

CURRICULUM VITAE

NAME: Thomas A. Mustoe, M.D.

DATE OF BIRTH: June 29, 1951

PLACE OF BIRTH: Columbia, Missouri

MARITAL STATUS: Wife - Kathryn C. Stallcup
Children - Anthony, born 4/29/87
Elisabeth, born 5/3/89

SOCIAL SECURITY NUMBER: Available upon request

OFFICE ADDRESS: TLKM Plastic Surgery
737 N. Michigan Avenue, Suite 1500
Chicago, Illinois 60611

EDUCATION: New Trier West High School, graduated 1969
Northfield, Illinois

Harvard College
Cambridge, Massachusetts
1969-1973, B.A., cum laude in Biology

Harvard Medical School
Boston, Massachusetts
1973-1978, M.D., cum laude

GRADUATE CLINICAL AND RESEARCH EXPERIENCE: Research Associate, Department of Microbiology
Harvard Medical School
1976-1977, Research Advisor: Bernard N. Fields, M.D.

INTERNSHIP: Massachusetts General Hospital
Boston, Massachusetts
1978-1979, Medicine

RESIDENCIES: Peter Bent Brigham Hospital
Boston, Massachusetts
1979-1980, Surgery

Massachusetts Eye and Ear Infirmary
Boston, Massachusetts
1980-1983, Otolaryngology; Chief Resident 1982-1983

Brigham and Women's Hospital and Children's Hospital
Boston, Massachusetts
1983-1984, Plastic Surgery; Chief Resident, 1984-1985

PREVIOUS ACADEMIC APPOINTMENTS:

JPRAS 60: 64-72, 2007.

Teacher, High School Biology, New England Hebrew Academy
1972-1973 (while a senior at Harvard College)

Washington University School of Medicine
St. Louis, Missouri
Assistant Professor of Surgery (Plastic and Reconstructive), 1985-1989
Associate Professor of Surgery (Plastic and Reconstructive), 1989-1991

CURRENT ACADEMIC APPOINTMENTS:

Northwestern University Medical School
Professor of Surgery, July 1991 to present
Lucille and Orion Stuteville Professor of Plastic Surgery 2010 present
Chief, Division of Plastic and Reconstructive Surgery, July 1991-2010

HOSPITAL APPOINTMENTS:

Northwestern Memorial Hospital, July 1991 to present; Chief of Plastic Surgery 1991 -
2010
Evanston Hospital, July 1991 to present; Chief of Plastic Surgery 1996-2000
Children's Memorial Hospital, February 1992 to present
Shriners Hospital of Chicago, January 1994 to present

LICENSURE:

Missouri, 1985, R9E43
Illinois, 1991, 036-08-2162

CERTIFICATION:

American Board of Otolaryngology, 1983
American Board of Plastic Surgery, 1987

MEDICAL AND ACADEMIC SOCIETIES:

Aesculapian Club, Harvard Medical School
American Medical Association
Massachusetts Medical Society, 1983-1990
Missouri State Medical Society, 1985-1990
American College of Surgeons, Fellow
Surgical Biology Club III, American College of Surgeons
American Society of Plastic and Reconstructive Surgery
Plastic Surgery Research Council

JPRAS 60: 64-72, 2007.

St. Louis Metropolitan Medical Society, 1985-1991
St. Louis Surgical Society, 1985-1991
Sigma Xi, The Scientific Research Society
Society of Head and Neck Surgeons
Society of University Surgeons
Wound Healing Society
Association of Academic Chairman Plastic Surgery
Midwest Association of Plastic Surgeons
Chicago Plastic Surgical Society
Chicago Surgical Society
Double Boarded Society
American Association of Plastic Surgery
Lipoplasty Society of North America
European Tissue Repair Society

HONORS AND AWARDS:

Harvard National Scholarship, 1969-1973
Varsity Letter Basketball, Harvard College, 1970-1973
Rhodes Scholar Candidate, Harvard College, 1973
Co-Chairman, Boylston Medical Society, Harvard Medical School, 1977
Soma Weiss Award, for undergraduate research, Harvard Medical School, 1978
Co-Chairman, Gordon Research Conference, 1995
Who's Who in American Medicine and Health Care, 1995-
The Best Doctors in America, 1st Edition, 1992, 2nd Edition, 1994, 3d Edition, 1996, 4th
Edition, 1998, 2004, 2006, 2007, 2009, 2011, 2013
The Best Doctors in America: Midwest Region, 1996-2013, all editions to present
Who's Who in America, 1996-
Who's Who in the World 2000-
Am. Soc. Plastic Surgery Media Spokesperson 1998-
Top Chicago Doctors, Chicago Magazine: 1998, 2001, 2004, 2006, 2007, 2008, 2009,
2010, 2011, 2012, 2013
Guide to Top Doctors 2002, 2004, 2006, 2008, 2010, 2012
www.GuideToTopDoctors.org Center for the Study of Services, Washington DC
Guide to America's Top Physicians, Consumers Research Council of America 2003-13
US News and World Report 2011-12. Guide to Top 1% Physicians in U.S.A.
(Plastic Surgery)
America's Top Doctors. The Best in American Medicine. A Castle Connolly Guide
2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011
America's Top Doctors: Ten Straight Years, Castle Connolly.
Chicago Super Doctors 2012
Vitals.Com Top 10 Doctor (awarded to <3% of physicians in USA), 2013
Wound Healing Society. Lifetime Achievement Award Awarded, May, 2004.

JPRAS 60: 64-72, 2007.

Board of Directors, American Board of Plastic Surgery, 2006-2012

COMMITTEE APPOINTMENTS:

UNIVERSITY:

Washington University

Cancer Committee, Barnes Hospital, 1985-1990

Cancer Committee, Jewish Hospital, 1986-1988

Faculty Senate Council, Washington University, 1990

Barnes Hospital Liaison Fellow to the American College of Surgeons Cancer
Commission, 1985-1987

Clinical Services Committee, Washington University Medical Center Cancer Center;
Chairman, Clinical Subcommittee, 1987

Northwestern University

Surgery Executive Committee, Northwestern University, 1991-present

Medical School Curriculum Committee Interdisciplinary Teaching Group:
Mechanisms of Disease, 1991-1992

Medical School Research Space Allocation Committee, 1992-1995

Committee Promotion & Tenure, Department of Surgery, 1994-

Research Committee, Department of Surgery, 1994-

University Committee for External Review, Department of Medicine, 1995

Chairman, Promotion and Tenure Committee, Dept. of Surgery, 1996-2010

Medical School LCME, self-study report on Governance / Administrative, 1996.

Medical School Council for Research, 1999-2001

Chair, ad hoc Committee for Surgical Professor Candidate, 1999

Search Committee, Chair of Dermatology, 2000

Chair, ad hoc Committee for Gastroenterology Professor Candidate, 2001

Chair, Search Committee for Chief of Transplantation, 2003

Chair, ad hoc Committee for Infectious Disease Professor Candidate, 2008

Chair, ad hoc Committee for Pulmonary Professor Candidate, 2010

HOSPITAL:

Northwestern Memorial Hospital

Cancer Committee, Northwestern Memorial Hospital, 1991-1999

Surgical Chiefs and Chairmen, Northwestern Memorial Hospital, 1991-2010

Evanston Hospital

Operating Room Committee 1996-1998

JPRAS 60: 64-72, 2007.

Northwestern Medical Faculty Foundation

Ambulatory Care Committee, Northwestern Medical Faculty Foundation, 1992
Ad Hoc Compensation Committee, 1993,
At Large Member, Board of Directors, 1993 - 1996
Ad Hoc Compensation Committee, 1995 – 1996, 1998
Risk Management Committee, 1994-1995
Finance Committee, 1995-1996

NATIONAL:

American Board of Plastic Surgery Board Member 2006-2012

Treasurer, American Board of Plastic Surgery 2010-2012

American Board of Medical Specialties, Board of Directors 2010 - present

American Society Plastic and Reconstructive Surgery

Research Fund Proposal Committee, Plastic Surgery Education Foundation, 1987-1992
Scientific Program Committee, 1993-1995
Co-Chairman, General Reconstruction Subcommittee, Scientific Program Committee, 1995
Plastic Surgery Educational Foundation Maxillofacial Subcommittee Examiner for
In-Service Exam, National Board of Medical Examiners, 1988, 1989
Plastic Surgery Device Committee, 1989-1993
Resource Book for Plastic Surgery Residents Committee, 1991-1993
Chairman, Resource Book Committee, 1993-1994
Socioeconomic Committee, 1992-1994
Chairman, Device and Technique Assessment Committee, 1994 – 1996
Domestic Clinical Symposia Committee, Plastic Surgery Educational Foundation, 1992-1995
Educational Technology Committee, 1994 - 1995
Advisory Implant Group, 1994 - 1996
Task Force For Outcomes & Guidelines, 1995 - 1997
Ultrasonic Liposuction Task Force, PSEF Representative, 1995 - 1997
Regulatory Device Committee, 1995 - 1996
Regulatory Evaluation Committee, PSEF DATA Committee Rep., 1995-1997
Guidelines Committee, 1995- 1996
Medical Effectiveness Research Committee, 1994-1998
PRS Publication Committee, 1997,8
Membership Committee, 1997-2000
Instructional Course Committee, 1997, 1998
Task Force on Surgery in General Exam, 1998
Research Fellowship Committee, 1998-2000
Chair, Instructional Course Committee, 1999-2002
Marketing Committee, 1999-2001
Exhibits Committee, 1999-2001
Scientific Program Committee, 1999-2001

JPRAS 60: 64-72, 2007.

