

GREGORY A. DUMANIAN M.D., F.A.C.S.
PRIVATE

Division of Plastic Surgery
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Education

High School

1975-1979	Morgan Park Academy Chicago, Illinois	High School Diploma
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Undergraduate

1979-1983	Harvard College Cambridge, Massachusetts	Bachelor of Arts
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Medical School

1983-1987	University of Chicago Chicago, IL	M.D.
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Graduate Medical Training

07/87-06/92	<u>General Surgery</u> , Massachusetts General Hospital, Boston, MA Dr. Leslie Ottinger, Program Director
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07/92-6/93	<u>Research Fellowship</u> , University of Pittsburgh Division of Plastic Maxillofacial and Reconstructive Surgery, Pittsburgh, PA Dr. Peter Johnson, Research Advisor
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07/93- 6/95	<u>Plastic Surgery Residency</u> , University of Pittsburgh Division of Plastic Dr. J. William Futrell, Division Chairman	Maxillofacial and
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7/95-6/96	<u>Hand Surgery Fellowship</u> , Union Memorial Hospital, Baltimore, MD E. F. Shaw Wilgis, Division Chairman
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7/96-8/04	<u>Assistant Professor of Surgery</u> , Division of Plastic Surgery, Northwestern University Feinberg School of Medicine
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9/04-	<u>Associate Professor of Surgery</u> , Division of Plastic Surgery, Northwestern University Feinberg School of Medicine
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4/05-	Program Director, Division of Plastic Surgery, Northwestern University Feinberg School of Medicine
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Board certification and licensure

Board Certification: American Board of Surgery. 2/10/1993, Certificate #38032

Recertified 10/17/2003

American Board of Plastic Surgery 9/12/98, Certificate # 5453

Recertified. 7/3/2007

Certificate of Added Qualification in Hand Surgery 10/1999.

Recertified 10/7/2008

Licensure:

Physician, Illinois, 036-091634. Expires 7-31-2011

Physician, Maryland, D47070, Expired 12-31-1997

Physician, Pennsylvania, MD-044642L, Expired 12-31-1996

Honors and awards

High School Valedictorian 1979

Harvard College, *summa cum laude* in Chemistry 1983

Phi Beta Kappa, Harvard College 1983

University of Chicago Pritzker School of Medicine M.D., with honors

Alpha Omega Alpha 1987

General Surgery Written Board Examination, 99% score, 1992

“Teacher of the year” in plastic surgery, 2000, 2001, 2003, 2004

Excellence in teaching award, Department of Surgery, 2002, 2003, 2004, 2005, 2006

DaVinci Award from Ford Motor Co. co-recipient with Neural Engineering Center for Artificial Limbs 10/2005

Faculty appointments

Associate Professor of Surgery, Division of Plastic Surgery, Department of Surgery, Northwestern University Medical School 2004

Associate Professor of Surgery, Department of Neurosurgery, Northwestern University Feinberg School of Medicine 2007

Hospital staff appointments

Northwestern Memorial Hospital

Shriners' Hospital for Children

Children's Memorial Hospital

Rehabilitation Institute of Chicago

Professional and scientific activity

American Society of Plastic Surgery

Fellow, American College of Surgery

Associate Editor, Plastic and Reconstructive Surgery 1/2007-present

Guest Editor, Journal of Hand Surgery 6/2007-present

American Board of Plastic Surgery Board Examiner 2007, 2008

Research grants/contracts

Principal investigator, \$4800 Plastic Surgery Research Grant to investigate tourniquet coagulopathy, 1996.

Principal investigator, "Biodegradable gels for prevention of adhesion neuritis. Funding: Focal, Inc. \$5000 direct costs. 1997.

Principal investigator SBRI Phase 1 grant, "Biodegradable gels for prevention of adhesion neuritis, pending final approval. \$22,426 direct costs. 1998.

Senior investigator, \$4000 Plastic Surgery Research Grant to investigate the anti-scar effects of TGF-Beta in a rat nerve adhesion model, 1999.

5. Consultant NIH grant RO1 HD044798-01: Trial of nerve-muscle grafts in transhumeral amputees for improved prosthesis control.
6. Consultant NIH grant RO1 HD043137-01: Analysis of EMG propagation in planar muscles for improved prosthesis control.
7. Targeted hyper-reinnervation to improve myoelectric prosthesis control in a woman with shoulder amputation. National Institute of child health and human development. \$23,354.
8. DEKA prime contract #W911NF-06-C-001. Targeted hyper-reinnervation to improve myoelectric prosthesis control. Two year grant for \$242,664.
9. Consultant NIH grant R01 HD058000-01. Targeted Reinnervation and Pattern-Recognition Control for Transradial Amputees. Salary support for \$11,673 for five years.
10. Development of a neural interface for powered lower limb prostheses. US Army for research. Salary support and resident research support.

