

## **CURRICULUM VITAE**

**CLIFFORD M. SALES, MD, MBA**

### **EDUCATION**

B.S.	State University of New York at Buffalo	1982
	Harvard University School of Dental Medicine	1982-1984
M.D.	Mount Sinai School of Medicine, New York	1986
M.B.A.	Rutgers University, New Jersey	2002

### **TRAINING**

Clinical Externship in Liver Transplantation, Cambridge University, Cambridge, England. (R.Y. Calne, FRCS), October 1985.

Internship, Surgery, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, New York, July 1986-June 1987.

Resident in General Surgery, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, New York, July 1987-June 1990.

Chief Resident in General Surgery, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, New York, July 1990-June 1991.

Fellow in Vascular Surgery, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, New York, July 1991-June 1993.

### **ACADEMIC APPOINTMENTS**

Assistant Clinical Professor of Surgery  
Mount Sinai School of Medicine, 1998-present

**CLIFFORD M. SALES, MD, MBA**

*Page Two*

**COMMITTEE APPOINTMENTS**

**VASCULAR SOCIETY OF NEW JERSEY**

Professional Affairs Committee 1996-1997  
Chairman, Professional Affairs Committee 1998-1999  
Chairman, Long Range Planning Committee 1999-2005  
Director, Executive Board, 2000-2002  
Treasurer, Executive Board 2003  
Secretary, Executive Board, 2004  
Medicare Carrier Advisory Committee, 2000-2002  
**President** 2004-2005

**NEW JERSEY STATE BOARD OF MEDICAL EXAMINERS**

Medical Expert Advisory Panel, 1998- Present

**EMPIRE MEDICARE SERVICES OF NEW YORK & NEW JERSEY**

Co-Chairman, Medicare Carrier Advisory Committee, 2003-Present

**OVERLOOK HOSPITAL**

Surgical Quality Improvement Committee, 2002-Present  
Operating Room Committee, 2002-Present  
Strategic Planning Committee, 2004  
Continuing Medical Education Committee, 2003-present

**SOCIETY OF VASCULAR SURGERY**

Government Relations Committee, 2003-Present

**CENTER FOR MEDICARE AND MEDICAID SERVICES (CMS)**

Chairperson, Fistula First Initiative, Clinical Practice Committee,  
2004-Present

**CLIFFORD M. SALES, MD, MBA**

*Page Three*

**HOSPITAL APPOINTMENTS**

Assistant Attending in Surgery, North Central Bronx Hospital, Bronx, New York, 1991 to 1993.

Attending, Overlook Hospital, Summit, New Jersey, 1993-present.

Attending, Rahway Hospital, Rahway, New Jersey, 1993-present.

Associate Attending, Saint Barnabas Medical Center, Livingston, New Jersey, 1993-present.

Assistant Attending, Columbus Hospital, Newark, New Jersey, 1993-2004.

Associate Attending, Clara Maass Medical Center, Belleville, New Jersey, 1993-present.

Attending, Medical Staff, Union Hospital, Union, New Jersey, 1993-2006.

Associate Medical Staff, The Hospital Center at Orange, Orange, New Jersey, 1993-2004.

Associate Attending Staff, Mountainside Hospital, Montclair, New Jersey, 1993-present

Chief, Division of Vascular Surgery, Union Hospital- Saint Barnabas Health Care System; Union, New Jersey, 1995-2006.

Director, Noninvasive Vascular Laboratory, Union Hospital- Saint Barnabas Health Care System; Union, New Jersey, 1995-2006.

Chief, Division of Vascular Surgery, Overlook Hospital- Atlantic Health Care System; Summit, New Jersey, 2002-Present.

Chief, Division of Vascular Surgery, Rahway Hospital- Robert Wood Johnson Health Care System; Rahway, New Jersey, 2003-Present.

Director, Noninvasive Vascular Laboratory, Overlook Hospital—Atlantic Health Care System; Summit, 2005-Present.

**CLIFFORD M. SALES, MD, MBA**

*Page Four*

**AWARDS AND HONORS**

Magna Cum Laude, State University of New York at Buffalo, 1982.

New York Transplantation Society Award, April 1985.

Residents' Essay Competition Award, American College of Surgeons,  
Bronx Chapter, May 1989.

Residents' Essay Competition Award, American College of Surgeons,  
Bronx Chapter, May 1991.

The Best Doctors in New York. ***New York Magazine***, June 7, 1999, p.78.

The Top Doctors—New York Metro Area. ***Castle Connolly Guides***, 1997-2005.

The Best Doctors in New York. ***New York Magazine***, June 16, 2003, p.83.

The Best Doctors in New Jersey. ***New Jersey Magazine***, Sept. 2003, p.133.

The Best Doctors in New York. ***New York Magazine***, June 14, 2004, p.95.

Physician's Excellence Award. Overlook Hospital, May 2005.

The Best Doctors in New York. ***New York Magazine***, June 13, 2005, p.88.

The Best Doctors in New York. ***New York Magazine***, June 19, 2006, p.88.

Certificate of Award, **Centers for Medicare & Medicaid Services**, April 2006.

Office Director's Citation, **Centers for Medicare & Medicaid Services**,  
June 2007.