Task Force, Emerging Trends, 1999-
Convention Policy Committee 2000-3
Nominating Committee 2000

2003: Chair

ASPS: Ancillary Program Work Group of the Annual Meeting Council

ASPS: Scientific Program Evaluation Committee

Member

ASPS: Policy and Strategic Development Work Group of the Annual Meeting Council

ASPS: Scientific Program Work Group of the Annual Meeting Council

PSEF: Honors Committee

Vice Chair

ASPS: Scientific Program Committee

2004: Chair, Scientific Program Committee (Program Chair for the Annual Meeting)

Member, Annual Meeting Council

2005-2007: Chair, Scientific Program Committee (Program Chair for the Annual Meeting)

2008 Chair, Annual Meeting Council

Society of Head and Neck Surgeons

Membership Committee, 1993-1995

Plastic Surgery Research Council

Plastic Surgery Research Council Committee on Industrial Relations, 1992

Judge, Plastic Surgery Research Council Snyder and Crikelair Awards, May Meeting, 1991

Plastic Surgery Research Council Representative to the Council of Academic Surgeons 11/91-11/94

Program Committee, Plastic Surgery, Research Council, 1992, 1993, 1995, 1996, 1997

Wound Healing Society

Audit Committee, Wound Healing Society, 1992

Program Committee, Wound Healing Society, 1990, 1992, 1994

Board of Directors, Wound Healing Society 1993-2001

Finance Committee, Wound Healing Society, 1994-1996

Chair, Govt Relations Committee, 1996-7

Co-Chair Scientific Program Committee, 1997

President-elect, Wound Healing Society, 1996-1997

President, Wound Healing Society, 1997-9

Vice President, Wound Healing Society, 1999-2001

Board Member, Wound Healing Foundation, 2000-5

Board of Directors Wound Healing Society, 2006-9

American Association of Plastic Surgery

Research and Education Committee, 1994

Chairman, Research and Education Committee, 1995-1996

Communications Committee, 1997-8

Research and Education Committee, 1998, 2001-3. Co-Chairman, 1999

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JPRAS 60: 64-72, 2007.

Local Arrangements Committee: 2003-4

American College of Surgeons

Committee for the Forum on Fundamental Surgical Problems (Plastic and Reconstructive Surgery Representative 1999-2005).

Lipoplasty Society of North America

Lipoplasty Education Research Foundation 1998-2000

Association of Academic Chairmen of Plastic Surgery

Executive Committee 2001-2

Nominating Committee 2003

Aesthetic Society Education and Research Foundation (Amer Soc Aesth Plastic Surgery)

Scientific Research Committee 2002-

Innovative Procedures Committee 2001-2007

Board of Directors, 2010-

American Board of Medical Specialties

Representative to ABMS Assembly 2009

ABMS Board of Directors 2010-2013

Other

Special Consultant to the Federal Drug Administration (Division of Biologics), 1994-2007

Consultant to the Dermatologics Advisory Panel Regarding Standards for Wound Healing Protocols and Approval of PDGF for Diabetic Ulcers, July, 1997

Program Committee, 4th Symposium on Advanced Wound Care, 1990

President, Double Boarded Society, 1994-1998

Assoc. Academic Chairman Plastic Surgery: Matching Program and Central Application Service Committee, 1994

Skin Diseases Interagency Coordinating Committee of NIH-FDA Venous Stasis Ulcer Panel 1996-7

Secretary, Chicago Plastic Surgery Society, 1997

Special Consultant to the Federal Drug Administration (Biologics), Scientific Panel on

Dermatologics and Ophthalmologics July 14-15,1997 re PDGF, and Standards for Chronic Wounds

Special Consultant to the FDA (Devices) Scientific Panel on General and Reconstructive Devices

RE: Dermagraft for Diabetic Ulcers, and Appligraf Graftskin for Venous Ulcers January, 1999

National Institutes of Health (NCI) Breast Implants Study Scientific Advisory Panel 1998-2003

American Board of Plastic Surgery, Invited Guest Examiner. Oxal Examinations, 1996, 1997, 1998, 1999, Senior Guest Examiner 2000, 2001

American Board of Plastic Surgery, Question Writer, and Nominee to the Board, 1999, 2000

Advisory Council for Plastic and Maxillofacial Surgery 2000-2005

American Board of Plastic Surgery, Question Writer and Nominee to the Board, 2004, 2005

JPRAS 60: 64-72, 2007.