Scholarly Productivity

Journal articles

1. Dumanian GA, Dumanian AV: Late embolic phenomena associated with cloth-covered Starr-Edwards aortic valve prosthesis. *Am J Cardiol* 1987;60:914-5.
2. Dumanian GA, Donahoe PK: Bilateral rotated buttock flaps for vaginal atresia in severely masculinized females with adrenogenital syndrome. *Plast Reconstr Surg* 1992;90:487-91.
3. Dumanian GA, Dascombe B, Hong C, Connolly K, Garrett KO, Sawhney AS, Pathak CP, Hubbell JA, Johnson PC: A new photopolymerizable blood vessel glue that seals human vessel anastomoses without augmenting thrombogenicity. *Plast Reconstr Surg* 1995;95:901-7.
4. Dumanian GA, Bontempo F, Johnson PC: Evaluation and management of the plastic surgical patient with a potential to bleed. *Plast Reconstr Surg* 1995;96:211-8.
5. Dumanian GA, Heil BV, Khouri RK, Hong C, Connolly K, Wun T-C, Johnson PC: Tissue factor activity at the human microvascular anastomosis and its inhibition with tissue factor pathway inhibitor. *J Surg Res* 1996;60:263-9.
6. Dumanian GA, Futrell JW: Radical excision and delayed reconstruction of a lymphedematous leg with a 15 year follow-up. *Lymphology* 1996;29:20-4.

7. Dumanian GA, Llull R, Edington HE: The fascial release as an adjunct to wound closure. *Brit J Plast Surg* 1996;49:64-6.

8. Restifo RJ, Dumanian GA, Garrett KO, Hong C, Johnson PC: Prostacyclin production at the human microvascular anastomosis: Its effect on initial platelet deposition. *Plast. Reconstr. Surg.* 1996;97:784-91.

9. Dumanian GA, Futrell JW: The Charles Procedure: Misquoted and misunderstood since 1950. *Plast Reconstr Surg* 1996;98:1258-63.

10. Dumanian GA, Llull R, Lotze MT, Ramasastry SS, Greco R, Llull R, Edington H: Abdominal wall dehiscence with enterocutaneous fistulae: Temporizing wound management with split thickness skin grafts. *Am J Surg* 1996;172:332-4.

11. Kozlowski JM, Dumanian GA, Fine NA, Cohn EB: Utility of the "Mutton-Chop" flap for reconstruction of large defects involving the lower abdominal wall and groin. *Contemp Urol* 1997; 9:85-96.

Dascombe WH, Dumanian G, Hong C, Heil B, Connelly K, Hessel B, Blomback B, Johnson PC. Application of thrombin based fibrin glue and non-thrombin based batroxobin glue on intact human blood vessels: evidence for transmural thrombin activity. *Thromb Hemostas* 1997;78:947-51.

13. Marcus JR, Hussong JW, Gonzalez C, Dumanian GA: Risk factors in necrotizing fasciitis: A case involving cryptococcus neoformans. *Ann Plast Surg* 1998;40:80-3.

14. Dumanian GA, Segalman K, Hendrickson M, Mispireta LA, Walsh JA, and Wilgis, EFS: Radial Artery Use in Bypass Surgery Does Not Change Digital Blood Flow or Hand Function. *Ann Thorac Surg* 1998;65:1284-1287.

15. Dumanian GA, Segalman K, Buehner JW, Koontz CL, Hendrickson M, and Wilgis, EFS: The radial artery is more important than the ulnar artery for the hands of cardiac surgery patients. *Plast Reconstr Surg* 1998; 102:1993-1998.

Dumanian GA, McClinton, MA, Brushart, TM: The effects of free fat grafts on the stiffness of the rat sciatic nerve and perineural scar. *J Hand Surg* 1999;24:30-34

Marcus JR, Palella FJ, Yeldandi AV, Dumanian, GA: Extent of surgical intervention in primary soft tissue aspergillosis. *Ann Plast Surg* 1999;42:683-687.

McCarthy WJ, Matsumura JS, Fine NA, Dumanian GA, Pearce WH: Combined arterial reconstruction and free tissue transfer for limb salvage. *J Vasc Surg* 1999;29:814-20.

Few JW, Marcus JR, Lee MJ, Ondra S, Dumanian GA: Treatment of hostile midline back wounds—an extreme approach. *Plast Reconstr Surg* 2000; 105: 2448-2451.

Dumanian GA, Chen A: Microvascular surgery in a bloodless field. *Microsurgery* 20: 221-224, 2000.

Sukkar SM, Dumanian GA, Szczerba SM, Tellez MG: Challenging abdominal wall defects. *Am J Surg* 2001; 181: 115-121.

Sukkar SM, Daw JA, Chandler J, Dumanian GA: Gracilis muscle free flap transfer using a radial artery/vena comitantes composite vascular pedicle. *Plast Reconstr Surg* 2001; 108: 156-161.

Few JW, Corral CJ, Fine NA, Dumanian GA: Monitoring buried head and neck free flaps with high resolution color duplex ultrasound. *Plast Reconstr Surg* 2001; 108: 709-712.

Saulis AS, Dumanian GA: Periumbilical rectus abdominus perforator preservation significantly reduces superficial wound complications in 'Separation of Parts' hernia repairs. *Plast Reconstr Surg* 2002; 109: 2275-2280.

Sukkar SM, Saulis AS, Dumanian GA: Radial forearm skin with flexor carpi radialis muscle: A useful composite free flap. *Ann Plast Surg* 2002; 49: 486-489.

