

DANIEL A. MEDALIE, M.D.

Division of Plastic Surgery
Case Western Reserve University and
MetroHealth Medical Center
Cleveland, Ohio 44109
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POSITIONS

- Assistant Professor of Surgery 2006 - Present
Division of Plastic Surgery
MetroHealth Medical Center of Cleveland and
Case Western Reserve University
Cleveland, Ohio
- Chief of Plastic Surgery, Cleveland VA Hospital 2002-2006
Assistant Professor of Surgery
Division of Plastic Surgery
University Hospitals of Cleveland and
Case Western Reserve University
Cleveland, Ohio
- Assistant Professor of Surgery 1999-2002
Division of Plastic Surgery
University of Kentucky Medical Center
Lexington, Kentucky

PRESENT HOSPITAL APPOINTMENTS

- MetroHealth Medical Center of Cleveland (Active) 2006
- University Hospitals of Cleveland (Active) 2002
- Veterans Affairs Medical Center (Active) 2002

MEDICAL LICENSURE

- Pennsylvania 1993-1999
- Massachusetts 1994-1996
- Kentucky 1999-2003
- Ohio 2002-present

BOARD CERTIFICATION

American Board of Plastic Surgery 2000

SOCIETY MEMBERSHIPS

- American Society of Plastic Surgeons
- Ohio Valley Society of Plastic Surgery
- Ohio Medical Society
- Commission for Children with Special Health Care Needs (Commonwealth of Kentucky)
- Kentucky Medical Society (Vice president, 2002)

COMMITTEE MEMBERSHIPS

- ASPS Council on State Affairs (2004 - Present)
- ASPS National Patient Care Parameters Subcommittee (2001-2003)

EDUCATION and TRAINING

- 1996-1999 Plastic Surgery Fellow, University of Pittsburgh Medical Center
- 1994-1996 Surgical Research Fellow, Massachusetts General Hospital and Shriners Burns Institute, Boston, Ma
- 1991-1994 General Surgery Internship and Residency, University of Pittsburgh Medical Center
- 1986-1991 Cornell University Medical College, NY, NY
- 1981-1985 Harvard University, Cambridge, MA
- 1989-1990 Researcher, Hôpital de Bicêtre, Paris
- 1985-1986 Art Students League and Parson's School of Design, NY, NY
- HONORS GRADUATE
- 2011-Voted among the "Best Plastic Surgeons" In the US (Castle Connely)
- 2010-Voted among the "Best Plastic Surgeons" in Ohio (Best Doctors Inc.)
- 2004 -Featured in "Northern Ohio Live Magazine", "Beyond Cosmetic Surgery"
- 2003 - Cleveland representative for the American Society of Plastic Surgery at the ASPS Midwest Congressional Advocacy Event in Washington D.C.
- 2000 - 1st place, Ohio Valley Plastic Surgery award for "Best Paper" (senior author on presentation)
- 1999 - Winner, PSEF award for Best Research Paper, Plastic Surgery Senior Residents Conference
- 1998 - Featured in "Dermatology Times", March, 1998: "Gene Technology Gives Hope for Modulating Wound Healing"
- 1997 - 2nd place, residents competition in basic science research, Pennsylvania Ivy Society Meeting
- 1994 - Awarded Burn/Trauma training grant from NIH for research at Mass General Hospital and Shriners Burn Institute

- 1991 - The Howard C. Polk award given to the three graduating medical students who have achieved the best record over the four years of medical school
- 1990 - Papanicalou Teaching Fellow in gross anatomy
- 1989 - Received research grant from The Population Council at Rockefeller University to perform endocrinology research in France.
- 1989 - Early (junior) induction into the Alpha Omega Alpha honor society.
- 1988 -The William C. Thro Memorial prize in pathophysiology awarded for attainment of the best record in pathophysiology.
- 1987 -The McGraw Hill Co. book award given to the two students with the most distinguished records in the first year of medical school.