Outstanding Achievement, **Rutgers Business School**, June 2007.

The Best Doctors in New Jersey. ***New Jersey Magazine***, Nov. 2007, p..

**SOCIETIES**

Fellow, American College of Surgeons  
New York Transplantation Society  
Peripheral Vascular Surgery Society  
International Society for Endovascular Surgery  
Academy of Medicine of New Jersey  
The Vascular Society of New Jersey  
Society for Clinical Vascular Surgery  
American College of Phlebology  
American Venous Forum  
Eastern Vascular Society  
American Association of Vascular Surgery

**EDITORIAL ADVISORY BOARD**

Physicians, Montefiore Medical Center, New York, New York. 1991-1993.

**BOARD CERTIFICATION**

American Board of Surgery, 1992  
Added Qualifications in Vascular Surgery, 1995, 2002  
Recertified in Vascular Surgery, 2002  
Registered Vascular Technologist, 1995

**LICENSURE**

New York (License Number: 171456)  
New Jersey (License Number: MA59448)

**A. ORIGINAL ARTICLES IN REFEREED JOURNALS**

1. Sales CM and Burrows L. Cadaveric organ procurement: An investigation of a source of kidney shortage. *Transp Proc*, 18:3, 1986.
2. Boley SJ, Brandt LJ, Veith FJ, Kosches D and Sales CM. A new provocative test for chronic mesenteric ischemia. *Am J Gastro*, 86: 888-891, 1991.
3. Panetta TF, Sales CM, Marin ML, Schwartz M, Jones AM, Berdejo G, Wengerter KR and Veith FJ. Natural history, duplex characteristics and histopathological correlation of arterial injuries in a canine model: Which lesions require operation? *J Vasc Surg*, 16: 867-76, 1992.
4. Marin ML, Veith FJ, Gordon RE, Panetta TF, Sales CM, Lyon RT et al. Analysis of balloon dilatation of human vein graft stenoses. *Ann Vasc Surg*, 7: 2-7, 1993.
5. Sales CM, Marin ML, Veith FJ, Suggs WD, Panetta TF, Wengerter KR and Gordon RE. Saphenous vein angioscopy: A valuable method to detect unsuspected venous pathology. *J Vasc Surg*, 18: 198-206, 1993.
6. Calligaro KD, Veith FJ, Sales CM, Dougherty MJ, Savarese RP and DeLaurentis DA. Comparison of muscle flaps and delayed secondary intention wound healing for infected lower extremity arterial grafts. *Ann Vasc Surg*, 8: 31-37, 1994.
7. Marin ML, Gordon RE, Veith FJ, Panetta TF, Sales CM and Wengerter KR. Human greater saphenous vein: Histologic and ultrastructural variation. *Cardiovasc Surg*, 2: 56-62, 1994.
8. Sales CM and Veith FJ. Management of the diabetic foot infection. *Contemp Surg*, 46: 15-20, 1995.
9. Sales CM, Goldsmith J and Veith FJ. Prospective study of the value of prebypass saphenous vein angioscopy. *Am J Surg*, 170: 106-108, 1995.
10. Sales CM, Bilof ML, Petrillo KA and Luka NL. Correction of lower extremity deep venous incompetence by ablation of superficial venous reflux. *Ann Vasc Surg*, 10: 186-189, 1996.
11. Sales CM, Rosenthal D, Petrillo KA et al. The valvular apparatus in venous insufficiency: A problem of quantity? *Ann Vasc Surg* 12: 153-155, 1998.
12. Sales CM, Podnos J and Levison JA. The Economics of Vein Disease. *Perspectives in Vascular Surgery and Endovascular Therapy* 19: 327-331, 2007.

**A. ORIGINAL ARTICLES IN REFEREED JOURNALS (CONT)**

13. Iida J, Vyniski V, Holmes RJ and Sales CM. Spontaneous Regression of a Type I Endoleak: Documented with Duplex Ultrasound. *J Vasc Ultrasound* ***In Press***

**B. BOOKS AND CHAPTERS IN BOOKS**

1. Marin ML, Gordon RE, Veith FJ, Panetta TF, Wengerter KR, Suggs WD and Sales CM. Saphenous vein morphology and pathology: Can they contribute to vein bypass failures? In: Current Critical Problems in Vascular Surgery, Vol. 4, FJ Veith, Ed, Quality Medical Publishing, St. Louis, Missouri, 1992: 62-68.
2. Marin ML, Veith FJ, Panetta TF, and Sales CM. Prebypass pathology of the saphenous vein and vein graft failure. In: Current Critical Problems in Vascular Surgery, Vol. 5, FJ Veith, Ed, Quality Medical Publishing, St. Louis, Missouri, 1993: 122-128.
3. Sales CM, Goldsmith J and Veith FJ Eds. Handbook of Vascular Surgery, Quality Medical Publishing, St. Louis, Missouri, 1994.
4. Sales CM, Goldsmith J and Veith FJ. Vascular Emergencies. In: Handbook of Vascular Surgery, CM Sales et al Eds., Quality Medical Publishing, St Louis, Missouri, 1994.
5. Goldsmith J, Sales CM and Veith FJ. Surgical Treatment of Lower Extremity Ischemia, In: Handbook of Vascular Surgery, CM Sales et al Eds., Quality Medical Publishing, St Louis, Missouri, 1994.
6. Sales CM, McKay J and Veith FJ Eds. Handbook of Vascular Surgery, 2<sup>nd</sup> Edition. Marcel Dekker, Inc., New York, New York, *In Progress*.
7. Sales CM. Quality Measurement in Arteriovenous Access, In: Trends in Vascular Surgery, Pearce WH and Matsumura JS Eds. Greenwood Academic, Evanston, Ill, Chicago: 2007.