Saulis AS, Sukkar SM, Dumanian GA: The reverse radial artery based flexor carpi radialis muscle flap for dorsal hand reconstruction: A clinical and cadaver study. *J Hand Surg* 2002; 27A: 1081-1086.

Dumanian GA, Earvin W: Comparison of techniques of major hernia repair. *Am J Surg*. 2003; 185: 61-65.

Szczerba SR, Sukkar SM, Dumanian GA: Definitive surgical treatment of infected or exposed mesh. *Ann Surg* 2003; 237: 437-441.

Hasen KV, Gallegos ML, Tepper RE, Dumanian GA: An extended approach for the vascular pedicle of the gracilis muscle flap: An anatomic and clinical study. *Plast Reconstr Surg* 2003; 111: 2203-2208.

Dumanian GA, Heckler FR, Bernard SL: The external oblique turnover muscle flap. *Plast Reconstr Surg* 2003; 111: 2344-2348.

Dumanian GA, Ondra SL, Liu J, Schafer M, Chao JD: Muscle flap salvage of spine wounds with soft tissue defects or infection. *Spine* 2003; 28: 1203-1211.

Reid RR, Dumanian GA: A minimalist approach to the care of the indwelling closed suction drain: A prospective analysis of local wound complications. *Ann Plast Surg* 2003; 51: 575-578.

Williams DH, Hua VN, Chowdhry AA, Laskin WB, Kalapurakal JA, Dumanian GA, Dalton DP: Synovial sarcoma of the prostate. *J Urol* 2004; 171: 2376.

Morasch MD, Sam AD, Kibbe MR, Reid RR, Hijjawi J, Dumanian GA: Gracilis muscle flap coverage of groin wounds following vascular surgery. *J Vasc Surg.* 2004; 39: 1277-1283. Abstracted for the Yearbook of Vascular Surgery 2006.

Reid RR, Dutra J, Conley DB, Ondra SL, Dumanian GA: Cervical esophageal fistula complicating anterior spinal fusion: Improved repairs with free tissue transfer. *J Neurosurg.* 2004; 100: 66-70.

Lee MJ, Dumanian GA: The oblique rectus abdominis musculocutaneous flap. Revisited clinical applications. *Plast Reconstr Surg* 2004;114:367-373.

Reid RR, Zimmerman N, Dumanian GA: Surgical treatment of major vascular malformations localized to the flexor digitorum superficialis muscle: Report of 3 cases. *J Hand Surg. (Br)* 2004; 29: 470-472.

Kuiken TA, Dumanian GA, Lipschutz RD, Miller LA, Stubblefeild KA: The use of tagged muscle reinnervation for improved myoelectric prosthesis control in a bilateral shoulder disarticulation amputee. *Prosthetics and Orthotics International*, 2004; 28(3): 245-253. Awarded the Forchheimer Prize Paper from the International Society of Prosthetics and Orthotics, August 2007.

Shuhaiber JH, Shuhaiber HH, Dumanian GA: The role of palmaris muscle tendon in mitral valve annulus reconstruction: a novel technique for mitral valve repair. *Heart Surg Forum*, 2004; 7: E519-22.

Lin S, Dutra J, Keni J, Dumanian GA, Fine N, Pelzer, H: Preoperative radiation therapy and its effects on outcomes in microsurgical head and neck reconstruction. *Otol Head Neck Surg.* 2005; 132: 845-848.

Lee MJ, Mindea S, Ondra S, Fine NA, Dumanian GA. Indications and rationale for use of vascularized fibula bone flaps in cervical spine arthodeses. *Plast Reconstr Surg.* 2005; 116: 1-7.

Reid RR, Dumanian GA: Panniculectomy and the separation of parts hernia repair: A solution for the large infraumbilical hernia in the obese patient. *Plast Reconstr Surg.* 2005; 116: 1006-1012.

Erickson, RA, Jang TX, Halverson A, Dumanian GA, Gonzalez CM. Rectourethral fistula associated with anterior and posterior urethral strictures: simultaneous repair with a buccal mucosa graft and a radial fasciocutaneous free flap. *J Urol.* 2006; 67: 195-198.

Lipschutz RD, Kuiken TA, Miller LA, Dumanian GA, Stubblefield KA. Shoulder

disarticulation externally powered prosthetic fitting following targeted muscle reinnervation for improved myoelectric control. *J Prosthet Orthot.* 2006; 18: 28-34.

Hijjawi J, Kuiken TA, Lipschutz RD, Miller LA, Stubblefield KA, Dumanian GA. An improved brain-machine interface accomplished using multiple nerve transfers. *Plast Reconstr Surg.* 2006; 118: 1573-1578.

Sisco M, Dumanian GA. Anterior interosseous nerve syndrome following shoulder arthroscopy: A report of three cases. *J Bone Joint Surg* 2007; 89: 392-5.

Kuiken TA, Miller LA, Lipschutz RD, Lock BA, Stubblefield K, Marasco PD, Zhou P, Dumanian GA. Targeted reinnervation for enhanced prosthetic arm function in woman with a proximal amputation: a case study. *Lancet* 2007; 369: 371-80.

Abbott DE, Dumanian GA, Halverson AL. Management of laparotomy wound dehiscence. *Am J Surg* 2007; 73: 1224-1227.