HONORS UNDERGRADUATE

- 1985 - Magna Cum Laude (Biological Anthropology), Harvard University
- 1984,85 - John Harvard Award for academic achievement of the highest distinction, Harvard University
- 1985 - Major 'H' awarded for four consecutive years of varsity sports
- 1984-85 - Co-captain of the Harvard wrestling team

RESEARCH EXPERIENCE

- 2001-2002 -Human Genome Science-HGS KGF-2-WHO4-"A Randomized, Double-blinded, Parallel-Group, Placebo-controlled, Multicenter Study to Evaluate the Efficacy and Safety of Repifermin (KGF-2) in Subjects with Venous Ulcers"
- 1994-1996 - Massachusetts General Hospital and Shriners Burns Institute, Boston, MA
 - Research in genetic transduction of human cultured keratinocytes, and creation of genetically modified skin equivalents capable of delivering specific growth factors to wounds.
 - Evaluation of composite skin equivalents and their ability to model keratinocyte and melanocyte growth and differentiation.
- 9/89-6/90 - Service of Endocrinology, Hôpital de Bicêtre, Paris, France
 - Research involving immunocytochemistry of estrogen and progesterone receptors in the human endometrium.
 - Clinical research examining the efficacy of a GnRH antagonist in inhibiting ovulation in women.
 - Clinical research of the efficacy of contraceptive vaginal rings
- 1983-1985 - Biological Anthropology, Peabody Museum, Harvard University
 - Received a grant from the Harvard anthropology department for research in 1984, and turned research into honors thesis, "Assessment of salivary

- testosterone and cortisol levels in anticipation and response to competitive fighting behavior in human males," 1985.
- Summer 1984 - Archaeological excavation, Landsut, Germany
- Assisted Harvard professor of archaeology in search for late Bronze age settlement patterns and trade routes.

RESEARCH GRANTS

2001-2002 (\$178,000) -Human Genome Science-HGS KGF-2-WHO4-"A Randomized, Double-blinded, Parallel-Group, Placebo-controlled, Multicenter Study to Evaluate the Efficacy and Safety of Repifermin (KGF-2) in Subjects with Venous Ulcers"

PUBLICATIONS

- Plastic Surgical Forum- Acellular human dermis as an adjunct to plastic surgical reconstruction
XXVII; 2004 Daniel A. Medalie
- Annals of Plastic Surgery - Free tissue transfer to a difficult wound of the lower extremity, Lee L.Q.Pu
2004;53:222-228 Daniel A. Medalie, William J. Rosenblum, Steven J. Lawrence, Henry C. Vasconez
- Molecular Therapy- FGF Expression enhances the performance of bioengineered skin, Gulson Erdag,
2004;10,76-80 Daniel A. Medalie, Hinne Rakhorst, Gerald G. Krueger, Jeffrey R. Morgan
- Plastic Surgical Forum-Genetically modified skin substitutes over expressing IGF and EGF synergistically alter the
XXVI; 2003 wound healing environment, Daniel A. Medalie, Ronald G. Tompkins, Jeffrey R. Morgan
- Annals of Plastic Surgery- Reconstruction of gunshot wounds to the feet with free gracilis muscle flaps, Lee L.Q.Pu
2003;50:286-291 Daniel A. Medalie, Steven Lawrence
- Plastic Surgical Forum-Limb salvage of lower extremity wounds with free tissue transfer in difficult patients
XXV; 2002 Lee L.Q. Pu, Daniel A. Medalie, William J. Rosenblum, Steven J. Lawrence, Henry C. Vasconez
- Plastic Surgical Forum-Perforator based adipofascial and fasciocutaneous flaps for the treatment of difficult lower
XXV; 2002 extremity wounds, Daniel A. Medalie,
- Plastic Surgical Forum-Free flap treatment of congenital pressure necrosis of the forearm in the neonate
XXV; 2002 Daniel A. Medalie,

