracoronary Sonicated Albumin in Humans. Proc. 8th Internat'l. Symposium on Echocardiology, Rotterdam, Holland, June 1989:99.
8. Shapiro JR, Reisner SA, Lichtenberg GS, Meltzer RS. Systolic Loss of Left Ventricular Intensity after Intravenous Contrast Echo in Humans. *Circulation* 1989; 80 (suppl. II): II-370.
9. Reisner SA, Ong LS, Fitzpatrick PG, Lichtenberg GS, Gottlieb S, Ernst A, Allen MN, Shapiro JR, Meltzer RS. Evaluation of Coronary Blood Flow Reserve by Quantitative Myocardial Contrast Echo. *Circulation* 1989; 80 (suppl. II): II-370.
10. Shapiro JR, Stewart S, Hicks GL, Reisner SA, Culver DL, Meltzer RS. Assessment of the Anatomic Cause of Mitral Valve Dysfunction by Transthoracic and Intraoperative Epicardial Echocardiography. *Circulation* 1989; 80 (suppl. II): II-425.
11. Amico AF, Reisner SA, Shapiro JR, Meltzer RS, Iliceto S, Rizzon P. Metodi per la Preparazione di un Sicuro ed Efficace Agente di Contrasto Ecocardiografico Utilizzando Albumina Umana Sonicata. (Italian language. English translation: Method for the preparation of a safe and effective contrast echocardiographic agent utilizing sonicated human albumin). *Cardiologia* 1989;34 (Suppl. 2):19.
12. Meltzer RS, Amico AF, Shapiro JR, Reisner SA, Iliceto S, Rizzon P. Parametri Quantitativi Nell'Ecocontrastografia Miocardica Perfusione: Sono Riproducibili?. (Italian language. English translation: Quantitative parameters from myocardial perfusion contrast echocardiography: are they reproducible?). *Cardiologia* 1989;34 (Suppl. 2): 32.

13. Shapiro JR, Reisner SA, Amico AF, Croy JF, Meltzer RS. Cardiovascular Effects of Nonionic Contrast Media: Advantages Over a Standard Contrast Agent as Analyzed by Hemodynamics and Echocardiography. *J Ultrasound in Med* 1990;9:S37.
14. Reisner S, Shapiro J, Ong L, Lichtenberg G, Amico A, Meltzer R. Immediate Improvement of Segmental Left Ventricular Function Following Coronary Angioplasty. *Israel J Med Sci* 1990; 26: 231.
15. Reisner S, Ong L, Lichtenberg G, Gottlieb S, Shapiro J, Meltzer R. Quantitative Myocardial Contrast Echocardiography for the Evaluation of Coronary Flow Reserve in Humans. *Israel J Med Sci* 1990; 26: 232.
16. Shapiro JR, Reisner SA, Lichtenberg GS, Meltzer RS. Transpulmonary left ventricular contrast echocardiography using sonicated albumin in humans. *J Cardiovasc Tech* 1990;9(4):405
17. Calalang CC, Shapiro JR, Schwarz KQ, Queeno TJ, Shah PM, Hicks GL, Meltzer RS. Microembolization During Cardiopulmonary Bypass: Assessment by Transesophageal Echocardiography. *J Am Soc Echo* 1991;4:293.
18. Shapiro JR, Reisner SA, Amico AF, Meltzer RS. Myocardial Perfusion Imaging Using Contrast Echocardiography: Safety and Efficacy of Contrast Agents. XIIIth Congress of the European Society of Cardiology, Amsterdam-The Netherlands, August, 1991.
19. Calalang CC, Shapiro JR, Schwarz KQ, Queeno TJ, Shah PM, Hicks GL, Meltzer RS. Assessment of Microembolization During Cardiopulmonary Bypass by Transesophageal Echocardiography. *Anesthesiology* 1991;75:A64.
20. Szalados JE, Ouriel K, Shapiro JR. Use of the Activated Coagulation Time and Heparin Dose Response Curve for Protamine Dosage in Vascular Surgery. *Anesthesiology* 1992;77:A134.
21. Meltzer RS, Reisner SA, Ong LS, Shapiro JR, Amico AF, Allen MN. Myocardial Perfusion Imaging in the Catherization Laboratory Using Contrast Echocardiography: Rest, Angioplasty, and Papaverine Studies. International Symposium on Cardiological Intensive Care, Venice, May 1993.
22. Shapiro JR, Hicks GL, Gayeski TEJ. Postoperative Effects of Intrathecal Morphine in Patients Undergoing Coronary Artery Bypass Surgery. Society of Cardiovascular Anesthesiologists 16th Annual Meeting, Montreal, Canada, April 1994.
23. Adsumelli RM, Shapiro JR, Shah PM, Martella AT, Risher WB. Hemodynamic Effects of Sternal Closure in Adult Patients Undergoing Cardiac Surgery. Midwest Anesthesiology Residents Conference, Cleveland, Ohio, April 1996.