O'Shaughnessy BA, Dumanian GA, Liu JC, Ganju A, Salehi SA, Ondra SL. Pedicled omental flaps as an adjunct in complex spine surgery. *Spine* 2007; 32: 3074-3080.

Kryger ZB, Dumanian GA, Howard MA. Safety issues in combined gynecologic and plastic surgical procedures. *Int. J. Gynecol. Obstet.* 2007; 99: 257-263.

Kryger ZB, Rawlani V, Dumanian GA. Treatment of chronic digital ischemia with direct microsurgical revascularization. *J. Hand Surg* 2007; 32: 1466-1470.

O'Shaughnessy KD, Dumanian GA, Lipschutz R, Miller L, Stubblefield K, Kuiken TA. Targeted reinnervation: A surgical technique to improve prosthesis control in transhumeral amputees. *J. Bone Joint Surg* 2008; 90: 393-400.

Abbott DE, Halverson AL, Wayne JD, Kim JY, Talamonti MS, Dumanian GA. The oblique rectus abdominis myocutaneous flap for complex pelvic wound reconstruction. *Dis. Colon Rectum.* 51: 1237-41.

Agnew S, Dumanian GA. A simple test: Please draw the incision. It is not as easy as we may think. *J. Hand Surg.* 2008, 33A: 1894-1898.

Park J, Dumanian GA. Digital necrosis following a steroid injection for trigger finger: A case report. Accepted to *J. Hand Surg.*

Ko JH, Salvay DM, Paul BC, Wang EC, Dumanian GA. "Components Separation" technique for the treatment of complex abdominal wall defects: An 11-year experience in 200 patients. Accepted to *Arch. Surg.*

Ko JH, Salvay DM, Paul BC, Wang EC, Dumanian GA. Soft polypropylene mesh, but not cadaveric dermis, significantly improves outcomes in midline hernia repairs using the

components separation technique. Submitted to *Plast. Reconstr. Surg.*

Hadad I, Small W, Dumanian GA. Repair of massive ventral hernias with the separation of parts technique: Reversal of the “lost domain”. Accepted to *Am. Surg.*

Schierle CF, Rawlani V, Galiano RD, Kim YS, Dumanian GA. Improving outcomes of the distally based hemisoleus flap: Principles of angiosomes in flap design. Accepted to *Plast. Reconstr. Surg.*

Invited Commentaries, Letters, Brief Communications, and Abstracts

Dumanian, G. The effect of ketorolac on clotting (letter). *Plast Reconstr Surg* 1997; 100: 552.

Dumanian GA: Discussion of “Cleland’s Ligaments: An Anatomic Study” by Chrysopoulo MT, McGrouther DA, Jeschke MG, and Kaufman BR. *Plast Reconstr Surg* 2002; 109: 573-575.

Hasen KV, Dumanian GA, Mustoe, TA: The “pillow box” for foot elevation (letter). *Plast Reconstr Surg* 2002; 109: 2162.

Dumanian GA. Comment on “Laparoscopic repair of peristomal hernias”. *Journal American College Surgeons* 2002; 195: 293.

Dumanian GA, Sukkar S. “Separation of parts” technique: is it the only alternative for autologous repair of challenging abdominal wall defects? *Am J Surg*; 2002; 183: 602.

Dumanian GA, Denham W. Repair techniques for major incisional hernias. *Am J Surg*; 2004; 187: 148.

Dumanian GA. Risks associated with “components separation” for closure of complex abdominal wall defects. *Plast Reconstr Surg* 2004; 113: 461.

8. Dumanian GA. Discussion on “Effects of mild hypothermia on blood coagulation in patients undergoing elective plastic Surgery” by Cavallini M, Preis FW, Casati A. *Plast Reconstr Surg.* 2005; 116: 322-323.

9. Sisco M, Dumanian GA. A Simple Technique to Anchor Prosthetic Mesh to Bone". *Plast Reconstr Surg.* 2005; 116.

10. Dumanian GA. Discussion on “Use of omentum flap as additional soft tissue cover for gore-tex reconstructed abdominal wall defects” by Wong CH et al. *Plast Reconstr Surg.* 117: 2006; 312-313.

11. Dumanian GA. Discussion on “The extended approach to the vascular pedicle of the anterolateral thigh perforator flap” by Spyriounis et al. *Plast Reconstr Surg* 117:

2006; 1002-1003.

12. Dumanian GA. Discussion on "Use of microvascular free fibula transfer as a salvage reconstruction for failed anterior spine surgery due to chronic osteomyelitis" by Erdmann et. al. *Plast Reconstr Surg* 117: 2006; 2446-2447.
13. Dumanian GA. Discussion on "Monitoring buried free flaps: Limitations of the implantable Doppler and use of color duplex sonography as a confirmatory test" by Chevray et. al. *Plast Reconstr Surg* 118: 2006; 114-115.
14. Sisco M, Dumanian GA: Discussion on "Salvaging limbs in cases of severe purpura fulminans: The advantage of free flaps." *Plast Reconstr Surg* 118: 2006; 686-687.
15. Kryker Z, Dumanian GA: Discussion on "Reconstruction of long bone defects after sarcoma resection with free fibula flaps." *Plast Reconstr Surg* 119: 2007; 925-926.
16. Sisco M, Dumanian GA: The Implantable Venous Doppler for Perforator Flap Monitoring: Report of a False-Negative Signal. *Plast Reconstr Surg* 2008: 121: 223e-4e.
17. Dumanian GA: The emperor has no clothes. Accepted to *Plast Reconstr Surg*.
18. Rawlani V, Lee MJ, Dumanian GA: Bilateral sciatic neuropraxia following combined abdominoplasty and mastopexy. Accepted to *Plast Reconstr Surg*.

