

Michael Ian Rose, MD
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EDUCATION

Emory University School of Medicine, Atlanta, GA; Resident in Plastic Surgery, June 2000-2002.

NYU Medical Center, New York, NY; Resident in General Surgery, June 1994 to 1999.
Chief Resident and Executive Chief Resident 1999-2000.

NYU School of Medicine, New York, NY; MD May, 1994.

Skidmore College, Saratoga Springs, NY; BA May, 1990. **Major:** Biology-Chemistry.
Honors: All-College Honors, Departmental Honors. Member: Periclean Honor Society.

PROFESSIONAL EXPERIENCE

2002-Present: Private Practice at The Plastic Surgery Center, Shrewsbury NJ

2014-Present: Chief, Division of Plastic Surgery, Jersey Shore University Medical Center, Neptune, NJ

HOSPITAL AFFILIATIONS

2002-Present: Monmouth Medical Center, Long Branch NJ

2002-Present: Jersey Shore University Medical Center, Neptune NJ
Chief of the Division of Plastic Surgery

2002-Present: Ocean Medical Center, Brick NJ

2002-Present: CentraState Medical Center, Freehold, NJ

2002-Present: Riverview Medical Center, Red Bank, NJ

2023-Present: Ohio Valley Surgical Hospital, Springfield, OH

ACKNOWLEDGMENTS

2006-2024 Selected: Best Doctor New York Metro Area – Castle Connolly

2004 Member: American Society of Plastic Surgeons (ASPS)

2004 Fellow of the American College of Surgeons (FACS)

2003 Diplomate of The American Board of Plastic Surgery (Recertified in 2011 and 2021)

2001 Diplomate of The American Board of Surgery (Recertified in 2010 and 2020)

2000 Theodore Barnett Memorial Teaching Award: For Teaching Excellence in Surgery by a House Officer.

1993 Best Medical Student Presentation: For work presented at the 1993 Society for Academic Emergency Medicine meeting.

1990 B.F. Goodrich-Waldo Semon Undergraduate Research Award: For the best original chemistry research in the country at the undergraduate level.

1990 Charlotte W. Fahey Chemistry Award: For outstanding senior chemistry student.

1990 Periclean Scholar Award: For outstanding senior thesis.

1986 CRC Press Freshman Chemistry Award: For outstanding freshman chemistry student.

ACADEMIC APPOINTMENTS

January 2018-Present: Assistant Clinical Professor, Hackensack Meridian School of Medicine, South Orange, NJ.

July 1999 – June 2000: Clinical Instructor, NYU School of Medicine, New York, NY.

July 1994 – June 1999: Teaching Assistant in Surgery, NYU School of Medicine, New York, NY.

RESEARCH

June 1997 - August 1998: Pancreatic Organogenesis and Oncogenesis research with George K. Gittes, MD and Michael T. Longaker, MD investigating the processes underlying pancreatic development and how this relates to oncogenic transformation.

October 1991 - August 1992: Cardiopulmonary resuscitation research with Norman Paradis, MD investigating: 1) Non-conventional methods of CPR and 2) *In-vivo* hormone production during cardiac arrest, and resuscitation.

June 1991 - September 1991: Trauma research project with Norman Paradis, MD investigating predictors of significant injury with penetrating trauma.

January 1989 - May 1990: Organic Chemistry research with Raymond J. Giguere, Ph.D. investigating novel, synthetic routes to biologically active bicyclic ring systems from acyclic precursors.

PUBLICATIONS

Hansalia R, **Rose MI**, Martins CP, Rossi K. Complete Pocket Resection with Regional Flap Closure for Treatment of Cardiac Implantable Device Infections. *Plast Reconstr Surg Glob Open*. 2019; 7(5):e2204.

Chang EI, **Rose MI**, Rossi K, Elkwood AI. Microneurosurgical treatment options in peripheral nerve compression syndromes after chemotherapy and radiation treatment. *J Surg Oncol*. 2018; 118(5):793.

Elkwood A, **Rose M**, Kaufman M, et al. Shoulder Subluxation Pain as a Secondary Indication for Trapezius to Deltoid Transfer. *J Brachial Plex Peripher Nerve Inj*. 2018:e20.