24. Adsumelli RM, Shapiro JR, Shah PM, Martella AT, Afifi AY, Risher WB, Hicks GL. Hemodynamic Effects of Sternal Closure in Adult Patients Undergoing Cardiac Surgery. *Anesthesiology* 1996;85:A161.

25. Meltzer RS, Adsumelli R, Risher WH, Hicks G, Stern DH, Shah PM, Wojtczak JA, Lustik SJ, Gayeski TE, Shapiro JR, Cartensen EL. Lack of Lung Hemorrhage in Humans after Intraoperative TEE, with Ultrasound Exposure Conditions Similar to those Causing Lung Hemorrhage in Laboratory Animals. *Circulation* 1996; 94 (suppl. I): I-455.

26. Shapiro JR, Meltzer RS, Wang T, Zhang C, Giakoumopoulos M, Afifi H, Wang S. Contrast Echocardiography Using a New Transpulmonary Agent (BY 963) in Dogs. *Anesth & Analg* 1997;84,SCA29.

27. Hudson IM, Shapiro JR, Chhibber AK. Protamine Administration and Nitric Oxide Release in Patients Undergoing Coronary Artery Bypass Grafting. The New York State Society of Anesthesiologists, 51st Postgraduate Assembly, December 1997.

28. Iannoli EM, Eaton M, Shapiro J. Bidirectional Glenn Shunt Surgery Using Lepirudin Anticoagulation in an Infant with Heparin-Induced Thrombocytopenia with Thrombosis. International Anesthesia Research Society 78th Clinical and Scientific Congress, March 2004.

29. Kanithanon C, Karan S, Sabnis L, Shapiro J. Prolonged Postoperative Myoclonus-Like activity after Sevoflurane Anesthesia: A Case Report. Midwest Anesthesiology Resident Conference, Madison, WI, March 2005.

30. Srivatsan J, Shapiro JR. Awake Partial Cardiopulmonary Bypass Prior to Induction of Anesthesia in a Patient Undergoing Heart Transplantation. Midwest Anesthesiology Resident Conference, Chicago, IL, March 2006.

31. Shapiro JR, Peter PL, Lambert AE. The "Huddle" Model of Patient's Hand-Off to Improve the Quality of Communication and Safety of Critically-Ill Patients. *Anesth & Analg* 2007;104,SCA100.

32. Shapiro JR. Organization of a Comprehensive Mock Oral Examination Program. Faculty Development Colloquium. University of Rochester School of Medicine & Dentistry, June 2007.

33. Shapiro JR, Ward DS. Mock Oral Examinations as a Tool to Evaluate the ACGME Competencies. Faculty Development Colloquium. University of Rochester School of Medicine & Dentistry, June 2008.

34. Shapiro JR, Ward DS. Mock Oral Examinations as a Tool to Evaluate the ACGME Competencies. Innovations in Medical education Exhibits, Association of American Colleges, November 2008.

35. Shapiro JR, Ward DS. Oral Examinations as a Tool to Evaluate the ACGME Competencies. Faculty Development Colloquium. University of Rochester School of Medicine & Dentistry, June 2009.

36. Shapiro JR, Ward DS. Oral Examinations as a Tool to Evaluate the ACGME Competencies. Society for Education in Anesthesia Spring annual Meeting, June 2009.

EDITORIAL REVIEW

Kimatian SJ, Martin DE, Marine R, Mets B. A Model for Developing ACGME Competencies in an Academic Anesthesiology Department. Journal of Education in Perioperative Medicine, May 2006.