Book Chapters

Dumanian GA, Hurwitz D: Congenital Deformities of the Female Genitalia. In GS Georgiade, R Riefkohl, LS Levin, eds. *Georgiade Plastic, Maxillofacial, and Reconstructive Surgery*, 3rd ed. Baltimore: Williams & Wilkins, 1997: 855-60.

Dumanian GA, Heckler F: Constriction Ring Syndrome, In ML Bentz, ed. *Pediatric Plastic Surgery*. Stamford, CN: Appleton & Lange, 1998: 1009-16.

Jacobs CE, McCarthy WJ, Fine NA, Dumanian GA, Bittar SM, Pearce WH: Combined lower extremity revascularization and free tissue transfer. In Press.

Dumanian GA: Fractures and dislocations of the wrist and fingers, In McCarthy J, Galiano R, and Boutros S eds., *Current therapy in plastic surgery*. P. 539. Saunders Elsevier. 2006.

Hijjawi J, Dumanian GA: The ischemic and diabetic lower extremity, In McCarthy J, Galiano R, and Boutros S eds., *Current therapy in plastic surgery*. P. 658. Saunders Elsevier. 2006.

- Dumanian GA: Abdominal wall reconstruction, In Grabb and Smith, Plastic Surgery, 6th ed.
7. Dumanian GA: Complex wound closure, In Northwestern Handbook of Surgical Procedures, R Bell and DB Kaufman, eds. Chapter 71. Landes Bioscience. 2005,
 8. Kim P and Dumanian GA: Negative pressure wound therapy. Chapter 5. In M Sisco and ZB Kryger, eds. Landes Bioscience, Austin, TX. 2007.
 9. Reid RR and Dumanian GA: Radiated wound and radiation induced enteric fistulae. Chapter 18. In M Sisco and ZB Kryger, eds. Practical Plastic Surgery. Landes Bioscience, Austin, TX. 2007.
 10. Sisco M and Dumanian GA: Infected and exposed vascular grafts. Chapter 21. In M Sisco and ZB Kryger, eds. Practical Plastic Surgery. Landes Bioscience, Austin, TX. 2007.
 11. Sisco M and Dumanian GA: Abdominal wall reconstruction. Chapter 51. In M Sisco and ZB Kryger, eds. Practical Plastic Surgery. Landes Bioscience, Austin, TX. 2007.
 12. Sisco M and Dumanian GA: Pelvic, genital, and perineal reconstruction. Chapter 52. In M Sisco and ZB Kryger, eds. Practical Plastic Surgery. Landes Bioscience, Austin, TX. 2007.
 13. Dumanian GA: Amniotic Band Sequence. Chapter 47. In ML Bentz, B Bauer, and R Zuker, eds. Principles and Practice of Pediatric Plastic Surgery. Quality Medical Publishing, St. Louis, MO. 2008
 14. Reid RR, Lu L, Dumanian GA: Pediatric Pressure Sores. Chapter 59. In ML Bentz, B Bauer, and R Zuker, eds. Principles and Practice of Pediatric Plastic Surgery. Quality Medical Publishing, St. Louis, MO. 2008
 15. Dumanian GA: Soft tissue reconstruction of the groin after vascular surgery: Use of the gracilis flap. Chapter 30. In W Pearce, J Matsumura, and J Yao, eds. Vascular Surgery in the Endovascular Era. Greenwood Academic, Evanston, IL. 2008.
 16. Dumanian GA: Abdominal wall tumors and their reconstruction. Chapter 12. In CE Butler and NA Fine, eds. Principles of Cancer Reconstructive Surgery. Springer Publishing, Germany. 2008.
 17. Dumanian GA: Reconstruction of the Intra-Abdominal Pelvis and the Perineum. Chapter 13. In CE Butler and NA Fine, eds. Principles of Cancer Reconstructive Surgery. Springer Publishing, Germany. 2008.

Abstracts/Presentations

1. Dumanian GA, Khouri RK, Heil B, Hong C, Connolly K, Wun T-C, Johnson P: Tissue factor activity at the human microvascular anastomosis and its inhibition. Presented at the Plastic Surgery Research Council, Houston TX, April 29, 1993.
2. Restifo RJ, Dumanian GA, Hong C, Johnson PC: Platelet deposition at the human microvascular anastomosis: Effect of aspirin. Presented at the Robert Ivy Society, Hershey PA, March 13, 1993.
3. Whitney TM, Bentz ML, Dumanian GA, Johnson PC: The effect of Corticotropin-Releasing Factor on reperfusion edema. Presented at the Robert Ivy Society, Hershey PA, March 13, 1993.
4. Dumanian GA, Dascombe B, Hong C, Connolly K, Garrett KO, Sawhney AS, Pathak CP, Hubbell JA, Johnson PC: A new photopolymerizable blood vessel glue that seals human vessel anastomoses without augmenting thrombogenicity. Presented at the Plastic Surgery Research Council, Ann Arbor Michigan, June 5, 1994.

