

CURRICULUM VITAE

MIHYE CHOI, MD

PRESENT TITLE: Assistant Professor
Division of Plastic Surgery
Department of Surgery
New York University School of Medicine
New York, NY

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Suite 8Y
New York, NY 10016

Institute of Reconstructive Plastic Surgery
New York University Medical Center
550 First Ave
New York, NY 10016

UNDERGRADUATE EDUCATION:

9/80-5/83 Bachelor of Science
Lehigh University
Bethlehem, Pennsylvania
Major in Biology
Minor in Fine Arts

HONORS: Magna Cum Laude;1983

Phi Beta Kappa;1982

Dean's List;1980-1983

Phi Eta Sigma Honor Society;1980

GRADUATE EDUCATION:

9/83-5/87 Doctor of Medicine
University of Rochester
School of Medicine and Dentistry
Rochester, New York

POSTGRADUATE TRAINING:

6/87-6/90 General Surgery Residency
Beth Israel Hospital
Harvard Medical School
330 Brookline Ave
Boston, Massachusetts

7/90-6/92 Research Fellowship
Massachusetts General Hospital
Shriners Burns Institute
Harvard Medical School
Fruit Street
Boston, Massachusetts

7/92-6/95 Plastic Surgery Residency
Mount Sinai Medical Center
Mount Sinai Medical School
One Gustave L. Levy Place
New York, New York

7/1995-6/1996 Hand Surgery Fellowship
New York University Medical Center
NYU Medical School
550 First Ave
New York, New York

ACADEMIC POSITIONS

8/1998-PRESENT Assistant Professor
Division of Plastic Surgery
Department of Surgery
New York University School of Medicine
New York, NY

7/1996-7/1998 Assistant Professor
Director, Hand Surgery
Division of Plastic Surgery
Department of Surgery
University of Medicine and Dentistry of New Jersey
Robert Wood Johnson Medical School
New Brunswick, NJ

HOSPITAL APPOINTMENTS

8/1998-PRESENT Attending Physician
NYU Medical Center
New York, NY

8/1998-PRESENT Attending Physician
Bellevue Hospital
New York, NY

12/1997-7/1998 Attending Physician
UMDNJ-RWJ Med. Center
New Brunswick, NJ

12/1997-7/1998 Attending Physician
St. Peter's Medical Center
New Brunswick, NJ

1/1998-7/1998 Attending Physician
The Cancer Institute of New Jersey
New Brunswick, NJ

LICENSURE: State of New Jersey: 63921
State of New York: 184202-1

CERTIFICATION: American Board of Plastic Surgery, 1998
Certificate of Added Qualification in Hand Surgery; 2000

PROFESSIONAL ORGANIZATIONS:

American College of Surgeons: Fellow

The American Society of Plastic and Reconstructive Surgeons: Member

American Society for Surgery of the Hand: Member

Northeastern Society of Plastic Surgeons: Member

Association of Women Surgeons: Member

New York Hand Society: Member

American Society of Peripheral Nerve: Member

TEACHING RESPONSIBILITIES

1998-PRESENT

Lecture: “ The Reconstructive Ladder” to the 3rd year medical students in the Core Surgery Curriculum

Workshop: Informal suturing sessions with medical students

Lecture at the Upper Extremity Conference: Brachial Plexus Injury, Nerve Injury and Repair

New Patient Resident Clinic at Tisch Hospital

Attending Surgeon at Hand Clinic, Bellevue Hospital

Brachial Plexus/ Peripheral Nerve Conference at IRPS

1996-1998

UMDNJ - Robert Wood Johnson Medical School, NJ: Preceptor and Lecturer

CURRENT RESEARCH PROJECTS

Management of the ischemic hand in Scleroderma patients with vascular bypass and digital sympathectomy and developing a treatment algorithm

Outcome analysis of breast reduction patients using 3D imaging technique

Outcome analysis of breast augmentation patients using 3D imaging technique

Outcome analysis of breast reconstruction patients using 3D imaging technique

Scar minimizing for breast reconstruction patients using vertical mammoplasty incision

Areolar sparing mastectomy and outcome of breast reconstruction

New technique of nipple reconstruction using contra-lateral nipple

Partial mastectomy reconstruction using mastopexy techniques in macromastia patients

Serratus anterior flap coverage of tissue expanders in immediate breast reconstruction

Efficacy of intraoperative topical sensorcaine use in limiting postoperative narcotic consumption in patients undergoing breast reconstruction