TEACHING ACTIVITIES

REGIONAL/ NATIONAL MEETINGS

Transesophageal Echocardiography
Echocardiography Update/"Hands-on" Workshop, Rochester, NY, April 1989

Transesophageal Echocardiography
Cardiology Conference, University of Rochester Medical Center, December 1989

Echocardiography: Transpulmonary contrast, Transesophageal and Intraoperative
Rochester Center for Biomedical Ultrasound, December 1989

Intraoperative Transesophageal Echocardiography in the Patient with Coronary Artery
Disease
Echocardiography for Clinicians, Rochester, N.Y., April 1990

Intraoperative Echocardiography
Rochester Association of Operating Room Nurses, May 1990

Intraoperative Echocardiography
Strong Memorial Hospital Operating Room Nurses, University of Rochester Medical
Center, May 1990

Intraoperative Transesophageal Echocardiography in Coronary Artery Disease

Noninvasive Cardiology for Physicians & Allied Health Professionals, Rochester, N.Y.,
April 1992

TEE in the Operating Room

Noninvasive Cardiology for Physicians & Allied Health Professionals, Rochester, N.Y.,
May 1993

Intraoperative Echocardiography

Surgical Grand Rounds, University of Rochester Medical Center, February 1994

Perioperative Cardiac Morbidity

Anesthesiology Conference, Highland Hospital, Rochester, N.Y., March 1994

Minimally Invasive Cardiac Surgery

Postgraduate Assembly of The New York State Society of Anesthesiologists, New York,
N.Y., December 1997

Minimally Invasive Cardiac Surgery

Postgraduate Assembly of The New York State Society of Anesthesiologists, New York,
N.Y., December 1998

Minimally Invasive Cardiac Surgery

Postgraduate Assembly of The New York State Society of Anesthesiologists, New York,
N.Y., December 1999

Off-Pump Coronary Artery Bypass Surgery

Postgraduate Assembly of The New York State Society of Anesthesiologists, New York,
N.Y., December 2000

New Techniques in Coronary Bypass Surgery: Anesthetic Issues

Postgraduate Assembly of The New York State Society of Anesthesiologists, New York,
N.Y., December 2001

New Techniques in Coronary Bypass Surgery: Anesthetic Issues

Postgraduate Assembly of The New York State Society of Anesthesiologists, New York,
N.Y., December 2002

New Techniques in Coronary Bypass Surgery: Anesthetic Issues

Postgraduate Assembly of The New York State Society of Anesthesiologists, New York,
N.Y., December 2003

Elective Surgery Status Post Recent Coronary Angioplasty With or Without Stenting

Scientific Panel on "Anesthetic Challenges in Special Situations: What Do I Need to
Know?"

Postgraduate Assembly of The New York State Society of Anesthesiologists, New York, N.Y., December 2003

Off-Pump Coronary Artery Bypass Surgery: Anesthetic Considerations
Postgraduate Assembly of The New York State Society of Anesthesiologists, New York, N.Y., December 2004

Update on Cardiac Anesthesiology
Postgraduate Assembly of The New York State Society of Anesthesiologists, New York, N.Y., December 2005

Off-Pump vs. On-Pump CABG
Postgraduate Assembly of The New York State Society of Anesthesiologists, New York, N.Y., December 2006

Perioperative Cardiac Risk Reduction for Non-Cardiac Surgery
Postgraduate Assembly of The New York State Society of Anesthesiologists, New York, N.Y., December 2006

Partial Cardiopulmonary Bypass prior to Induction of Anesthesia in Patient Undergoing Heart Transplantation
Scientific Panel Eighth Annual Bragging Contest
Postgraduate Assembly of The New York State Society of Anesthesiologists, New York, N.Y., December 2006

Competency-Based Education – Assessment Methods
Postgraduate Assembly of The New York State Society of Anesthesiologists, New York, N.Y., December 2007

Update on Off-Pump CABG
Postgraduate Assembly of The New York State Society of Anesthesiologists, New York, N.Y., December 2007

Competency-Based Resident Education
Faculty Development Colloquium Workshop, University of Rochester School of Medicine & Dentistry, June 2008.

Intraoperative Monitoring during Cardiac Surgery
Advanced Peri-Operative Cardiac Nursing
University of Rochester School of Medicine & Dentistry, September 2008.