Dumanian GA, Futrell JW: The Charles Procedure: Misquoted and misunderstood since 1950. Presented at the Robert Ivy Society, Hershey PA, Mar 12, 1995.

Few JW, Corral C, Fine NA, Dumanian GA: Monitoring buried head and neck free flaps with high resolution color duplex. Presented at the American Society of Reconstructive Microsurgery, Miami, FL 1/12/2000.

Sukkar SM, Dumanian GA: Gracilis muscle free flap transfer utilizing a radial artery/venae comitantes composite vascular pedicle. Presented at the American Society of Reconstructive Microsurgery, Miami, FL 1/12/2000.

Saulis A, Sukkar SM, Dumanian GA: Musculocutaneous radial forearm free flap. Presented at the Midwest Association of Plastic Surgeons, Chicago, IL 4/7/2000.

Sukkar SM, Dumanian GA: Abdominal Wall Reconstruction: One Center's Experience. Presented at the Midwest Association of Plastic Surgeons, Chicago, IL 4/7/2000.

Saulis, A, Dumanian GA: Periumbilical rectus abdominus perforator preservation significantly reduces major superficial wound complications in "Separation of Parts" hernia repairs. Presented at the Midwest Association of Plastic Surgeons, Chicago, IL 4/21/2001.

Saulis A, Dumanian GA: Periumbilical rectus abdominus perforator preservation significantly reduces major superficial wound complications in "Separation of Parts" hernia repairs. Presented at the American Society of Plastic Surgery, Orlando, FL 11/4/2001.

Saulis A, Sukkar SM, Dumanian GA: The musculocutaneous radial artery forearm/flexor carpi radialis flap—a clinical and cadaveric study. Presented at the American Society for Reconstructive Microsurgery, Cancun, MX 1/12/2002.

Hasen KV, Gallegos M, Tepper R, Dumanian GA: A novel technique for additional length and improved exposure of the gracilis pedicle. Presented at the American Society for Reconstructive Microsurgery, Cancun, MX 1/12/2002.

Lee MJ, Mindea SA, Hasen KV, Ondra S, Fine NA, Dumanian GA: The role of vascularized fibula flaps in difficult cervical spine arthrodeses. Presented at the American Society for Reconstructive Microsurgery, Hawaii, 1/10/2003.

15. Lin S, Dumanian GA, Dutra J, Pelzer H, Fine NA: Effects of preoperative radiation therapy on outcomes in microsurgical head and neck cancer reconstruction. Presented at the American Society for Reconstructive Microsurgery, Palm Springs, CA. 1/17/2004.

16. Reid R, Dumanian GA: Autogenous hernia repair in the morbidly obese. Presented at the Midwest Association Plastic Surgery, Chicago, IL 5/2/2004.

17. Kuiken TA, Miller LA, Dumanian GA, Lipshutz RD, Stubblefield KA: Targeted muscle reinnervation for improved prosthesis control in a patient with bilateral shoulder disarticulations. Presented at the 11th World Conference of ISPO, Hong Kong, China. 8/2/2004.

18. Wayne J, Mirkia K, Dumanian GA: Giant Marjolin's ulcer arising in a chronic anterior abdominal wound. Midwestern Surgical Society, Macinaw Island, MI. 8/9/04.

19. Hijjawi J, Kuiken T, Dumanian GA: Intuitive and improved control of a myoelectric arm using brachial plexus-muscle segment anastomoses. Presented at the American Society of Plastic Surgery, Philadelphia, PA 10/11/2004.

20. Dumanian GA, Hadad I, Small W.: Separation of parts: Hernia repairs and postoperative ventilation—Reversal of the “lost domain”. Presented at the American Society of Plastic Surgery, Philadelphia, PA 10/12/2004.

21. Said HK, Kuiken TA, Hijjawi J, Dumanian GA: Nerve transfers in transhumeral amputations: Creating myoneurosomes for improved myoelectric prosthesis control. American Society of Reconstructive Microsurgery, Puerto Rico, Jan 14-18, 2005. Winner first prize resident competition, Midwestern Association of Plastic Surgeons, Chicago, IL. 4/23/2005.

22. Lipschutz RD, Miller LA, Stubblefield KA, Dumanian G, Phillips ME, Kuiken TA. Transhumeral level fitting and outcomes following targeted hyper-reinnervation nerve transfer surgery. Myoelectric Controls Symposium, Fredericton NB Canada, August, 2005.