BIBLIOGRAPHY

BOOK CHAPTERS

- Hausman, Drobner, and **Choi**: Fractures and Dislocations in the Hand. Grabb and Smith's Plastic Surgery, 5th edition, Lippincott-Raven, 1997
- Choi**: Case Studies: Breast Reconstruction. Expert Consultations in Breast Cancer. Hait WN, August DA, Haffty, BG (eds). Marcel Dekker, Inc, pp412-414; 1999
- Chiu, Dellon, and **Choi**: Nerve Physiology and Repair. *Hand Surgery Update, Third Edition*; 2004
- Panozzo and **Choi**: Scar and contracture. Current Therapy in Plastic Surgery. McCarthy J, Galiano R, Boutros S(eds). Harcourt (*in press*)
- Court and **Choi**: Dupuytren's contracture. Current Therapy in Plastic Surgery. McCarthy J, Galiano R, Boutros S(eds). Harcourt (*in press*)
- Choi** and Chiu: Nerve Injury and Repair. Techniques in Orthopedic Surgery. Trumble (ed). Elsevier; 2005
- Sharma and **Choi**: Congenital Hand. Grabb and Smith's Plastic Surgery, 6th edition, Lippincott-Raven (*in preparation*)

ORIGINAL ARTICLES IN JOURNALS

- Choi M** and Ehrlich HP. U75412E, a Lazaroid, Prevents Progressive Burn Ischemia in a Rat Burn Model. *American Journal of Pathology* 1993, 142:519-528.
- Copeland M, **Choi M** and Bleiweiss IJ. Silicone Breakdown and Capsular Synovial Metaplasia in Textured-Wall Saline Breast Prostheses. *Plastic and Reconstructive Surgery*, 1994, 94(5):628-633.

Choi M, Rabb H, Arnaout MA, and Ehrlich HP. Preventing the Infiltration of Leukocytes by Monoclonal Antibody Blocks the development of Progressive Ischemia in Rat Burns. *Plastic and Reconstructive Surgery* 1995, 96(5):1177-1185.

Choi M, Hirigoyen M, Zhang W, Silver L and Chun J. Increased Patency Of Artificial Microvascular Grafts Using Arterio-Venous Fistula Loops: A Two-Stage Procedure For Lengthening The Pedicle Of Free Tissue Transfers. *Journal of Reconstructive Microsurgery* 1996, 12(5):283-290.

Cabrera R, **Choi M**, Kulber D and Grossman J. Selective Neurectomy in the treatment of Spastic Hemiplegia: An Anatomic Study of Median and Ulnar Nerve Branching Patterns. *Plastic Surgery Forum*, 1996, 65:80-81

Shumway S, Panasci D, **Choi M**, Abbott R, Crawford B, Grossman J.A.I. Brachial Plexus Compression Due to Hereditary Multiple Exostoses. A Case Report. *Acta Neuropedr* 1996;2:186-190.

Choi M, Wey PD, Borah GL. Pediatric Peripheral Neuropathy in Proteus Syndrome. *Ann Plast Surg* 1998;40:528-532

Wey PD, De La Cruz C, Goydos JS, **Choi M**, Borah GL. Sentinel lymph node mapping in melanoma of the ear. *Ann Plast Surg* 1998;40:506-509

Weiss RE, Brogle BN, Ravikumar TS, **Choi M**, Cummings KB. Total pelvic exenteration and reconstruction for locally invasive recurrent sarcoma of the perineum. *Tech Urol*. 2000 Mar; 6(1):42-5

Gutowski KA, Chu J, **Choi M**, Friedman DW. High Pressure Hand Injection Injuries Due to Solvents Used in Garment Dry Cleaning: Case Reports and Treatment Guidelines. *J. Hand SurgeryPlast Reconstr Surg*. 2003 Jan;111(1):174-7. Review

Flores RL, Levine JP, Mehrara B, Rinker B, Karp NS, **Choi M**. Long Single-Anastomosis Saphenous Vein Arteriovenous Loops and Delayed Free Flap Placement for the Repair of Large, Chronic Lumbosacral Defects. Accepted, *Ann Plast Surg*

Alfred Culliford IV MD, Jason Spector MD, Otway Louie MD, Roberto Flores MD, Mihye Choi MD, Nolan Karp MD Efficacy of Intraoperative Topical Sensorcaine Use in Limiting Postoperative Narcotic Consumption in Patients Undergoing Outpatient Reduction Mammoplasty

Tepper OT, Small K, Rudolph L, **Choi M**, Karp NS. Virtual 3-Dimensional modeling as a valuable adjunct to aesthetic and reconstructive breast surgery. *Am. J. Surg*. 2006, 192:548-551.

INVITED SPEAKER

Peripheral Nerve Repair: the 2003 Hand Surgery Update Course, New York, April 26, 2003

Peripheral Nerve Repair: the 2004 Hand Surgery Update Course, New York, October 18, 2004

Peripheral Nerve Repair: the 2005 Hand Surgery Update Course, New York, November 5, 2005

SCIENTIFIC PRESENTATIONS:

Choi M and Ehrlich HP. Compound U-75412E Inhibits Lipid Peroxidation and Prevents Progressive Ischemia in Burn Injury(Abstract). *American Burn Association Meeting* , Baltimore, Md., 1991

Choi M. Inhibition of Leukocyte Adherence with Monoclonal Antibody Reverses Burn Injury in the Zone of Stasis. Boston Hand Society, April 8, 1991, Boston, MA.