Pontell ME, Saad N, Brown A, **Rose M**, Ashinoff R, Saad A. Single Stage Nipple-Sparing Mastectomy and Reduction Mastopexy in the Ptotic Breast. *Plast Surg Int*. 2018; 2018:9205805.

Elkwood AI, Schneider LF, **Rose MI**. Lower Extremity. In: Elkwood AI, Kaufman MR, Schneider LF, editors. *Rehabilitative Surgery*. Switzerland: Springer International Publishing; 2017.

Polonet D, **Rose MI**, Brown DJ. Amputation Versus Limb Salvage of the Lower Extremity. In: Elkwood AI, Kaufman MR, Schneider LF, editors. Rehabilitative Surgery. Switzerland: Springer International Publishing; 2017.

Elkwood AI, Kozusko SD, Patel TR, et al [Including **Rose MI**]. The bony anchoring reinforcement system (BARS) for flank hernia repair: a versatile technique. Eur J Plast Surg. 2017;40(4):315.

Cece JA, **Rose MI**, Schneider LF. Technical Modifications to Prevent Massive Hemothorax Following Sternal Plating. J Card Surg. 2015;30(9):691.

Elkwood AI, Ashinoff RL, Kaufman MR, et al [Including **Rose MI**]. Using pedicled TRAM flap in conjunction with the bony anchoring reinforcement system (BARS) for abdominal wall reconstruction. Eur J Plast Surg. 2014;37(7):381.

Elkwood AI, Borao FJ, Ashinoff RL, et al [Including **Rose MI**]. Complex incisional hernias repaired in conjunction with the Bony Anchoring Reinforcement System (BARS) prevents hernia recurrence. Eur J Plast Surg. 2014;37(8):431.

Kaufman MR, Elkwood AI, Colicchio AR, et al [Including **Rose MI**]. Functional Restoration of Diaphragmatic Paralysis: An Evaluation of Phrenic Nerve Reconstruction. Ann Thorac Surg. 2014;97:260.

Kaufman MR, Elkwood AI, **Rose MI**, et al. Surgical Treatment of Permanent Diaphragm Paralysis After Interscalene Nerve Block for Shoulder Surgery. Survey of Anesthesiology. 2014;58(1):49.

Kaufman MR, Elkwood AI, **Rose MI**, et al. Surgical treatment of permanent diaphragm paralysis after interscalene nerve block for shoulder surgery. Anesthesiology. 2013;119(2):484.

Kaufman MR, Willekes LJ, Elkwood AI, et al [Including **Rose MI**]. Diaphragm paralysis caused by transverse cervical artery compression of the phrenic nerve: the Red Cross syndrome. Clin Neurol Neurosurg. 2012;114(5):502.

Kaufman MR, Elkwood AI, **Rose MI**, et al. Reinnervation of the paralyzed diaphragm: application of nerve surgery techniques following unilateral phrenic nerve injury. Chest. 2011;140(1):191.

Elkwood AI, Holland NR, Arbes SM, et al [Including **Rose MI**]. Nerve allograft transplantation for functional restoration of the upper extremity: case series. J Spinal Cord Med. 2011;34(2):241.

Elkwood AI, **Rose MI**, Kaufmann MR, et al. The diagnosis and treatment of bilateral suprascapular nerve compressions. Plast Reconstr Surg. 2010;126(6):315e.

Elkwood AI, Kaufman MR, **Rose MI**, et al. Nerve Allograft Transplantation for Functional Restoration of the Upper Extremity. Plast Reconstr Surg. 2006; 118(10).

Rose MI, Rosson GD, Elkwood AI, Dellon AL. Thalidomide-induced neuropathy: treatment by decompression of peripheral nerves. Plast Reconstr Surg. 2006;117(7):2329.

Rose MI, Brown DC, Pellis NR, et al. Effects of microgravity on the embryonic pancreas. In Vitro Cell Dev Biol Anim. 1999;35(10):560.

Crisera CA, Connelly PR, Marmureanu AR, et al [Including **Rose MI**]. TTF-1 and HNF-3 beta in the developing tracheoesophageal fistula: further evidence for the respiratory origin of the distal esophagus'. J Pediatr Surg. 1999;34(9):1322.