EDITORIAL BOARDS:

Wound Repair and Regeneration 1992 -

Archives of Surgery 1993 -2003

Editorial Review Group Chair, Plastic Surgery; Doody's Health Science Book 1993-2003

Plastic and Reconstructive Surgery 1994 -2000

Video Journal of Plastic Surgery 1997-1999

Journal of Surgical Research 1997-2006

Recognition for Outstanding Reviewer, 1999

Angiogenesis 1998-

Seminars in Plastic Surgery 2001-2003

Plastic Reconstructive Surgery 2003 -2008

Journal American College of Surgery, 2003-

REVIEWER:

Book Reviews:

Plastic and Reconstructive Surgery

Articles:

Surgery:

Journal of Cardiothoracic Surgery

World Journal of Surgery

American Journal of Pathology

Plastic and Reconstructive Surgery

Archives of Dermatology

New England Journal of Medicine

Laryngoscope

Annals Plastic Surgery

JAMA

Journal Surgical Research

Journal Clinical Investigation

Journal of American College of Surgeons

Cancer

Archives of Surgery

Wound Repair and Regeneration

Proceedings of the National Academy of Science

Journal of Biological Chemistry

Diabetes Care

Aesthetic Surgery Journal

Annals of Surgery

Aesthetic Plastic Surgery

JPRAS 60: 64-72, 2007.

Journal of Pathology

Journal of Investigative Dermatology

Nature and Medicine

Diabetology

Laboratory Investigation

Diabetes

Grant Reviews:

Veterans Administration Merit Reviewer, Ad Hoc 1990-2000 (multiple grants)

Special Reviewer: National Institute of Health Program Project

Grant, UCSF Medical School, 1990

March of Dimes, 1990

NIH Surgery Anesthesia Trauma Study Section Ad Hoc Reviewer, 1995

Wellcome Foundation, 1995,1997

Spinal Cord Paralysis Foundation

Jewish Hospital Foundation, Louisville, Kentucky

NIH Surgery Anesthesia Trauma Study Section Ad Hoc Reviewer, 2000

Smile Train/Plastic Surgery Educational Foundation Cleft Lip/ Palate Grants, 2001

Research Into Aging Foundation; London, England, 2001

Ad Hoc Reviewer: NIH General Medical Sciences Post Doctoral Training Grant, 2002

Ad Hoc Reviewer, NIH Special Study Section on Skin, 2006

Ad Hoc Reviewer, NIH/NIAID Special Emphasis Panel, March 13, 2007: Partnerships to Improve Diagnosis and Treatment of Selected Drug Resistant Healthcare-Associated Infections

Ad Hoc Reviewer, NIH Surgery Anesthesia Trauma Study Section, January 2009

JPRAS 60: 64-72, 2007.

GRANTS: (Direct Costs)

\$15,000 Washington University School of Medicine
Biomedical Research Support Grant
1986

\$115,000, Amgen Corporation
Study of Growth Factors in Wound Healing
Principal Co-Investigator
1986-1987

\$96,837 - Genetech Corporation
Study of Growth Factors in Wound Healing
Principal Co-Investigator
1987-1988

\$350,000 - National Institute of Health
Growth Factors in Surgical Wound Healing
1989-1994

\$120,000 - Schering Plough Corporation
Iamin Cream in Leg Ulcers: Clinical
Principal Investigator
1990

\$6,500 - Amgen Corporation
Study of Growth Factors in Wound Healing
1990

\$10,000 - Dow Corning Wright
Silicone Gel in Surgical Incisions and Hand Patients
1990

\$44,000 - Imclone Corporation
Study of Growth Factors in Wound Healing
1990

\$16,000 Sherwood Medical
Study of Yeast Extract in Wound Healing
1990

\$6,500 - Monsanto Corporation
Study of Growth Factors in Wound Healing
Principal Investigator

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1990

\$18,000 - U.S. Surgical Corporation
Growth Factors in Wound Healing
1991

\$22,000 - Amgen Corporation
Growth Factors in Wound Healing
1991

\$20,000 - Marrow-Tech Corporation
Fibroblast Dermal Graft in Venous Leg Ulcers - Clinical
1991-1992