**C. INVITED COMMENTARY**

1. Sales CM. *Review of Randomized trial of stripping versus high ligation combined with sclerotherapy in the treatment of the incompetent greater saphenous vein*; Am J Surg 1994. In: *Venous Digest* 1995; 2: 1.
2. Sales CM. *Review of How Successful is Varicose Vein Surgery? A Patient Outcome Study Following Varicose Vein Surgery using the SF-36 Health Assessment Questionnaire*; Eur J Endovasc Surg 1995. In: *Venous Digest* 1995; 2: 9.
3. Sales CM. *Review of The Superficial Femoral Vein: A Potentially Lethal Misnomer*; JAMA 1995. In: *Venous Digest* 1996; 3: 1.
4. Sales CM. *Review of Venous Disease: How to heal and prevent chronic leg ulcers*; Geriatrics 1995. In: *Venous Digest* 1996; 3: 3.
5. Sales CM. *Review of Day-case Varicose Vein Surgery: Patient Suitability and Satisfaction*, Phlebology 1995. In: *Venous Digest* 1996; 3: 4.
6. Sales CM. *Review of Effects of Varicose Vein Surgery on Venous Function of the Lower Limb*, Phlebology 1996. In: *Venous Digest* 1997; 4: 4.
7. Sales CM and Gerard JN. *Work of a Noninvasive Vascular Laboratory*, *New Jersey Medicine*. 31-32, February 1998.
8. Sales CM. *Review of Duplex Scanning for Recurrent Varicose Veins*, Aust NZ J Surg 1996. In: *Venous Digest* 1998; 5: 4.
9. Sales CM. *Review of Preoperative Digital Photoplethysmography Predicts Improvement in Venous Function after Superficial Venous Surgery for Chronically Ulcerated Limbs*, *Phlebology* 1998. In: *Venous Digest* 1999; 6: 1.

**D. ABSTRACTS**

1. Jones A, Panetta TF, Sales CM, et al. Duplex ultrasonography for evaluating arterial injuries. San Diego Symposium on Vascular Diseases, February 1992.
2. Sales CM, Schwartz M, Panetta TF, Marin ML, Jones AM, Wengerter KR and Veith FJ. Natural history, duplex characteristics and histopathological correlation of arterial injuries in a canine model: Which lesions require operation? *J Vasc Surg* 16(2):302, 1992.
3. Marin ML, Gordon RE, Veith FJ, Panetta TF, Sales CM, and Wengerter KR. Variation in cell-to-cell communication in human vascular smooth muscle cell cultures derived from nonarteriosclerotic and arteriosclerotic aortas. *FASEB J*, 6:A1320, 1992.
4. Sales, CM, Suggs WD, Veith FJ, Panetta TF, Marin ML, and Wengerter KR. The value of angioscopy: Technology in need of application. *Proc of Peripheral Vascular Surgery Society*, 1992.
5. Sales CM, Marin ML, Veith FJ, Suggs WD, Wengerter KR, Panetta TF, and Gordon RE. Pre-bypass saphenous vein angioscopy: A valuable method to detect unsuspected venous pathology. *J Vasc Surg* 16(2):298, 1992.
6. Wengerter KR, Schwartz ML, Veith FJ, Suggs WD, Panetta TF, Sales CM and Marin ML. Vein graft rupture: A mandate for total graft replacement. *J Vasc Surg* 15(6):1071, 1992.
7. Sales, CM, Marin ML and Veith FJ. Applications of angioscopy in vascular surgery. *Proc of 94th Congress of French Surgical Society*, 1992.
8. Marin ML, Sales CM and Veith FJ. Can saphenous vein biopsy and angioscopy improve the results of vein bypass? *Proc of the 19th Annual Symposium on Current Critical Problems and New Techniques in Vascular Surgery*, 1992.
9. Sales CM, Sanchez LA, Veith FJ, Panetta TF and Marin ML. The value of angioscopy in the management of failing and failed infrainguinal bypass grafts. *Proc of Peripheral Vascular Surgery Society*, 1993.
10. Sales CM. Care of the Diabetic Foot. *Diagnosis and Management of Vascular Disease: A Basic Approach for the Practicing Physician*, 1993.
11. Calligaro KD, Veith FJ, Sales CM et al. A comparison of muscle flaps and delayed secondary intention wound healing in the management of infected lower extremity arterial grafts. *Proc of Peripheral Vascular Surgery Society*, 1993.