Competency-Based Resident Education
Postgraduate Assembly of The New York State Society of Anesthesiologists, New York, N.Y., December 2008

Most Challenging Cases in Cardiac Anesthesia
Postgraduate Assembly of The New York State Society of Anesthesiologists, New York,
N.Y., December 2008

Developing a Competency-Based Curriculum for Resident Education
Faculty Development Colloquium Workshop, University of Rochester School of
Medicine & Dentistry, June 2009.

DEPARTMENTAL TEACHING

Spinal Cord Damage in Surgery of the Aorta
Anesthesiology Conference, April 1986

Noninvasive Temporary Pacemakers
Anesthesiology Case Conference, January 1987

Physiologic and Pharmacologic Considerations in the Anesthetic Management of the
Cardiac Patient
Anesthesiology Conference, May 1987

Preanesthetic Evaluation and Plan
Resident Orientation Lecture, July 1987

Myocardial Infarction During Pregnancy
Anesthesiology Case Conference, June 1988

Common Anesthetic Mishaps in Early Anesthesia Training
Resident Orientation Lecture, July 1988

Invasive Monitoring
SICU Lecture Series, November 1988

Anesthesia for the Patient with Ischemic Heart Disease
Anesthesiology Conference, February 1989

Preparation for Oral Boards
Resident Conference, June 1989

Practice Oral Examinations
Faculty Workshop, June 1989

Pharmacologic Principles and the Autonomic Nervous System
Resident Orientation Lecture, July 1989

Cardiac Disease

Resident Orientation Lecture, August 1989

Cardiovascular Pharmacology
Anesthesiology Conference, January 1990

Cardiac Disease
Resident Orientation Lecture, July 1990

Keywords Session: Equipment
Resident Conference, October 1990

Keywords Session: Monitors
Resident Conference, October 1990

Keywords Session: Pharmacology I
Resident Conference, November 1990

Keywords Session: Pharmacology II
Resident Conference, November 1990

Cyclophosphamide Cardiotoxicity
Anesthesiology Case Conference, January 1992

Management of a Low Cardiac Output State
Anesthesiology Conference, February 1993

Introduction to Transesophageal Echocardiography
Anesthesiology Conference, February 1993

Preparation for Cardiac Anesthesia
Resident lecture, March 1993

Airway Management
Medical Student Workshop, March 1993

Autonomic Drugs
Anesthesiology Conference, June 1993

The Autonomic Nervous System
Resident Orientation Lecture, July 1993

Transesophageal Echocardiography: an Intraoperative "Window to the Heart"
Anesthesiology Grand Rounds, July 1993

Abdominal Aortic Aneurysm Resection

Case Discussion Conference, June 1994

Basic Pharmacologic Principles
Resident Orientation Lecture, July 1994

Hypertension
Clinical Science Conference, February 1995

Ophthalmology - Pre- and Intraoperative Problems
Clinical Science Conference, June 1995

Basic Pharmacologic Principles
Resident Orientation Lecture, July 1995

Arrhythmias, Pacing
Monthly Advanced Clinical Track Lectures, 1995-96

Detectors of Myocardial Ischemia
Clinical Science Conference, December 1996

Minimally Invasive Cardiac Surgery
Anesthesiology Grand Rounds, April 1998

Newer Cardiovascular drugs
Clinical Lecture Series, July 1998

Basics of Inotropes and Chronotropes
Basic Science Series, November 1998

The ABA Certification Process
Friday Conferences, November 1998

Refractory Vasodilatation after Cardiopulmonary Bypass
Anesthesiology Grand Rounds, March 2000

Anesthesia for Myocardial Revascularization
Core Curriculum Lecture Series, February 2004

Pharmacologic Management of Ventricular Dysfunction
Core Curriculum Lecture Series, February 2004

ABA Certification and the Oral Examination
General Lecture Series, November 2004

Perioperative Cardiac Risk Reduction

Anesthesiology Grand Rounds, September 2005

ABA Certification and the Oral Examination
General Lecture Series, November 2005

Pharmacologic Management of Perioperative Ventricular Dysfunction
General Lecture Series, January 2006

Patient Safety Rounds - 2006 National Patient Safety Goals
Anesthesiology Grand Rounds, January 2006