23. Lin S, Margulis, Lubicky J, Patel P, Dumanian GA. Prefabrication of a free fibula flap by distraction osteogenesis for mandibular reconstruction. Presented at the American Society for Reconstructive Microsurgery, Tucson AZ, 1/15/2006.
24. Dumanian GA, Kuiken TA. Targeted reinnervation for improved myoelectric prosthesis function. Presented at the American Academy of Orthopedic Surgery, Chicago, IL 3/25/2006.
25. O'Shaughnessy KD, Kuiken TA, Dumanian GA. Targeted reinnervation: A functioning neural-machine interface for improved myoelectric prosthesis control. Presented at the American Society of Plastic Surgery, San Francisco, CA 10/8/2006.
26. Rosenberg DA, Schmid D, Dumanian GA. Tissue expander/implant reconstruction with circumferential capsulotomy in the irradiated patient: An outcomes study. Presented at the Midwestern Association of Plastic Surgeons, Chicago, IL 5/4/2007.
27. Sisco M, Dumanian GA. The oblique rectus abdominis myocutaneous flap for vaginal reconstruction. Presented at the Midwestern Association of Plastic Surgeons, Chicago, IL 5/4/2007.
28. Kryger ZB, Rawlani V, Dumanian GA. Treatment of chronic digital ischemia with direct microsurgical revascularization. Presented at the Midwestern Association of Plastic Surgeons, Chicago, IL 5/4/2007.
29. O'Shaughnessy KD, Dumanian GA, Lipshutz R, Miller L, Stubblefield K, Kuiken TA. Targeted reinnervation: A surgical technique to improve prosthesis control in transhumeral amputees. Presented at the Midwestern Association of Plastic Surgeons, Chicago, IL 5/4/2007.
30. Dumanian GA. Targeted innervation for improved control of myoelectric prostheses. Presented at the World Society of Microsurgery, Athens, Greece. 6/25/2007.
31. Dumanian GA, Kuiken TA. Targeted innervation for improved control of myoelectric prostheses. Presented at the American Association of Surgery Hand, Seattle, WA. 9/29/07.
32. Dumanian GA and Angelos P. Surgical Innovation vs. Surgical Research: A Plastic Surgery Case Study. U. of Chicago, Oct 17, 2007.
33. Dumanian GA, Kuiken TA. Creation of the semi-bionic man with targeted innervation. American Society of Plastic Surgery, Baltimore, MD. 10/29/2007.
34. Dumanian GA. Use of the gracilis flap for vascular reconstruction of the groin. Northwestern Vascular Surgery Course, Chicago, IL. 12/15/2007.

35. Kryger Z, Rawlani V, Dumanian GA. Treatment of chronic digital ischemia with direct microsurgical revascularization. American Association of Hand Surgery, Beverly Hills, CA. 1/10/08.
36. Kim PS, O'Shaughnessy KD, Kuiken TA, Dumanian GA. Novel model for end-neuroma formation in the amputated rabbit forelimb. American Society for Peripheral Nerve, Beverly Hills, CA. 1/12/08.
37. Kim PS, O'Shaughnessy KD, Kuiken TA, Dumanian GA. Targeted motor reinnervation of the rabbit rectus abdominis: a single muscle can receive and distinguish three independent nerve inputs. American Society for Reconstructive Microsurgery, Beverly Hills, CA. 1/14/08.
38. Dumanian GA, Kuiken TA. Multiple nerve transfers for improved prosthetic function in high upper extremity amputees. Federation of the European Societies for Surgery of the Hand (FESSH). Lausanne, Switzerland. 6/19/2008.
39. Dumanian GA, Kuiken TA. Targeted reinnervation. American Society for Surgery of the Hand Symposium. Chicago, IL. 9/17/2008.
40. Ko JH, Salvay DM, Paul BC, Wang ED, Dumanian GA. "Components separation" technique for the treatment of ventral hernias. Lessons learned from 200 patients. American College of Surgery, San Francisco, CA. 10/15/2008.
41. Ko JH, Salvay DM, Paul BC, Wang EC, Dumanian GA. Soft polypropylene mesh, but not cadaveric dermis, significantly improves outcomes in midline hernia repairs using the components separation technique. American Society Plastic Surgery, Chicago, IL 11/4/2008.
42. Ko JH, De la Garza M, Kim PS, Kuiken TA, Dumanian GA. Topographic distribution of sensory and motor axons in the human brachial plexus: A first step toward function specific targeted reinnervation. American Society Peripheral Nerve, Maui, Hawaii. 1/9/2009.
43. Ko JH, Kim PS, O'Shaughnessy KD, Kuiken TA, Dumanian GA. A quantitative evaluation of gross versus histologic neuroma formation in a rabbit forelimb amputation model. American Society Peripheral Nerve, Maui, Hawaii. 1/9/2009.
44. Ko JH, Kim PS, O'Shaughnessy KD, Wilson CJ, Kuiken TA, Dumanian GA. Refinements in targeted reinnervation in transhumeral amputees: Proximal radial nerve anatomy and advancements in operative technique. American Society Peripheral Nerve, Maui, Hawaii. 1/11/2009.

COURSES/ NATIONAL PRESENTATIONS

1. 3M Agee Carpal tunnel release system surgical skills workshop. Dumanian, GA, and Hill, J. February 22, 1997, Northwestern University.

Ultrasound assisted liposuction course. Local faculty instructor. June 6, 1998, Northwestern University.

3. "Cutting-edge" solutions in abdominal wall reconstruction. Course given at American Society of Plastic Surgery

- a. Course given at American Society of Plastic Surgery, San Antonio, TX. 11/4/2002.
- b. Course given at American Society of Plastic Surgery, San Diego, CA 10/29/2003.
- c. Course given at American Society of Plastic Surgery, Philadelphia, PA 10/12/2004
- d. Course given at American Society of Plastic Surgery, Baltimore, MD 11/1/2007

4. New solutions for difficult back wounds. Panel moderator 1 hour symposium given at American Society of Plastic Surgery, Chicago, IL 9/27/2005.