**D. ABSTRACTS** (*continued*)

12. Sales, CM and Luka NL. Deep vein thrombosis and pregnancy: Implications for management. Proc of American Venous Forum, 1995.
13. Sales CM, Bilof, ML, and Luka NL. The Indications for Inferior Vena Cava Filters: Practice Patterns of Surgeons and Radiologists. Proc of American Venous Forum, 1996.
14. Bilof ML, Sales CM, Madaras JS, Luka NL and Gerard FP. The cost of inferior vena cava filters: Does it matter where it is done? Proc of Vascular Society of New Jersey, 1996.
15. Sales CM, Rosenthal D, Petrillo KA et al. The valvular apparatus in venous insufficiency: A problem of quantity? Proc of Peripheral Vascular Surgery Society, 1997.
16. Sales CM, Vyniski V, Petrillo KA et al. Venous Valvular Incompetence: How Best To Quantitate It? Proc of American College of Phlebology, 1998.
17. Levison JA and Sales CM. Abdominal Compartment Syndrome Complicating Endovascular Repair of an Abdominal Aortic Aneurysm. Proc of Vascular Society of New Jersey, 2003.
18. Holmes RJ and Sales CM. Percutaneous Directional Atherectomy: Resurrecting a Dead Horse or Betting on a High Flyer? Proc of Peripheral Vascular Surgery Society, 2006.
19. Margolis, S, Levison JA and Sales CM. Basilic Vein Transpositions: The Critical Importance of Minimum Vein Diameter. Proc of Society for Clinical Vascular Surgery, 2007.
20. Markowitz R, Levison JA, Holmes RJ, Kumar MH, Addis MD and Sales CM. Infrainguinal Angioplasty in the Community Setting: The Effect of Renal Function. Proc of VEITH Symposium 2007.
21. Holmes, RJ, Levison JA and Sales CM. Fistula First in the Morbidly Obese. Proc of Society for Clinical Vascular Surgery, March 2008.

**E. PRESENTATIONS**

1. "Cadaveric Organ Procurement in New York City," Seventeenth Scientific Meeting of the New York Transplantation Society, New York, New York, April 1985.
2. "Cadaveric Organ Procurement: An Investigation of a Source of Kidney Shortage," Second International Symposium on Organ Procurement, Detroit, Michigan, October 1985.
3. "Rule Out Cardiac Contusion: A Diagnosis in Search of a Disease," American College of Surgeons, Bronx Chapter, Semi-Annual Meeting, May 1989.
4. "Sickle Cell Disease, Acute Splenic Sequestration and Splenectomy," American College of Surgeons, Bronx Chapter, Semi-Annual Meeting, May 1991.
5. "Ruptured Abdominal Aortic Aneurysm: Initial Presentation and Management," Educational Review Tapes in Emergency Medicine, Alabama, November 1991.
6. "Angioscopy: Unique Applications," Fourth International Symposium on Technologies in Vascular Surgery, Northwestern University, Chicago, Illinois, December 1991.
7. "Noninvasive Vascular Laboratory: Its Role in Clinical Medicine," Educational Review Tapes in Emergency Medicine, Alabama. December 1991.
8. "Angioscopy: Technology in Need of an Application," Peripheral Vascular Surgery Society, Winter Meeting, Colorado, January 1992.
9. "Prebypass Saphenous Vein Angioscopy: A Valuable Method to Detect Unsuspected Venous Pathology," Eight Annual Vascular Fellows Abstract Presentation, New York, New York, April 1992.
10. "Prebypass Saphenous Vein Angioscopy: A Valuable Method to Detect Unsuspected Venous Pathology," Eastern Vascular Society, New York, New York, May 1992.
11. "The Management of Diabetic Foot Infections," Educational Review Tapes in Emergency Medicine, Alabama. July 1992.

**E. PRESENTATIONS** *(continued)*

12. "Evaluation of the Saphenous Vein as a Bypass Conduit: The Role of Angioscopy," 94th Congress of the French Surgical Society, Paris, France, September 1992.
13. "Applications of Angioscopy in Vascular Surgery," 94th Congress of the French Surgical Society, Paris, France, October 1992.
14. "Vascular Trauma: Diagnosis and Management," Educational Review Tapes in Emergency Medicine, Alabama. September 1992
15. "Applications of Angioscopy in Vascular Surgery," Clinical Congress of the American College of Surgeons, New Orleans, October 1992.
16. "Management of the Diabetic Foot Infection," Clarence Schein Memorial Lecture, Bronx, New York, October 1992.
17. "The Value of Endoscopy in Vascular Surgery," Nineteenth Annual Symposium on Current Critical Problems and New Techniques in Vascular Surgery, New York, November 1992.
18. "The Value of Angioscopy in the Management of Failing and Failed Infrainguinal Bypass Grafts," Peripheral Vascular Surgery Society, Winter Meeting, Colorado, January 1993.
19. "Vascular Disease of the Upper Extremity." Educational Review Tapes in Emergency Medicine, Alabama. June 1993.
20. "Carotid Endarterectomy After Prior Stroke: The Safety of Nonshunting." Society of Vascular Surgery-International Society of Cardiovascular Surgery Annual Meeting (Poster Session), Seattle. June 1994.
21. "Deep Vein Thrombosis and Pregnancy: Implications for Management." American Venous Forum Annual Meeting, Fort Lauderdale. February 1995.
22. "Prospective Study of the Value of Prebypass Saphenous Vein Angioscopy." Society for Clinical Vascular Surgery, Fort Lauderdale. March 1995.
23. "Correction of Lower Extremity Deep Venous Reflux by Ablation of Superficial Venous Incompetence." Vascular Society of New Jersey, New Jersey. March 1995.