Patient Safety Rounds – “*First Do No Harm*”, Root Cause Analysis
Anesthesiology Grand Rounds, August 2006

Hemodynamic Monitoring I & II
General Lecture Series, November 2006

Pharmacologic Management of Perioperative Ventricular Dysfunction
General Lecture Series, December 2006

Keyword Review in Cardiac Anesthesia
General Lecture Series, December 2006

The Philosophy and Methodology of Oral Examinations
Anesthesiology Grand Rounds, January 2007

Preoperative Cardiovascular Evaluation for Noncardiac Surgery
General Lecture Series, January 2007

Keyword Review in Cardiac Anesthesia
General Lecture Series, March 2007

Patient Safety Rounds – JCAHO Readiness and 2007 National Patient Safety Goals
Anesthesiology Grand Rounds, April 2007

Exploring Research Opportunities
Resident Conference, May 2007

Patient Safety Rounds
Anesthesiology Grand Rounds, October 2007

Keyword Review in Cardiac Anesthesia
General Lecture Series, February 2008

Keyword Review in Cardiac Anesthesia

General Lecture Series, March 2008

Hemodynamic Monitoring
General Lecture Series, March 2008

Pharmacologic Management of Perioperative Ventricular Dysfunction
General Lecture Series, April 2008

Systems Improvements I & II
CA-3 Seminar, April 2008

Preoperative Rounds
CA-1 Seminar, June 2008

CABG: Unable to Detach from Cardio-Pulmonary Bypass
CA-3 Simulator Session, January 2009

Hemodynamic Monitoring
General Lecture Series, January 2009

Pharmacologic Management of Perioperative Ventricular Dysfunction
General Lecture Series, February 2009

Cardiac Tamponade
CA-1 Simulator Session, February 2009

Cardiovascular Board Review
Board Review Course, May 2009

DEPARTMENTAL SUBSPECIALTY TEACHING

Congenital Aortic Stenosis 12/93

Highlights from the 15th Annual Meeting of the Society of Cardiovascular Anesthesiologists (Part I) 12/93

Highlights from the 15th Annual Meeting of the Society of Cardiovascular Anesthesiologists (Part II) 1/94

Diastolic Function 1/94

Recognition of Cardiac Dysrhythmias 3/94

Management of the Patient with a Recent Myocardial Infarction for Non-Cardiac Surgery 8/94

Nitric Oxide 11/95

Monthly Cardiac Anesthesia Subspecialty Conference, 1994 - 99:

Pressure-Volume Loops, Ventricular Compliance
Coagulation, Heparinization, Establishing Hemostasis
Congenital Heart Disease
Pacemakers
Cardiovascular Drugs

Weekly Core Curriculum Cardiac Anesthesia Conference, 1999 – 2005:

First Cardiac Anesthesia Month Block:

Advances in Cardiovascular Physiology
Preoperative Assessment and Testing of the Cardiac Patient
Monitoring
Basic Transesophageal Echocardiography I
Anesthesia for Myocardial Revascularization
Anesthesia for Valve Replacement in Patients with Acquired Valvular Heart Disease

Second Cardiac Anesthesia Month Block:

Management of Cardiopulmonary Bypass
Myocardial Preservation
Transfusion Medicine and Coagulation Disorders
Recognition and Treatment of Supraventricular Arrhythmias
Cardiac Pacing and Electroversion
Pharmacologic Management of Perioperative Left and Right Ventricular Dysfunction

Third Cardiac Anesthesia Month Block:

Anesthesia for Congenital Heart Disease
Anesthesia for the Patient Undergoing Heart Transplantation
Mechanical Circulatory Support
Anesthesia for Surgery of the Thoracic Aorta
Basic Transesophageal Echocardiography II
Cardiac Surgery and the CNS

Cardiac Anesthesia Lecture Series:

Anesthesia for the Patient with Congenital Heart Disease, September 2005
Weaning the Patient off Cardiopulmonary Bypass, March 2006
The Patient with Congenital Heart Disease for Non-Cardiac Surgery, April 2006
Off-Pump CABG, May 2006

Transesophageal Echocardiographic Evaluation of Complications of Myocardial Infarction
Cardiac Anesthesia Echocardiography Conference, April 2006