- Annals of Plastic Surgery- Perforator-based forearm and hand adipofascial flaps for the coverage of difficult dorsal
48:477-83, 2002 hand wounds, Daniel A. Medalie
- Annals of Plastic Surgery- Pre-existing gastric carcinoid in a gastro-omental free flap: A case report, Brian C. Rich,
47(4):435-437, 2001 Daniel A. Medalie, and Michael J. White
- Plastic Surgical Forum-Rapid generation of 3-D CT scans and printer models for pre-operative planning of
XXIV; 2001 craniofacial and head and neck surgery, Daniel A. Medalie, David L. Robbins, Henry C. Vasconez
- Blackwell Science, 2001- Prophylactic mastectomy, Kenneth Shestak, Daniel A. Medalie, and Scott L. Williams in
(book chapter) Management of Patients at High Risk for Breast Cancer, ed. Victor G. Vogel
- Plastic Surgical Forum- The dorsal forearm adipofascial flap: An alternative method of coverage for difficult
XXIII:59-61, 2000 dorsal hand wounds, Daniel A. Medalie and Phillip Blazer
- Journal of Investigative- Characterization of a composite tissue model which supports
Dermatology, 111:810-clonal growth of human melanocytes in vitro and in vivo, Daniel A. Medalie,
816, 1998 Ronald G. Tompkins, Jeffrey R. Morgan
- Humana Press, 1998- Preparation and transplantation of a composite graft of epidermal
(book chapter) keratinocytes on acellular dermis, Daniel A. Medalie and Jeffrey R. Morgan in Tissue Engineering, ed. Jeffery R. Morgan and Martin Yarmush
- Human Gene Therapy,- Genetically modified human keratinocytes overexpressing PDGF-A
9:529-539, 1998 enhance the performance of a composite skin graft, Sabine A. Eming, Daniel A. Medalie, Ronald G. Tompkins, Martin L. Yarmush, Jeffrey R. Morga
- Transplantation, 64:454-- Differences in dermal analogs Influence subsequent pigmentation,
465, 1997 epidermal differentiation, basement membrane and rete ridge formation
of transplanted composite skin grafts, Daniel A. Medalie, Sabine A. Eming, Maura E. Collins,
Ronald G. Tompkins, Martin L. Yarmush, Jeffrey R. Morgan
- Nature Medicine, 2(11): - Corrective gene transfer in the human skin disorder lamellar
1263-1267, 1996 ichthyosis, Keith A. Choate, Daniel A. Medalie, Jeff R. Morgan, and Paul A. Khavari
- ASAIO Journal, 42:m455- Evaluation of acellular human dermis as a dermal analog in a

- m462, 1996 composite skin graft, Daniel A. Medalie, Ronald G. Tompkins, Jeffrey R. Morgan
- Journal of Investigative- Evaluation of human skin reconstituted from composite grafts of Dermatology, 107: 121- cultured keratinocytes and human acellular dermis transplanted to 127, 1996 athymic mice, Daniel A. Medalie, Sabine A. Eming, Ronald G. Tompkins, Martin L. Yarmush, Gerald G. Krueger, Jeffrey R. Morgan
 - Journal of Clinical - Effect of luteal E2 on the secretary transformation of human Endocrinology and endometrium and plasma gonadotropins, D. De Ziegler, C. Bergeron, D.A. Medalie, Metabolism, 74(2): C. Cornell, M.R. Massai, R. Frydman, P. Bouchard 332-31, 1992
 - Bailieres Clinical- Immunocytochemical localization of oestradiol and progesterone Obstetrics and receptors in human endometrium: a tool to assess endometrial Gynaecology. 5(1):107- maturation, P. Bouchard, J. Marraoui, MR. Massai, D.A. Medalie, D. De Ziegler, 15,1991 M. Perrot-Appanat, R. Frydman, C. Bergeron
 - Elsevier Co., Amsterdam,- Mechanisms of action and clinical uses of GnRH antagonists in 1990 women, P. Bouchard, D.A. Medalie, M.R. Massai, S. Dubordieu, D. Charbonnel, R. (book chapter) Frydman, G. Schaison, I.M. Spitz. in GnRH and Gonadal Peptides,ed. P. Bouchard, F. Haour, B. Schatz

JURIED ABSTRACTS (POSTERS AND ORAL PRESENTATIONS)