**E. PRESENTATIONS** *(continued)*

24. "Correction of Lower Extremity Deep Venous Reflux by Ablation of Superficial Venous Incompetence." Peripheral Vascular Surgery Society Annual Meeting, New Orleans. June 1995.
25. "The Indications for Inferior Vena Cava Filters: Practice Patterns of Surgeons and Radiologists." (Poster) American Venous Forum, San Diego. February 1996.
26. "The Cost of Inferior Vena Cava Filters: Does It Matter Where It Is Done?" Vascular Society of New Jersey, New Jersey. March 1996.
27. "The Importance of the Saphenous Vein in Venous Disease." Research Conference, Overlook Hospital, New Jersey. June 1996.
28. "The Valvular Apparatus in Venous Insufficiency: A Problem of Quantity?" Peripheral Vascular Surgery Society Annual Meeting, Boston. May 1997.
29. "Venous Valvular Incompetence: How Best To Quantitate It?" American College of Phlebology, Twelfth Annual Congress, Puerto Rico. November 1998.
30. "Impact of Perforators on Venous Hemodynamics: When Does SEPS Make Sense?" Tenth Annual Conference of Venous Disorders. Mount Sinai School of Medicine, New York. October 1999.

**F. INVITED DISCUSSION**

1. "Anatomic and Physiologic Changes in Lower Extremity Venous Hemodynamics Associated with Pregnancy." Paul Cordts, MD. American Venous Forum, San Diego. February 1996.
2. "Progress in Surgery for Lower Extremity Ischemia." Moderator, Current Critical Problems, New Horizons and Techniques on Vascular and Endovascular Surgery, New York. November 1996.
3. "Current Topics of Interest." Moderator, The Second Northeastern Conference on Vascular Access for Hemodialysis, New York. May 1998.
4. "The Business of the Vascular Laboratory.: Moderator, North Jersey Vascular Association, New Jersey. May 2002.
5. "Carotid Artery Disease: The Appropriate Approach." Cardiovascular Insights 2002. New Jersey, October 2002.
6. Scientific Session, Vascular Society of New Jersey. Moderator. New Jersey, March 2005.

**G. INVITED PRESENTATIONS**

1. "Care of the Diabetic Foot," Symposium on Diagnosis and Management of Vascular Disease, New York, April 1993.
2. "What's New in Vascular Surgery." New York Academy of Optometry, New York, July 1993.
3. "Endovascular Surgery: Current Practices and Future Possibilities." Grand Rounds, Columbus Hospital, New Jersey. January 1994.
4. "Endovascular Surgery: Current Practices and Future Possibilities." Vascular Surgery Grand Rounds, University of Medicine and Dentistry of New Jersey, New Jersey. February 1994.
5. "Endovascular Surgery in 1994." Grand Rounds, Clara Maass Medical Center, New Jersey. February 1994.
6. "Vascular Surgery Update: 1994." Medical Grand Rounds, Rahway Hospital, New Jersey. March 1994.
7. "The Noninvasive Vascular Laboratory: Principles and Practice." Podiatry Grand Rounds, Union Hospital, New Jersey. March 1994.

**G. INVITED PRESENTATIONS** (*continued*)

8. "Diabetes Mellitus and Peripheral Vascular Disease." Diabetes Lecture Series, Rahway Hospital, New Jersey. April 1994.
9. "Treatment of Arterial Pseudoaneurysms." Northern New Jersey Society of Vascular Technologists, New Jersey. October 1994.
10. "Endovascular Stents and Grafts." Surgery Grand Rounds, Mountainside Hospital, New Jersey. December 1994.
14. "Evaluation and Treatment of Venous Insufficiency." Medical Grand Rounds, Union Hospital, New Jersey. October 1995.
15. "Evaluation and Management of Venous Disorders." Semi-Annual Meeting of New Jersey Society of Vascular Technology, New Jersey. March 1996.
16. "Chronic Venous Insufficiency." Annual Meeting, Orange Mountain Medical Society, New Jersey. March 1996.
14. "Infectious Complications in the Diabetic Foot." Surgical Residents Dinner; Saint Barnabas Medical Center, New Jersey. March 1996.
15. "Use of the Noninvasive Vascular Laboratory." Podiatric Grand Rounds. Saint Barnabas Medical Center, New Jersey. April 1996.
16. "The Treatment of Diabetic Foot Infections." Medical-Surgical Grand Rounds; Saint Elizabeth Hospital, New Jersey. April 1996.
17. "Marketing for Surgeons." Merck and Company; Merck Research and Training Center, New Jersey. May 1996.
18. "Limb Salvage Surgery: Is It Worthwhile?" Bayonne Hospital, Grand Rounds. New Jersey. April 1997.
19. "Diabetes and Peripheral Vascular Disease." Bayonne Hospital Community Benefit Center. New Jersey. April 1997.
20. "Appropriate Utilization of the Noninvasive Vascular Laboratory." Union Hospital Grand Rounds. New Jersey. May 1997.
21. "Diagnosis and Treatment of Diabetic Foot Infections." The Cornwall Hospital/St. Luke's Hospital Teaching Day. New York, May 1997.