INTERDEPARTMENTAL TEACHING

Transesophageal Echocardiographic Assessment of Cardiac Masses
Joint Echocardiography Conference, March 2005

Simulation Session on Hemodynamic Management
Surgical Resident Skill Lab, January 2007

MEDICAL SCHOOL TEACHING

Human Structure and Function – Respiratory Physiology
Problem-Based Learning Tutor, November 2005

Human Structure and Function – Renal Physiology
Problem-Based Learning Tutor, December 2005

Cardiovascular System Course for Second Year Medical Students:
Simulator Exercise in Cardiogenic Shock, February-March 2006

Year-Two Case Seminar Clinical Practice Essay
Tutor, April-May 2006

Year-Two Case Seminar: Medical Error Workshop
Discussion Leader, April-May 2006

Physiologic and Pharmacologic Management of Left Ventricular Dysfunction
Medical Student Anesthesia Interest Group Lecture, May 2006

Human Structure and Function – Cardiovascular Regulation
Problem-Based Learning Tutor, October 2006

Cardiovascular System Course for Second Year Medical Students:
Simulator Exercise in Cardiogenic Shock, February-March 2007

Year-Two Case Seminar Clinical Practice Essay
Tutor, April-May 2007

Year-Two Case Seminar: Medical Error Workshop
Discussion Leader, April 2007

Human Structure and Function – Cardiovascular Regulation
Problem-Based Learning Tutor, October 2007

Cardiovascular System Course for Second Year Medical Students:
Simulator Exercise in Cardiogenic Shock, February 2008

Year-Two Case Seminar Clinical Practice Essay
Tutor, March-May 2008

Year-Two Case Seminar: Medical Error Workshop
Discussion Leader, April 2008

Comprehensive Assessment Videotape Review Session
Faculty Facilitator May 2008

Human Structure and Function – Renal Physiology
Problem-Based Learning Tutor, November-December 2008

Cardiovascular System Course for Second Year Medical Students:
Simulator Exercise in Cardiogenic Shock, February 2009

Year-Two Case Seminar Clinical Practice Essay
Tutor, April-May 2009

ACLS INSTRUCTOR

ECG Lecture, November 2006

OTHER EDUCATIONAL CONTRIBUTIONS

Clinical Teaching

1986 - Present

Clinical “bedside” teaching of anesthesiology residents, cardiac anesthesia fellow, and other residents and medical students rotating in anesthesia in General Anesthesia, Cardiac Anesthesia, Pediatric Cardiac Anesthesia and Perioperative Transesophageal Echocardiography.

Variable number of residents/students each year.

Mock Oral Board Examination Program

Coordinator and Faculty Examiner 1989 – Present

Coordination and administration of semi-annual mock oral board examinations to anesthesiology residents, fellows and junior faculty.

The mock oral examinations duplicate the format of the American Board of Anesthesiology oral examinations. Coordination includes the planning, preparation of guided questions, scheduling, the evaluation process, and training.

Anes 601: Hemodynamic Monitoring

Course Director 1994 – 2004

One-week elective for third and fourth year medical students

Developed a course to teach the student concepts in invasive hemodynamic monitoring in the clinical setting of the operating room. This course includes didactic and clinical teaching and a syllabus of reading material.

Approximately 20 – 30 students per year

Pediatric Cardiac Anesthesia Syllabus

Prepared in 2000, with regular updates.

This syllabus includes the goals and objectives for the Pediatric Cardiac Anesthesia rotation for anesthesiology residents, a clinical guide and selected reading material.

Cardiac Anesthesia Fellowship Didactic Program, 2006**MEETINGS ATTENDED**

Specialty Review in Anesthesiology

Chicago, IL, May 1985

Anesthesiology Comprehensive Review

New York, NY, March 1986

Annual meeting of the Society Of Cardiovascular Anesthesiologists

Montreal, Que, April 1986

Anesthesiology Comprehensive Review

New York, NY, March 1987

Specialty Review in Anesthesiology

Chicago, IL, May 1987

Doppler Echocardiography for Cardiologists and Sonographers

Rochester, NY, June 1987

American Heart Association 60th Scientific Sessions

Anaheim, CA, November 1987

Practical Doppler Echocardiography

Rochester, NY, May 1988

Advances in Echocardiography

Chicago, IL, September 1988

Transesophageal Echocardiography 1988: Intraoperative and Clinical Applications
San Francisco, CA, October 1988