Rose MI, Maldonado TS, Grau JB, et al. Laminin Exposure Defines a Critical Time Window for Pancreatic Duct Differentiation from Undifferentiated Pancreatic Precursor Cells. Surgical Forum. 1999.

Rose M, Crisera C, Colen K, Connelly P, Longaker M, Gittes G. Epithelio- Mesenchymal Interactions in the Developing Mouse Pancreas: Morphogenesis of the Adult Architecture. J Pediatr Surg. 1999; 34:774.

Crisera CA, **Rose MI**, Connelly PR, et al. The ontogeny of TGF-beta1, -beta2, -beta3, and TGF-beta receptor-II expression in the pancreas: implications for regulation of growth and differentiation. J Pediatr Surg. 1999;34(5):689-93; discussion 93.

Colen KL, Crisera CA, **Rose MI**, Connelly PR, Longaker MT, Gittes GK. Vascular development in the mouse embryonic pancreas and lung. J Pediatr Surg. 1999;34(5):781.

Crisera CA, Connelly PR, Marmureanu AR, et al [Including **Rose MI**]. Esophageal atresia with tracheoesophageal fistula: suggested mechanism in faulty organogenesis. J Pediatr Surg. 1999;34(1):204.

Crisera C, Connelly P, Marmureanu A, et al [Including **Rose MI**]. Organogenesis of Tracheo-Esophageal Fistula: Respiratory Origin of the Distal Esophagus. Surgical Forum. 1999.

Crisera CA, Connelly PR, **Rose MI**, et al. Laminin in the Developing Pancreas – Implications for Exocrine and Endocrine Pancreatic Differentiation. Surgical Forum. 1998.

Marmureanu AR, **Rose MI**, Crisera CA, et al. Introduction Of Genes Into The Embryonic Mouse Pancreas. Surgical Forum. 1998.

Gittes GK, **Rose MI**, Brown DC, et al. Microgravity Culture of the Embryonic Mouse Pancreas Surgical Forum. 1998.

Brown DC, **Rose MI**, Pellis N, et al. Microgravity Culture Of The Embryonic Mouse Kidney. Surgical Forum. 1998.

Paradis NA, Balter S, Davison CM, Simon G, **Rose M**. Hematocrit as a predictor of significant injury after penetrating trauma. Am J Emerg Med. 1997;15(3):224.

Rose M, Gouge T. What Are The Indications For Conservative Therapy of Peptic Esophageal Stenosis? In: Giuli R, editor. The Oesophagogastric Junction. London: John Libby; 1997.

Rose MI, Dicker MA, Gouge TH. Factitious gastrointestinal bleeding: a case of autophlebotomy and ingestion. *Am J Gastroenterol.*1996;91(7):1457.

Rose M, Paradis N. Electrocution. In: Paradis N, editor. *Cardiac Arrest: The Science and Practice of Resuscitation Medicine*: Williams & Wilkins; 1996. p. 830.

Paradis NA, **Rose MI**, Gawryl MS. Aortic perfusion and oxygenation: an effective adjunct to external chest compression-based cardiopulmonary resuscitation. *J Am Coll Cardiol.* 1994;23(2):497.

Paradis N, **Rose M**, Utam G. The effects of global ischemia and reperfusion on the plasma levels of vasoactive peptides. The neuroendocrine response to cardiac arrest and resuscitation. *Resuscitation.*1994;26:261.

Giguere R, Tassely S, **Rose M**, Krishnamurthy K. Diastereoselectivity and Regiocontrol in Intramolecular Allyl Cation Cycloadditions: Selective Formation of [3+2] or [3+4] Cycloadducts. *Tetrahedron Letters.*1990;31.

Rose MI, Raymond JG. Separation of E,E and E,Z Isomers of Triene-Ester 2a,b. An Application Note published by Analtech, Inc., Newark, DE, 1989.

INVITED LECTURES & PRESENTED PAPERS

Oct. 2018 Elkwood AI, **Rose MI**. Rehabilitative Surgery: A New Framework for Understanding, Coordinating and Providing Treatment. Presented at The American Congress of Rehabilitative Medicine (ACRM), Dallas, TX.