- Ohio Valley Plastic & - Acellular Human Dermis (Alloderm) As An Adjunct To Abdominal Wall Reconstruction Reconstructive Surgeons Daniel A. Medalie, (oral presentation-2005)
- Ohio Valley Plastic &- The V.A.C. device in combination with The Cook Internal Doppler for post-operative Reconstructive Surgeons therapy of free flaps to the lower extremity, Daniel A. Medalie (oral presentation-2005)
- Plastic Surgical Forum- Acellular human dermis as an adjunct to plastic surgical reconstruction XXVII; (poster 2004) Daniel A. Medalie

- Plastic Surgical Forum-Genetically modified skin substitutes overexpressing IGF and EGF synergistically alter the wound healing environment, Daniel A. Medalie, Ronald G. Tompkins, Jeffrey R. Morgan
XXVI; (poster 2004)
- Plastic Surgical Forum -Limb salvage of lower extremity wounds with free tissue transfer in difficult patients, Daniel A. Medalie, William J. Rosenblum, Steven J. Lawrence, Henry C. Vasconez
XXV (oral 2003)
- Plastic Surgical Forum -Perforator based adipofascial and fasciocutaneous flaps for the treatment of difficult lower extremity wounds, Daniel A. Medalie,
XXV (oral 2003)
- Plastic Surgical Forum -Free flap treatment of congenital pressure necrosis of the forearm in the neonate,
XXV (poster 2003) Daniel A. Medalie,
- Southeastern Society of - Reconstruction of gunshot wounds to the feet with free gracilis muscle flaps, Lee L.Q.Pu
Plastic & Reconstructive Surgeons, 2002
(oral presentation)
- American Society of Plastic - Rapid generation of 3-D CT scans and 3-D printer models for pre-operative planning
Surgery, 2001 of craniofacial and head and neck surgery, Daniel A. Medalie and David Robbins
(poster)
- Plastic Surgery Research - Rapid generation of 3-D CT scans and 3-D printer models for pre-operative planning
Council, 2001 of craniofacial and head and neck surgery, Daniel A. Medalie and David Robbins
(oral presentation)
- Southeastern Society of - Distally based forearm and hand adipofascial flaps for the coverage of difficult dorsal hand wounds, Daniel A. Medalie
Plastic & Reconstructive Surgeons, 2001
(oral presentation)
- Spanish Society for - The iliacus muscle flap: A new flap for microvascular coverage of small tissue defects,
Plastic Surgery, 2001 Daniel A. Medalie
(oral presentation)
- Spanish Society for - Tissue engineering approaches to aesthetic deformities,
Daniel A. Medalie
Plastic Surgery, 2001
(oral presentation)
- Kentucky Society of - Free flaps in the neonate, Brian P. Joseph, Daniel A. Medalie
Plastic Surgeons, 2000
(oral presentation)

- Kentucky Society of - Lower extremity reconstruction using deep circumflex iliac artery flaps,
Plastic Surgeons, 2000 Stephen Schantz, Daniel A. Medalie
(oral presentation)
- American Society of - The dorsal forearm adipofascial flap: An alternative method of coverage
Plastic Surgeons, 2000 for difficult dorsal hand wounds, Daniel A. Medalie, Phillip Blazer
(oral presentation)
- Ohio Valley Society for - The adipofascial turn-over flap, Brian P. Joseph, Josef Zoldos,
Plastic & Reconstructive Henry C. Vasconez, Daniel A. Medalie
Surgery, 2000 (Won 1st Place Award for Best Paper)
(oral presentation)
- University of Kentucky - Photopolymerizable Hydrogels, Daniel A. Medalie
Bone Research Forum,
2000 (oral presentation)
- Plastic Surgery Research - Genetically modified composite skin equivalents uniquely
Council, 1999 (oral modulate the wound healing environment, Daniel A. Medalie, Ronald G.
presentation) Tompkins, Martin L. Yarmush and Jeffrey R. Morgan
- Plastic Surgery Research - The iliacus muscle flap: An anatomic and clinical evaluation,
Council, 1999 (poster) Daniel A. Medalie, Ramon Llull, David Xabel, Frederick Heckler
- Plastic Surgery Senior - Can we make better skin? Gene therapy and cultured skin
Residents Conference, equivalents, Daniel A. Medalie, Ronald G. Tompkins, Martin L. Yarmush and
1999 (oral presentation) Jeffrey R. Morgan
- Society for - In -Vivo bonding efficacy of PEG-based hydrogels to a variety of Biomaterials, 1999 internal tissues, A. Coury, P. Hebda, J. Mao, D. Medalie, S. Barman, E.
(abstract) Doherty, S. Goodrich, B. Poff, J. Rajartnam, J. Terrazzano, D. Warnock
- Pennsylvania Ivy - The iliacus muscle flap: An anatomic and clinical evaluation,
Society, 1999 Daniel A. Medalie, Ramon Llull, David Xabel, Frederick Heckler
(oral presentation)
- Ohio Valley Plastic - An evaluation of the effects of early surgery on subsequent
Surgery Society, 1998 parental adjustment to a visible congenital anomaly, Daniel A. Medalie,
(oral presentation) Lloyd Champagne, E. Douglas Newton, Robert Bragdon