Choi M. Increased Patency of Synthetic Microvascular Graft and Free Flap Survival Based on Arterio-Venous Fistula Loops. The New York Academy of Medicine/The New York Regional Society for Plastic and Reconstructive Surgery, Resident's Night, March 6, 1995, New York, NY.

Choi M, Hirigoyen M, Zhang W, Weinberg H, Chun J, and Silver L. Increased Patency of Synthetic Microvascular Graft and Free Flap Survival Based on Arterio-Venous Fistula Loops(Abstract). *PSEF Plastic Surgery Senior Residents Conference* , Ann Arbor, MI, 1995

Choi M, Hirigoyen M, Zhang W, Weinberg H, Chun J, and Silver L. Increased Patency of Artificial Microvascular Graft Based on Arterio-Venous Fistula Loops(Abstract). *American Association for Hand Surgery*, Palm Springs, CA1995

Cabrera R, **Choi M,** Kulber D and Grossman J. Selective Neurectomy in the treatment of Spastic Hemiplegia: An Anatomic Study of Median and Ulnar Nerve Branching Patterns(Abstract). *Plastic Surgery Research Council*, St. Louis, MO, 1996

Choi M, Kulber D, Ramos L, and Grossman J. An Outcome Analysis of Reconstructive Surgery for the Hemiparetic Upper Extremity. *NYU Resident's Competetion* , New York, NY, 1996

Choi M, Kulber D, Ramos L and Grossman J. An Outcome Analysis of Reconstructive Surgery for the Hemiparetic Upper Extremity(Abstract). *American Society for Surgery of the Hand*, Nashville, KY, 1996

Borah GL, Wey PD, Christensen D, **Choi M.** Artificial sharpie's fibers and neotendons: osteointegration of tendon-hydroxyapatite composites(Abstract). *American Association for Hand Surgery* , 27th Annual Meeting, Boca Raton, FL, January 8-11, 1997

Choi M, Kulber D, Ramos L and Grossman J. An Outcome Analysis of Reconstructive Surgery for the Hemiparetic Upper Extremity(Abstract). *American Association for Hand Surgery 27th Annual Meeting*, Boca Raton, FL, January 8-11, 1997

Cabrera R, **Choi M,** Kulber D, and Grossman J. Selective Neurectomy in the treatment of Spastic Hemiplegia: An Anatomic Study of Median and Ulnar Nerve Branching Patterns(Abstract). *PSEF Plastic Surgery Senior Residents Conference 1997* (The First Prize).

Wey PD, Goydos JS, De La Cruz C, Borah GL, **Choi M.** Sentinel lymph node mapping in melanoma of the head and neck(Abstract). *Northeastern Society of Plastic Surgeons*, 14th Annual Meeting, Bermuda, October 27-29, 1997

Choi M, Borah GL Median neuropathy in Proteus Syndrome(Abstract). *Northeastern Society of Plastic Surgeons*, 14th Annual Meeting, Bermuda, October 27-29, 1997

Brogie B, Niemczyk P, Thanjuvar S, Ravikumar S, **Choi M,** Weiss, R. Total Pelvic Exenteration and Reconstruction for Locally Invasive Recurrent Sarcoma of the Perineum. American College of Surgeons Annual Meeting, 1999

Borud, LJ., Seibold, JR., **Choi, M.** Management of the Ischemic Hand in Scleroderma: A Role for

Microarteriolytic and Microvascular Reconstruction of the Proximal Arteries. ASPRS Annual Meeting, Boston, October 1999

Borud, L.J., Seibold, JR., **Choi, M.** Management of the Ischemic Hand in Scleroderma: A Role for Microarteriolytic and Microvascular Reconstruction of the Proximal Arteries. AAHS 2000 Annual Meeting, South Beach, Florida, January 7, 2000

Steinbrech D, **Choi, M.** Surgical Management of the Ischemic Hand in Scleroderma. New York Hand Society Resident's Night, May, 2003

Flores R, Karp N, **Choi M.** Scar minimizing for breast reconstruction patients using vertical mammoplasty incision. NYU Cancer Center Interdisciplinary Conference May 2005

Louie O, Karp N, **Choi M.** Areolar sparing mastectomy and outcome of breast reconstruction. NYU Cancer Center Interdisciplinary Conference. May 2005

Louie O, Karp N, **Choi M.** Partial mastectomy reconstruction using mastopexy techniques in macromastia patients. NYU Cancer Center Interdisciplinary Conference. October 2005

Editorial Contributions

Choi M Obstetric Brachial Plexus Injury. *Hand Writings* , Newsletter of the New Jersey Chapter of the American Society of Hand Therapists, August, 1997

Session Moderator

Northeastern Society of Plastic Surgeons, 14th Annual Meeting, Bermuda, Hand Micro-reconstruction. October 29, 1997