Annual Meeting of the American Society of Anesthesiologists
San Francisco, CA, October 1988

American Heart Association 61th Scientific Sessions
Washington, DC, November 1988

Workshop on Oral Examinations for Faculty Examiners
The American Board of Anesthesiology, Scottsdale, AZ, April 1989

Echocardiography Update/"Hands-on" Workshop
Rochester, NY, April 1989

Advances in Echocardiography: Contrast Echocardiography, Perfusion Imaging,
Transesophageal Echo
Chicago, IL, October 1989

American Heart Association 62nd Scientific Sessions
New Orleans, LA, November 1989

Echocardiography for Clinicians
Rochester, NY, April 1990

Advances in Echocardiography: Contrast Echocardiography, Perfusion Imaging,
Transesophageal Echo
Chicago, IL, October 1990

Noninvasive Cardiology for Physicians & Allied Health Professionals
Rochester, NY, April 1992

Noninvasive Cardiology for Physicians & Allied Health Professionals
Rochester, NY, May 1993

Society of Cardiovascular Anesthesiologists 16th Annual Meeting
Montreal, Quebec, Canada, April 1994

Symposium: Early Extubation After Cardiac Surgery: New Trends
Montreal, Quebec, Canada, April 1994

Noninvasive Cardiology for Physicians & Allied Health Professionals
Rochester, NY, May 1994

Noninvasive Cardiology for Clinicians

Rochester, NY, May 1995

American Society of Echocardiography 6th Annual Scientific Sessions
Intraoperative Echocardiography Symposium
Toronto, Ontario, Canada, June 1995

Noninvasive Cardiology for Clinicians
Rochester, NY, May 1996

Transesophageal Echocardiography Intermediate Workshop
Society of Cardiovascular Anesthesiologists,
Baltimore, M.D., May 1997

19th Annual Meeting of the Society of Cardiovascular Anesthesiologists,
Baltimore, M.D., May 1997

50th Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 1997

51st Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 1998

Advanced Cardiac Life Support -Provider
University of Rochester Medical Center
Rochester, N.Y., March 1999

52th Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 1999

Anesthesiology & Perioperative Medicine
University of Rochester Medical Center
Rochester, N.Y., May 2000

53th Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 2000

54th Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 2001

55th Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 2002

56th Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 2003

57th Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 2003

Patient Safety: Building a Safer Health System
University of Rochester Medical Center
Rochester, N.Y., June 2004

58th Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 2004

Developing Leadership in Medicine: Education, Research, and Clinical Care
University of Rochester School of Medicine & Dentistry
Rochester, N.Y., June 2005

59th Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 2005

60th Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 2006

29th Annual Meeting of the Society of Cardiovascular Anesthesiologists,
Montreal, Quebec, April 2007

Faculty Development Colloquium. University of Rochester School of Medicine & Dentistry,
June 2007.

61st Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 2007

Faculty Development Colloquium. University of Rochester School of Medicine &
Dentistry, June 2008.

Society for Education in Anesthesia Spring Annual Meeting, Miami, Fl, June 2008

61st Postgraduate Assembly of the New York State Society of Anesthesiologists
New York, N.Y., December 2008

Society for Education in Anesthesia 2009 Workshop on Teaching, Austin, TX, March 2009

Faculty Development Colloquium. University of Rochester School of Medicine &
Dentistry, June 2009.

Society for Education in Anesthesia Advanced Workshop on Teaching, Seattle, WA, June 2009

Society for Education in Anesthesia Spring Annual Meeting, Seattle, WA, June 2009

OTHER CME/ EDUCATIONAL ACTIVITIES

Anesthesiology Grand Rounds (Weekly)

Department of Anesthesiology, University of Rochester Medical Center

Cardiac Anesthesia Echocardiography Conference, Journal Club, and Research Seminar (Monthly)

Department of Anesthesiology, University of Rochester Medical Center

City-Wide Cardiac Surgery Conference (Monthly)

University of Rochester Medical Center

Pediatric Cardiac Surgery Research Meeting (Monthly)

University of Rochester Medical Center

District VI Conference (Quarterly)

District VI of New York State Society of Anesthesiologists,
Rochester, N.Y.