5. Abdominal wall reconstruction in the obese patient. Bariatric Plastic Surgery Workshop, Amelia Island Plantation, Florida. 10/13/2005. Panel moderator: Latissimus breast reconstruction.

6. Latissimus breast reconstruction. Moderator. Bariatric Plastic Surgery Workshop, Amelia Island Plantation, Florida. 10/13/2005.

7. Back reconstruction. Course given at American Society of Plastic Surgery. San Francisco, CA 10/11/2006.

8. Abdominal wall reconstruction with mesh. Panel moderator 1 hour symposium. American Society of Plastic Surgery, Baltimore, MD. 10/28/2007

9. The Robotic Hand. Session moderator. Federation of the European Societies for Surgery of the Hand (FESSH). Lausanne, Switzerland. 6/19/2008.

10. Targeted reinnervation. 1 hour course given at American Society Peripheral Nerve, Maui, Hawaii. 1/9/2009.

VISITING PROFESSORSHIP

University of Pittsburgh Division of Plastic Surgery Visiting Professor 6/99.

University of Wisconsin, Madison, Division of Plastic Surgery Visiting Professor 8/00

Southern Illinois University, Division of Plastic Surgery Visiting Professor 5/08

POSTER PRESENTATIONS

Sukkar SM, Dumanian GA: Complex abdominal wall reconstructions: One center's approach. Presented at American Society of Plastic Surgery, New Orleans, LA 10/1999.

Sukkar SM, Dumanian GA: Radial forearm flap with FCR muscle: A new flap combination. Presented at American Society of Reconstructive Microsurgery, Miami FL 1/12/2000.

Ganju A, Liu J, Dumanian G, Ondra S: The use of vascular autografts in the reconstruction of the infected spine. Congress of neurological surgeons, San Diego, CA 10/01.

Lee M, Dumanian GA: The Oblique Rectus Abdominis Musculocutaneous (ORAM) flap: Revisited Clinical Applications. Presented at American Society of Plastic Surgery, San Antonio, TX, 11/2/02 and at the American Society of Reconstructive Microsurgery, Hawaii. 1/10/03.

Hijjawi JB, Chao JD, Margulis A, Dumanian GA: Acute repair of a high radial nerve avulsion injury with sural nerve grafts. Presented at the American Society of Reconstructive Microsurgery, Hawaii. 1/10/03.

6. Morasch MD, Kibbe MR, Eskandari MK, Hijjawi J, Dumanian GA. Gracilis muscle flap coverage of groin wounds following vascular surgery. Society for Clinical Vascular Surgery 32nd Annual Symposium on Vascular Surgery, Rancho Mirage, California, March 10-13, 2004.

7. Lin S, Reid R, Sam S, Morasch MD, Dumanian GA. Gracilis muscle flap coverage of groin wounds in the vascular patient. American Society of Reconstructive Microsurgery, Puerto Rico, Jan 14-18, 2005.

8. Schierle, CF, Dumanian GA. The distally based hemisoleus flap as an illustration of the principle of angiosomes in flap design. American Society of Reconstructive Microsurgery, Puerto Rico, Jan 14-18, 2005.

9. Abbott D, Dumanian G, Halverson AL. Management of laparotomy wound dehiscence. Midwestern Surgical Society. Macinaw Island, MI. Aug 15, 2006.

10. Abbott D, Halverson AL, Wayne J, Kim J, Talamonti M, Dumanian GA. The ORAM flap for complex pelvic wound reconstruction. Midwestern Surgical Society. Macinaw Island, MI. Aug 15, 2006.

11. Odunze M, Nystrom A, Dumanian GA. "Painful surgery": A technique to treat localized refractory pain. American Society of Peripheral Nerve. Maui, Hawaii. 1/10/2009.

LECTURES

The Year in Internal Medicine. Common Hand Problems. Chicago, IL 1/22/2003.
University of Illinois Plastic Surgery Grand Rounds, 3/6/2003
University of Chicago Plastic Surgery Grand Rounds, 6/5/2003
Chicago Foot and Ankle Blues: Construction and Reconstruction. "Foot flaps and VACS", Chicago, IL. 6/7/2003.
First Annual Management of Difficult GI Problems. "Abdominal Wall Reconstruction", Chicago, IL. 6/28/2003.
Targeted reinnervation for control of myoelectric prosthesis function. Otto Bock Seminar, Vienna Austria. 8/11/2005.
Plastic surgery for vascular surgery patients. 20th Nursing Conference on Selected Topics in Vascular Disease. Chicago, IL. 10/31/2005.

COMMITTEE APPOINTMENTS

1. Instructional course committee ASPS 2002-2007. Subcommittee chairman for general reconstruction 2005-2007.
2. Program committee ASPS 2005-2007
3. Sub-committee chairman for general reconstruction ASPS 2007-present
4. Medical Executive Committee, Northwestern Memorial Hospital 2007-2008.
5. Northwestern Medical Faculty Foundation Board of Directors, 11/2007.