**G. INVITED PRESENTATIONS (CONTINUED)**

22. "Diabetes and Peripheral Vascular Disease." Medical Grand Rounds, Community Medical Center. Toms River, New Jersey. June 1997.
23. Moderator; "Lower Extremity Arterial Disease." The Noninvasive Vascular Laboratory: Principles and Practice. New Jersey. September 1997.
24. Moderator; "Venous Disease." The Noninvasive Vascular Laboratory: Principles and Practice. New Jersey. September 1997.
25. "Update of Venous Thrombosis: Low Molecular Weight Heparin." Obstetrics and Gynecology Grand Rounds. Newark Beth Israel Medical Center. New Jersey. October 1997.
26. "Management of Vascular Graft Infections." Department of Surgery Dinner. Saint Barnabas Medical Center, New Jersey. October 1997.
27. "Varicose Veins: Do They Really Need to Be Treated?" New Jersey Society of Podiatric Medicine, New Jersey. December 1997.
28. "The Noninvasive Vascular Laboratory: An Update." Senior Committee, Saint Barnabas Health Care System, New Jersey. February 1998.
29. "Recognition and Management of the Diabetic Foot Infection." Medical Grand Rounds, Center State Medical Center, New Jersey. May 1998.
30. "Deep Vein Thrombosis: An Overview with Special Consideration of Low Molecular Weight Heparin." Case Managers Conference, US HealthCare. Pennsylvania. May 1998.
31. "Management of Diabetic Foot Infection." Medical-Podiatry Rounds, New Jersey. June 1998.
32. "Management of Diabetic Foot Infection." Medical Grand Rounds, Orange Memorial Hospital, New Jersey. June 1998.
33. "Venous Insufficiency: Varicose Veins and SEPS." Second Annual Symposium-- Noninvasive Vascular Laboratory: Principles and Practice, New Jersey. September 1998.
34. Moderator; "Venous Disease." The Noninvasive Vascular Laboratory: Principles and Practice. New Jersey. September 1998

**G. INVITED PRESENTATIONS (CONTINUED)**

35. "Vascular Disease." Union County Chapter of Certified Medical Assistants, Springfield, New Jersey. October 1998.
36. "Angioscopy and Intravascular Ultrasound: Clinical Tools or Interesting Toys?" 47<sup>th</sup> Annual Meeting, New Jersey Chapter, American College of Surgeons. New Jersey December 1998.
37. "Management of Leg Ulcers: Arterial and Venous." Nursing Grand Round, Clark Nursing Home, New Jersey. January 1999.
38. "Diabetic Foot Infections." Merck T2 Meeting, Florida. May 1999.
39. "Management of Diabetic Foot Infections." Mountainside Hospital, Department of Family Practice, Grand Rounds, New Jersey. September 1999.
40. "Venous Disease: What every radiologist should know." Radiology Grand Rounds, Saint Barnabas Medical Center, New Jersey. October 1999.
41. "Veins: From Spider Veins to Ulcerations." Mountainside Hospital, Department of Family Practice, Grand Rounds, New Jersey. January 2000.
42. "Venous Disease: What You Really Need to Know." Elizabeth General Hospital, Department of Surgery, Grand Rounds, New Jersey. February 2000.
43. "Endovascular Aortic Aneurysm Repair." Rahway Hospital, Department of Nursing, New Jersey. March 2000.
44. "Peripheral Vascular Disease: Claudication and Limb Salvage." Central New Jersey Primary Care Practitioners Meeting, New Jersey. March 2000.
45. "Outpatient Management of Deep Vein Thrombosis." VISTA Health Care Systems Annual Meeting, New Jersey. May 2000.
46. "Endovascular Aortic Aneurysm Repair." Overlook Hospital, Department of Nursing, New Jersey. May 2000.
47. "Endovascular Aortic Aneurysm Repair." Rahway Hospital, Medical Grand Rounds, New Jersey. May 2000.
48. "Practical Approach to Peripheral Vascular Disease." Overlook Hospital, Continuing Medical Education Program, New Jersey. May 2000.
50. "Management of Venous Disease in a Primary Care Office." Family Practice Grand Rounds, Overlook Hospital, New Jersey. September 2000.