Clinicolegal Correlations Course – Basic Case Studies Self-Study Program

Columbia University College of Physicians & Surgeons, June 2005

Problem Based learning Tutor Training Program

University of Rochester Medical Center, July 2005

ACLS Provider Course

University of Rochester Medical Center, September 2005

ACLS Instructor Course

University of Rochester Medical Center, October 2005

Patient Safety: A Systems Approach

University of Rochester Medical Center, February 2006

Advanced Cardiac Life Support Science Update for American Heart Association
Instructors

University of Rochester Medical Center, March 2006

Clinicolegal Correlations Course – Basic Case Studies Self-Study Program

Columbia University College of Physicians & Surgeons, May 2006

“Preoperative Evaluation of the Non-Cardiac Patient: State of the Art”, KA Eagle, MD

Thirty-Fourth Annual Arvilla Berger Lecture, The New York Cardiological Society, March 2007

The Advanced Practice Strategies Patient Safety Education Self-Study Program
Harvard Risk Management Foundation, December 2008

University of Rochester Medical Center Leadership in Academic Medicine Seminar Series:

- “Introduction to Leadership and Management”, October 2007
- “Medical Staff Leadership – Providing High-Quality Clinical Services”, November 2007
- “Leadership of Major Academic Teaching Hospitals”, December 2007
- “Leading a Research Team – Mentoring and Leadership”, March 2007
- “Leadership in Education – The Next Generation”, April 2007
- “The Dean’s Role in Leading the Medical School”, May 2007

University of Rochester Medical Center Dean’s Teaching Fellow Seminar Series:

- “Keys to Engineering a Successful Curricular Change”, September 2007
- “Personal Learning Plans”, September 2007
- “Research in Medical Education”, October 2007
- “Teaching and Assessing Systems-Based Practice”, October 2007
- “Demystifying the Promotion Process”, November 2007
- “Project Management and Funding”, November 2007
- “Qualitative Research Design”, December 2007
- “How to be a Better Teacher”, December 2007
- “Leadership”, January 2008
- “Small-Group Teaching”, January 2008
- “Teaching and Assessing Cultural Competence, Diversity, Sensitivity”, January 2008
- “A Communication Skills Curriculum”, February 2008
- “Preparing a Poster for a Conference”, March 2008
- “Mentoring and Advising Students: Joys and Pitfalls”, March 2008
- “Assessment Methods”, April 2008
- “Writing Good Test Questions, MCQs, Scripts, Essays”, April 2008
- “Curricular Design and Curricular Change”, May 2008
- “Why Doctors Make Mistakes: The Role of Self-Monitoring”, May 2008
- “Self-Care”, June 2008
- “The Courage to Teach”, September 2008
- “Intuition and Metacognition” in Education”, September 2008
- “Learning Plans”, November 2008
- “Research Design: Quantitative”, November 2008
- “Research Design: Qualitative Methods”, December 2008
- “Lecturing Skills with Critique”, December 2008
- “Dealing with Conflict”, January 2009
- “Academic Writing & Getting Published”, January 2009
- “Cognitive Task Analysis”, February 2009
- “High Tech Simulation”, February 2009
- “Using PowerPoint Effectively”, March 2009
- “How NBME Defines Medical Student Competence”, March 2009
- “e-Learning in Medical Education”, April 2009

“Hidden Curriculum”, May 2009

“Expertise”, May 2009

“Self-Care”, June 2009

University of Rochester Medical Center Faculty Development Workshop Series:

“How to Make a Great Powerpoint Presentation”, January 2007

“The Objectives of Learning Objectives”, February 2007

“Academic Career Development”, March 2007

“Growing Careers: Education Portfolio”, September 2007

“Career Development for Translational Research”, November 2007

“Syllabus Preparation”, November 2007

“Leadership in Education”, January 2008

“Teaching and Learning Styles (What We Know and Don’t Know)”, September 2008

“The NIH Clinical Research Training Program and the Clinical Center’s Clinical Research Curriculum”, October 2008

“Career Development for Medical Educators”. December 2008

“Leadership Development for Mid-Career Faculty”, January 2009