- Pennsylvania Ivy - Neonatal vs. standard cleft lip repair, Daniel A. Medalie, Lloyd Society, 1998 Champagne, E. Douglas Newton, Robert Bragdon (oral presentation)
- American College of - The use of composite skin grafts containing genetically modified Surgeons, Surgical keratinocytes to deliver supraphysiologic doses of KGF to wounds, Forum, 1997 Daniel A. Medalie, Ronald G. Tompkins, Martin L. Yarmush and Jeffrey R. Morgan (oral presentation)
- Ohio Valley Plastic - Efficacy and differences in transplantable human skin equivalents, Surgery Society, 1997 Daniel A. Medalie, Ronald G. Tompkins, Martin L. Yarmush and Jeffrey R. Morgan (oral presentation)
- Pennsylvania Ivy - Towards the rational analysis and design of a transplantable Society, 1997 human skin equivalent, Daniel A. Medalie, Ronald G. Tompkins, Martin L. (oral presentation) Yarmush and Jeffrey R. Morgan
- Plastic Surgery Research - A composite tissue model for the in vitro and in vivo study of Council, 1997 melanocyte/keratinocyte interaction: towards a better (oral presentation) understanding of skin pigment cell biology, Daniel A. Medalie, Ronald G. Tompkins, Martin L. Yarmush and Jeffrey R. Morgan
- American College of - Keratinocytes and melanocytes seeded onto acellular human dermis Surgeons, South in vitro reconstitute human skin when transplanted as composite Western Chapter, 1996 grafts to athymic mice, Daniel A. Medalie, Ronald G. Tompkins, Martin L. (oral presentation) Yarmush and Jeffrey R. Morgan
- Tissue Engineering - Cultured human keratinocytes genetically modified to overexpress Society, 1996 KGF, EGF or IGF-1 can be seeded onto human acellular dermis and (poster) transplanted as composite skin grafts to athymic mice Implications for the unique role of KGF in the stimulation of keratinocyte proliferation, Daniel A. Medalie, Kealy Ham, Ronald G. Tompkins, Martin L. Yarmush, Jeffrey R. Morgan
- Tissue Engineering - Composite grafts of keratinocytes on acellular human dermis Society, 1996 demonstrate enhanced melanocyte proliferation, basement