**G. INVITED PRESENTATIONS (CONTINUED)**

51. "Endovascular Aneurysm Repair: Technical Aspects." Mountainside Hospital, Operating Room In-service, New Jersey. September 2000.
52. "Abdominal Aortic Aneurysms: The Basics and Beyond." Family Practice Grand Rounds, Overlook Hospital, New Jersey. February 2002.
53. "Noninvasive Vascular Laboratory: Appropriate Utilization." Overlook Hospital, Family Practice Grand Rounds, New Jersey. January 2001.
54. "Noninvasive Vascular Laboratory: Appropriate Utilization for Arterial Testing." Union County Podiatric Society, New Jersey. May 2001.
55. "The Business of Medicine: How to Evaluate Opportunity." Saint Barnabas Surgical Rounds. New Jersey. June 2001.
56. "Endovascular Abdominal Aortic Aneurysm Repair: Implications for ICU Nursing." Overlook Hospital, New Jersey. July 2001.
57. "Endovascular Abdominal Aortic Aneurysm Repair: Technical Considerations." Clara Maass Medical Center, New Jersey. August 2001.
58. "Endovascular Abdominal Aortic Aneurysm Repair: Operative Nursing Considerations." Saint Barnabas Medical Center, New Jersey. September 2001.
59. "Lower Extremity Arterial Occlusive Disease." Union Hospital Teaching Rounds, Union Hospital, New Jersey. October 2001.
60. "Management of Aortic Aneurysms." Union Hospital Teaching Rounds, Union Hospital, New Jersey. November 2001.
61. "Management of Aortic Aneurysms." Overlook Hospital Grand Rounds, New Jersey. February 2002.
62. "How to Properly Bill and Collect for Vascular Laboratory Investigations." Vascular Society of New Jersey, Englewood, New Jersey. March 2002.
63. "Endovascular Abdominal Aortic Aneurysm Repair: Perioperative Nursing Implications." New Jersey Society of Perioperative Nurse Mangers, Rahway, New Jersey. April 2002.
64. "Working with Medicare Carriers Towards Optimal Utilization of the Vascular Laboratory" Eastern Vascular Society Annual Meeting, Boston. May 2002.

**G. INVITED PRESENTATIONS (CONTINUED)**

65. "Management of Soft Tissue Infections" Saint Barnabas Surgical Residents Dinner, Summit. September 2002.
66. "Management of Diabetic Foot Infections" Saint Michael's' Podiatry Residents Dinner, Newark. December 2002.
67. "Management of Diabetic Foot Infections" South Jersey Podiatry, Cherry Hill, New Jersey. February 2003.
68. "Management of Diabetic Foot Infections" Somerset County Surgical Group, Somerville, New Jersey. March 2003.
69. "Principles of Wound Care" Mountainside Hospital Residents Conference, Montclair, New Jersey. March 2003.
70. "Skin and Soft Tissue Infections" Merck and Company, Madison, New Jersey. April 2003.
71. "The Business of the Vascular Laboratory" Vascular Laboratory Management Conference, New Brunswick, New Jersey. May 2003.
72. "Vascular Emergencies" Internal Medicine Grand Rounds, Overlook Hospital, New Jersey. August 2003.
73. "The Medical Director's Role in Vascular Laboratory Management: Maximizing Reimbursement and Minimizing Denials" Advances in Vascular Imaging, Montefiore Medical Center Conference. New York City. November 2003.
74. "Carotid Artery Disease: The Basics" Family Practice Grand Rounds, Overlook Hospital, New Jersey. April 2004.
75. "Optimizing Vascular Laboratory Reimbursement" Eastern Vascular Society, Philadelphia, Pennsylvania. April 2004.
76. "Regulatory & Reimbursement Issues in the Vascular Laboratory" Ames Phillipone Vascular Symposium, Morristown Memorial Hospital, New Jersey. May 2004.
77. "The Value and Limitations of Involvement on the Carrier Advisory Committee: Is it Worthwhile?" Advances in Vascular Imaging and Diagnosis, Montefiore Medical Center Conference. New York City. November 2004.
78. "Current Treatment of Carotid Artery Disease" Family Practice Grand Rounds, Overlook Hospital, Summit, New Jersey. February 2005.
79. "The Economics of Vein Disease" Philadelphia Vascular Symposium, Philadelphia, Pennsylvania. February 2005.

**G. INVITED PRESENTATIONS (CONTINUED)**

80. "Endovascular treatment of AAAs—a Perspective" Rahway Hospital Grand Rounds; Rahway, New Jersey. March 2005.
81. "Carotid Artery Stenting and Angioplasty" Rahway Hospital Grand Rounds; Rahway, New Jersey. May 2005.
82. "The Fistula First Initiative" Society for Vascular Ultrasound; Annual Meeting. Chicago, Illinois, June 2005.
83. "The Fistula First Initiative" Society for Vascular Surgery; Government Relations Committee, Annual Meeting. Chicago, Illinois, June 2005.
84. "Current Treatment of Peripheral Arterial Disease" Family Practice Grand Rounds, Overlook Hospital, Summit, New Jersey. June 2005.
85. "Taking Care of Our Friends" Schwartz Center Rounds, Overlook Hospital, Summit, New Jersey. September 2005.
86. "Effective Billing Strategies for the Vascular Laboratory" VSNJ 2005 Coding & Management Course; Morristown, New Jersey. September 2005.
87. "The Business of Medicine," Monmouth County Surgical Society; Monmouth Medical Center, New Jersey. November 2005.
88. "The Fistula First Initiative and the Role of the Vascular Lab" Advances in Vascular Imaging and Diagnosis; New York, NY. November 2005.
89. "The Business of Medicine" Rutgers School of Business; Guest Lecturer, Masters of Business Administration Program; Newark, NJ. April 2006.
90. "The Fistula First Initiative: The Role of the Vascular Lab" Society for Vascular Ultrasound, Annual Meeting, Philadelphia, PA. June 2006.
91. "The New DOQI Guidelines and the Fistula First Breakthrough Initiative" Society for Vascular Ultrasound, Annual Meeting, Philadelphia, PA. June 2006.
92. "Vascular Surgery" Overlook Hospital Foundation Board, Summit, NJ. September 2006.
93. "Fiscal Viability of the Vascular Laboratory" Eastern Vascular Society Annual Meeting, Philadelphia, PA. September 2006.