Sept. 2018 **Rose MI**. Peripheral Neuropathy: New Optimism for a challenging old problem. Presented at The 2018 Connecting Care Symposium, Eatontown, NJ.

Sept. 2017 **Rose MI**. Multidisciplinary Approach to Lower Extremity Traumatic Injuries: From Skin to Bones and Everything in Between. Presented at The 2017 Connecting Care Symposium, New Brunswick, NJ.

Sept. 2017 **Rose MI**. Treatment of chemotherapy-induced neuropathic pain by decompression of peripheral nerves: New hope for a debilitating condition. Presented at The Memorial Sloan Kettering Cancer Center 2017 Interventional Cancer Pain Symposium, New York, NY.

Oct. 2006 Elkwood AI, Kaufman MR, **Rose MI**, et al. Nerve Allograft Transplantation for Functional Restoration of the Upper Extremity. Presented at The 2006 Annual Meeting of The American Society of Plastic Surgeons, San Francisco, CA.

Oct. 2005 **Rose MI**, Elkwood AI. Nerve Transplantation: An Update (Abstract 5). Presented at the 2005 Institute of Peripheral Nerve Surgery Fellowship Meeting, Las Vegas, NV.

- Oct. 2005* **Rose MI**, Elkwood AI, Gedge D et al. Thalidomide-induced neuropathy: Treatment by decompression of peripheral nerves (Abstract 4). Presented at the 2005 Institute of Peripheral Nerve Surgery Fellowship Meeting, Las Vegas, NV.
- Oct. 2004* **Rose MI**, Elkwood AI. Nerve Transplantation (Abstract 8). Presented at the 2004 Institute of Peripheral Nerve Surgery Fellowship Meeting, Las Vegas, NV.
- Apr. 2002* **Rose MI**, Nahai F, Codner MA et al. Cosmetic Surgery in an Office-Based Ambulatory Surgicenter: Is it safe? Presented at The 2002 Annual Meeting of ASAPS & ASERF, Las Vegas, NV.
- Oct. 1999* **Rose MI**, Maldonado TS, Grau JB, et al. Laminin Exposure Defines a Critical Time Window for Pancreatic Duct Differentiation from Undifferentiated Pancreatic Precursor Cells. Presented at The Surgical Forum at the 1999 Clinical Congress of the American College of Surgeons. San Francisco, CA.
- Oct. 1998* Breslow GD, Crisera CA, Connelly PR et al. (Including **Rose MI**). Laminin in the Developing Pancreas – Implications for Exocrine and Endocrine Pancreatic Differentiation (Abstract X 478). Presented at The Surgical Forum at the 1998 Clinical Congress of the American College of Surgeons, Orlando, FL.
- Oct. 1998* Crisera CA, Connelly PR, Marmureanu AR, et al. (Including **Rose MI**). Organogenesis of Tracheo-Esophageal Fistula: Respiratory Origin of the Distal Esophagus (Abstract VII 275). Presented at The Surgical Forum at the 1998 Clinical Congress of the American College of Surgeons, Orlando, FL.
- Oct. 1998* Marmureanu AR, **Rose MI**, Crisera CA, et al. Introduction Of Genes Into The Embryonic Mouse Pancreas (Abstract XI 566). Presented at The Surgical Forum at the 1998 Clinical Congress of the American College of Surgeons, Orlando, FL.
- Oct. 1998* Gittes GK, **Rose MI**, Brown DC, et al. Microgravity Culture of the Embryonic Mouse Pancreas (Abstract XI 573). Presented at The Surgical Forum at the 1998 Clinical Congress of the American College of Surgeons, Orlando, FL.
- Oct. 1998* Brown DC, **Rose MI**, Pellis NR, et al. Microgravity Culture Of The Embryonic Mouse Kidney (Abstract XVII 762). Presented at The Surgical Forum at the 1998 Clinical Congress of the American College of Surgeons, Orlando, FL.
- Oct. 1998* Crisera CA, Connelly PR, Marmureanu AR, et al. (Including **Rose MI**). TGF- α 1, α 2, α 3 and TGF- β Receptor II Expression in the Developing Pancreas – Implications for Regulation of Pancreatic Development (Abstract #9). Presented at The 1998 Meeting of the Surgical Section of the American Academy of Pediatrics, San Francisco, CA.
- Oct. 1998* Colen KL, Crisera CA, **Rose MI**, et al. Vascular Development In The Mouse Embryonic Pancreas And Lung (Abstract #P3). Presented at The 1998 Meeting of the Surgical Section of the American Academy of Pediatrics, San Francisco, CA.
- Oct. 1998* **Rose MI**, Crisera CA, Colen KL, et al. Epithelial-mesenchymal interactions in the