- (oral presentation) membrane formation and epithelial maturation when compared to composites of keratinocytes on fibroblast contracted collagen gels, Daniel A. Medalie, Ronald G. Tompkins, Martin L. Yarmush and Jeffrey R. Morgan
- Wound Healing Society, - Analysis of composite grafts of keratinocytes on human acellular 1996 dermis and comparison to composite grafts of keratinocytes on (poster) fibroblast contracted collagen gels, Daniel A. Medalie, Sabine A. Eming, Maura E. Collins, Ronald G. Tompkins, Martin L. Yarmush and Jeffrey R. Morgan
 - Wound Healing Society, - Genetically modified human keratinocytes overexpressing PDGF-A 1996 promote fibrovascular ingrowth into a dermal scaffold when (oral presentation) transplanted to athymic mice, Sabine A. Eming, Daniel A. Medalie, Ronald G. Tompkins, Martin L. Yarmush and Jeffrey R. Morgan
 - Society for - Targeted expression of EGF and IGF-1 to human keratinocytes: Investigative modification of the autocrine control of keratinocyte proliferation, Dermatology, 1996 Jeffrey R. Morgan, Sabine Eming, Daniel A. Medalie, HS Wiley, GG Kreuger (oral presentation)
 - American Bum - Evaluation of human skin reconstituted from composite grafts of Association, 1996 cultured keratinocytes and human acellular dermis transplanted to (oral presentation) athymic mice, Daniel A. Medalie, Sabine A. Eming, Ronald G. Tompkins, Martin L. Yarmush, Gerald G. Krueger, Jeffrey R. Morgan
 - ASAIO, 1996 - Evaluation of acellular human dermis as a dermal analog in a (oral presentation) composite skin graft, Daniel A. Medalie, Ronald G. Tompkins, Jeffrey R. Morgan
 - ASAIO, 1996 - Overexpression of PDGF-A enhances the performance of a (oral presentation) composite skin graft, Jeffrey R. Morgan, Sabine Eming, Daniel A. Medalie, Martin L. Yarmush, Ronald G. Tompkins
 - Endocrine Society, 1990 - GnRH antagonists: present and future uses in reproductive (abstract) medicine, P. Bouchard, D.A. Medalie, IM. Spitz.
 - Invited Lectures (International and National)
 - Russian American Medical Association-Boston, MA. "Extreme Plastic Surgery: Microsurgical Solutions for Impossible Problems" (6/2004)
 - Melanoma Update 2002 (multidisciplinary CME conference, Independence, OH)- Reconstruction of massive recurrent melanoma of the skull base (10/02)

- Spanish Society for Plastic Surgery-Majorca,Spain- The iliacus muscle flap: A new flap for microvascular coverage of small tissue defects (7/2002)
- Spanish Society for Plastic Surgery- Majorca,Spain Tissue engineering approaches to aesthetic deformities (7/2002)

Local Presentations

- Lifecell Corp. Speakers Bureau- ongoing local presentations on Acellular Human Dermis (Alloderm) As An Adjunct To Abdominal Wall Reconstruction
General Surgery Medical Student Core Curriculum- Introduction to wound healing (ongoing every 2 months)
ENT grand rounds-Tissue expansion of the scalp (9/02)
- Orthopedic grand rounds- “Advances in upper and lower extremity reconstruction”(9/02)
- Family medicine teaching rounds-“Introduction to pediatric plastic surgery” (9/02)
- General surgery grand rounds- “Care of the massively burned patient-current practice and future prophecy” (10/02)
- Family medicine, “State of the art”- “Plastic surgery in the new millennium”(10/02)
- Chagrin Highlands- Breast and body contouring in the new millennium (10/02)
- UH Landerbrook- Current trends in Plastic Surgery (11/02)
- Pediatric grand rounds- “ Lumps, bumps, spots and burns-essential of pediatric plastic surgery” (12/02)
- UH Suburban Health Center rounds- “Essentials of outpatient wound care”(3/03)
- Family Medicine teaching rounds-Hand manifestations of systemic disease (4/03)
- General surgery resident core curriculum- Three part burn care lectures (6/03)
- Ob/GYN Grand Rounds - “Vulvar and Vaginal Reconstruction” (10/03)
- General surgery grand rounds - “Extreme Plastic Surgery: Microsurgical Solutions for Impossible Problems” (11/03)
- UHRN Grand Rounds- “Current trends in Reconstructive and Aesthetic Breast Surgery” (12/03)
- General Surgery Grand rounds- Acellular Human Dermis (Alloderm) As An Adjunct To Abdominal Wall Reconstruction (03/05)
- Family medicine teaching rounds-“Introduction to pediatric congenital anomalies” (5/05)
- ENT grand rounds-Techniques for Head and Neck Reconstruction (5/05)

EXTRACURRICULAR ACTIVITIES

- Languages - French (written and oral fluency)
- Interests - Digital photography, studio art (oil, pastel, charcoal, etching), art history, science fiction, oriental carpets, martial arts (Wrestling, Judo, Brazilian Jujitsu, Taikwando), tennis, squash
- Travel - Western Europe, India, Turkey, Southeast Asia, North Africa, Central America