**G. INVITED PRESENTATIONS (CONTINUED)**

94. "Fistula First Breakthrough Initiative: Progress Report" FFBI Semi-Annual Meeting, Philadelphia, PA. October 2006.
95. "Where are we with the Fistula First Initiative?" Advances in Vascular Imaging and Diagnosis; New York, NY. November 2006.
96. "What's New In Vascular Surgery" Heritage Society; Overlook Hospital; Springfield, New Jersey November 2006.
97. "Quality measurement in arteriovenous access" Trends in Vascular Surgery; 31<sup>st</sup> Annual Northwestern Vascular Symposium; Chicago, Illinois December 2006.
98. "The Business of Medicine" University of Medicine & Dentistry of New Jersey; Medical Student Second Year Class Curriculum; Newark, NJ; February 2007.
99. "Techniques and Developments in Vascular Surgery" Moderator, 16<sup>th</sup> Annual Pennsylvania Hospital Vascular Symposium; Philadelphia, PA; March 2007.
100. "Changing Practice Patterns: The Value of a Venous Practice" 16<sup>th</sup> Annual Pennsylvania Hospital Vascular Symposium; Philadelphia, PA; March 2007.
101. "Fistula First Breakthrough Initiative: How Can I Expect It to Impact My Practice?" Society for Vascular Surgery, Annual Meeting Baltimore, MD; June 2007
102. "Fistula First Breakthrough Initiative: Clinical Practice Task Force Progress Report" FFBI Semi-Annual Meeting, Baltimore, MD June 2007.
103. "Fistula First Breakthrough Initiative" Government Relations Session, Society for Vascular Ultrasound, Annual Meeting, Baltimore, MD. June 2007.
104. "Hemodialysis Access Configurations" Hemodialysis Access Session, Society for Vascular Ultrasound, Annual Meeting, Baltimore, MD. June 2007.
105. "Varicose Vein Treatment Options" Perspectives in Vascular Nursing 2007 Symposium, Parsippany, New Jersey. September 2007.
106. "IVC Filters: Evidence-Based Decision Making" Medical Evidence-Based Grand Rounds, Dept of Medicine; Overlook Hospital, Summit, NJ October 2007.
107. "Fistula First Update", Society for Vascular Ultrasound, Current Issues Meeting, Arlington, VA. November 2007.
108. "Techniques for Creation of AV Fistulas in Morbidly Obese Patients", VEITH Symposium, New York, NY. November 2007.

**CLIFFORD M. SALES, MD, MBA**

*Page Twenty Three*

**G. INVITED PRESENTATIONS (*CONTINUED*)**

109. "Update on Fistula First and What It Means for the Vascular Lab", AVID Sympoisum, New York, NY. November 2007.
110. "How to Optimize the Value of a Venous Practice", VEITH Sympoisum, New York, NY. November 2007.

**H. CHAIRMANSHIPS**

1. Symposium Chairperson. The Noninvasive Vascular Laboratory: Principles and Practice. The Parsippany Hilton, New Jersey. September 1997.
2. Symposium Chairperson. The Noninvasive Vascular Laboratory: Principles and Practice. The Hanover Marriott, New Jersey. September 1998.
3. Symposium Chairperson. The Noninvasive Vascular Laboratory: Principles and Practice. Headquarters Plaza Hotel, New Jersey. September 2000.
4. Symposium Chairperson. The Noninvasive Vascular Laboratory: Principles and Practice. Headquarters Plaza Hotel, New Jersey. September 2003.
5. Symposium Chairperson. Coding and Practice Management for the Vascular Surgeon. Vascular Society of New Jersey. Headquarters Plaza Hotel, New Jersey. September 2004.
6. Conference Leader. Fistula First Breakthrough Initiative. Center for Medicare and Medicaid Services. Baltimore, September 2005.
7. Symposium Chairperson. 5<sup>th</sup> Noninvasive Vascular Laboratory Symposium. Morristown Hyatt, New Jersey. October 2006.
8. Symposium Chairperson. 6<sup>th</sup> Noninvasive Vascular Laboratory Symposium. Parsippany Hilton, New Jersey. September 2007.
9. Symposium Chairperson. Perspectives in Vascular Nursing 2007 Symposium. Parsippany Hilton, New Jersey. September 2007.

**I. VIDEO PRODUCTIONS**

1. Sales CM. Introductory Angioscopy, Montefiore Medical Center, 1991.
2. Sales CM. Applications of Angioscopy in Vascular Surgery, Advisions, Inc, New York, 1992.
3. Sales CM. Rutgers Business School: 75 years. Lions Eye Productions, LLC. New Jersey, 2005.
4. Sales CM. TV-12 News, Vascular Surgery Roundtable Discussion, April 2005.
5. Sales CM. WFAN. Abdominal Aortic Aneurysms, May 2005.
6. Sales CM. Abdominal Aortic Aneurysms: A Silent Killer, *Introduction*. Information Television Network, 2006.