developing mouse pancreas: new insights into an old question (Abstract #24). Presented at The 1998 Meeting of the Surgical Section of the American Academy of Pediatrics, San Francisco, CA.

- Oct. 1998* Gittes GK, **Rose MI**, Brown DC, et al. Microgravity Culture of the Embryonic Mouse Pancreas (Abstract #25). Presented at The 1998 Meeting of the Surgical Section of the American Academy of Pediatrics, San Francisco, CA.
- May 1998* Crisera CA, Connelly PR, Marmureanu, et al. (Including **Rose MI**). Esophageal Atresia/Tracheo-Esophageal Fistula: Mechanism in Faulty Organogenesis (Abstract No. 27). Presented at The Spring 1998 Meeting of the American Pediatric Surgical Association, Hilton Head, SC.
- Apr. 1998* **Rose MI**, Connelly PR, Crisera CA, Gittes GK. New Insights Into Pancreatic Epithelio-Mesenchymal Interactions (Abstract No. 001). Presented at The Spring 1998 Boston-Ithaca Islet Club Meeting, Cambridge, MA.
- Apr. 1998* Crisera CA, Connelly PR, **Rose MI**, Gittes GK. TGF- β and Laminin Expression in the Developing Pancreas (Abstract No. 004). Presented at The Spring 1998 Boston-Ithaca Islet Club Meeting, Cambridge, MA.
- Sept. 1996* **Rose MI**, Gouge TH. What Are The Indications For Conservative Treatment of Peptic Stenosis? (Abstract No. 057). Presented at The 5th World Congress of OESO, Paris, France.
- Sept. 1993* **Rose MI**, Paradis NA, Garg U, Blucher ML, Balter SE. Endogenous Vasopressin During Cardiac Arrest and Reperfusion: The Neurohypophysial Response to Global Ischemia (Abstract No. 663). Presented at The 1993 Annual EMRS/SAEM Combined Meeting, Cambridge, U.K.
- Sept. 1993* Blucher ML, Paradis NA, **Rose MI**, Balter SE. The Effect of Hypocarbic Hyperventilation on The Pressor Response to Epinephrine During Cardiac Arrest: The Hemodynamics of CPR Endogenous Vasopressin (Abstract No. 661). Presented at The 1993 Annual EMRS/SAEM Combined Meeting, Cambridge, U.K.
- Sept. 1993* Paradis NA, **Rose MI**, Gawryl MS. Selective Aortic Occlusion and Oxygenation as an Adjunct to External Chest Compression Based Cardiopulmonary Resuscitation The Effect of Hypocarbic (Abstract No. 666). Presented at The 1993 Annual EMRS/SAEM Combined Meeting, Cambridge, U.K.
- Sept. 1993* Balter SE, Paradis NA, Blucher ML, **Rose MI**. The Diagnostic Utility and Predictive Value of Changes in Hematocrit After Penetrating Trauma (Abstract No. 664). Presented at The 1993 Annual EMRS/SAEM Combined Meeting, Cambridge, U.K.
- Sept. 1993* **Rose MI**, Paradis NA, Garg U, Blucher ML, Balter SE. The Effect of Global Ischemia and Reperfusion on The Plasma Levels of Endogenous Vasoactive Peptides (Abstract No. 026). Presented at The 1993 Annual EMRS/SAEM Combined Meeting, Cambridge, U.K.

- Sept. 1993* **Rose MI**, Paradis NA, Garg U, Blucher ML, Balter SE. Endogenous Angiotensin-II During Cardiac Arrest and Reperfusion (Abstract No. 659). Presented at The 1993 Annual Combined EMRS/SAEM Combined Meeting, Cambridge, U.K.
- Sept. 1993* **Rose MI**, Paradis NA, Garg U, Blucher ML, Balter SE. Endogenous Angiotensin-II During Cardiac Arrest and Reperfusion (Abstract No. 160). Presented at The 1993 Annual Meeting of The Society For Academic Emergency Medicine, San Francisco, CA.
- May 1993* **Rose MI**, Paradis NA, Garg U, Blucher ML, Balter SE. The Effect of Global Ischemia and Reperfusion on The Plasma Levels of Endogenous Vasoactive Peptides (Abstract No. 662). Presented at The 1993 Annual Meeting of The Society For Academic Emergency Medicine, San Francisco, CA.
- Nov. 1992* Paradis NA, **Rose MI**, Pryor MP, Montella S. Selective Aortic Occlusion and Oxygenation Improves Coronary Perfusion Pressure During CPR and Advanced Cardiac Life Support (Abstract No. 2177). Presented at the 1992 American Heart Association 65th Scientific Sessions, New Orleans, LA.
- Aug, 1990* Giguere RJ, Tassely SM, **Rose MI**. Diastereoselectivity and Regiocontrol in Intramolecular Allyl Cation Cycloadditions (Abstract No. 193). Presented at the 200th National Meeting of the American Chemical Society, Washington, DC.
- Apr. 1990* **Rose MI**, Tassely SM, Giguere RJ. Stereoselective Intramolecular Allyl Cation Cycloadditions (Abstract CHM 087). Presented at the Fourth National Conference on Undergraduate Research, Union College, Schenectady, NY.
- Apr. 1990* **Rose MI**, Tassely SM, Giguere RJ. Stereoselective Intramolecular Allyl Cation Cycloadditions: A Novel, Diastereoselective Route to Hydroazulenes. Presented at the 1990 Semon Undergraduate Chemistry Research Symposium, Kent State University, Kent, Ohio.
- June 1989* Giguere RJ, Baily EA, Tassely SM, **Rose MI**. Hydroazulene Synthesis Via Intramolecular Allyl Cation Cycloaddition (Abstract No. 188). Presented at the Nineteenth Northeast Regional Meeting of the ACS, Albany, NY.
- Apr. 1989* **Rose MI**, Tassely SM, Giguere RJ. Hydroazulene Synthesis via Intramolecular [3+4] Allyl Cation Cycloaddition (Abstract No. 018). Presented at the Eastern New York Section of the ACS Undergraduate Chemistry Research Symposium, Skidmore College, Saratoga Springs, NY.

ACTIVE RESEARCH PROTOCOLS

Meridian

Sub Investigator

1. Lymphedema Surgery for Secondary Lymphedema.
2. Repair of Complex Incisional Hernias with The Bony Anchor Reinforcement System (BARS).

3. Intercostal Nerve Transfer to Restore Protective Sensibility in SCI Patients.
4. Nerve Graft Transplantation Using Allograft/Autograft for the Functional Restoration of Extremities in Paraplegics after SCI, CNS Insult or Stroke.
5. Tendon Transfer for Foot Drop Correction.
6. Trapezius to Deltoid Transfer
7. Evaluation of the motor nerve innervation of the corrugator supercilii

Monmouth

Sub Investigator

1. Nerve Allograft Transplantation for Functional Restoration of the Upper or Lower Extremity
2. Nerve transfer after CNS Insult for Restoration of Extremity Function.
3. Lymphedema Surgery for Secondary Lymphedema.

GENERAL

Born: September 29, 1968 in New York, NY.

Professional affiliations:

Fellow of the American College of Surgeons, 2004

American Society of Plastic Surgeons, 2004

Member: Monmouth Surgical Society

Member: New Jersey Plastic Surgery Society

Member,: Medical Society of New Jersey

Hobbies: I am a Private Pilot, and also enjoy Skiing, SCUBA, Sculpting and Playing Drums and Bass Guitar.

Licensed to practice medicine in:

New Jersey (#25MA07369000) New York (#201483) Georgia (#048936) Louisiana (#334376) Florida (#ME130550) and Ohio (35.146583)