\$7,660.80 - Genetics Institute
Growth Factors in Wound Healing
1992

\$16,524 - Curative Technologies, Inc.
Growth Factors in Wound Healing
1992

\$12,600 - Synergen, Inc.
Growth Factors in Wound Healing
1992

\$75,000 - U.S. Surgical Corporation
Growth Factors in Wound Healing
1992

\$140,000 - Amgen Corporation
Venous Leg Ulcer Trial
1992

\$6,006 - Pro-Neuron, Inc.
Growth Factors in Wound Healing
1992

\$11,600 - Synergen, Inc.
Growth Factors in Wound Healing
1993

\$75,000 - U.S. Surgical Corporation
Growth Factors in Wound Healing

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1993

\$12,912 - Curative Technology, Inc.
Growth Factors in Wound Healing
1993

\$52,000 - Pro-Neuron, Inc.
Nucleotides in Wound Healing
1993

\$55,000 - Pro-Neuron
1994

\$80,000 - U.S. Surgical
1994

\$22,000 - Amgen
Growth Factors in Wound Healing
1994

\$17,000 - Biosurface Technology
Membrane Components in Wound Healing
1994

\$26,000 - CIBA-Geigy
TFGB3 in Wound Healing
1994-1995

\$299,000 - National Institute of Health
Growth Factors in Surgical Wound Healing
1994-1996

\$120,000 - U.S. Surgical
1995

\$77,599 - Pro-Neuron
1995

\$35,000 - CIBA-Geigy
TGFB3 in Wound Healing
1995-1996

\$140,000 - United States Surgical
Charged Beads in Wound Healing

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1996

\$4,900 - Plastic Surgery Educational Foundation
Keratinocyte Migration in Aging and Hypoxia
1996

\$140,000 - United States Surgical
Charged Beads in Wound Healing
1997

\$7,900 - Human Genome Science
KGFII in Ischemic Rabbit Ear, and Scar Model
1997

\$4,800 – Searle
Development of Angiogenesis Model
1997

\$7,500 - Buehler Foundation
Fibroblast Migration in Aging
1997

\$5,000 - Plastic Surgery Educational Foundation
Fibroblast Migration in Aging and Hypoxia
1997

\$5,000 - Plastic Surgery Educational Foundation
Transgenic Mice and Wound
Healing
1997

\$8,000 - Human Genome Science
KGFII in Ischemic Rabbit Ear Model
1998

\$13,500 – Scios
Basic Fibroblast Growth Factor in Rabbit and Rat Models
1998

\$8,500 – Sechrist
Hyperbaric Oxygen and Signal transduction in Aging Model of Ischemic Wound
Healing
1998

JPRAS 60: 64-72, 2007.

\$135,000 - US Surgical
Charged Beads in Wound Healing
1998

\$5,000 – Glaxo
Use of Zofran to Prevent Nausea in Conscious Sedation Patients
1998

\$12,000 - Human Genome Sciences
KGFII in Ischemic Rabbit Ear Model
1998

\$12,000 – Genzyme
Antiscarring agents in Wound Healing
1998

\$11,000 - Selective Genetics: Gene Therapy in Wound Healing
1999

\$18,000 – Genzyme
Antiscarring agents in Wound Healing
1999

\$556,000 - NIH RO1
Growth Factors in Wound Healing, Competitive Renewal
August 1999-2003 Initiation of Funding (4 years)

\$18,000 – Thermogenesis
Platelet extracts in Wound Healing
1999

\$9,500 - Cell Therapeutics
Application of Angio-Lipid to Rabbit Ear Dermal Ulcers (Compound CT-1332)
1999

\$57,411 – Baxter
Fibrin as a Wound Healing Agent: in vivo and in vitro studies
1999-2000

\$35,000 - Human Genome Sciences
A Phase 1, Randomized Double-Blinded, Parallel-Group, Placebo-Controlled,
Multicenter Study of Single Topical Application of 3 KGFII in Healthy Volunteers
Prior to Scheduled Abdominoplasty Patients with Full Thickness Incisional Wounds.
1999-2000

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JPRAS 60: 64-72, 2007.

\$13,000 - Selective Genetics

JPRAS 60: 64-72, 2007.

Effects of PDGF DNA on Wound Healing

2000

\$4,800 - Aesthetic Society Research Foundation

Mechanisms of Silicone Gel Sheeting in Scar Reduction

2000

\$5,000 - Aesthetic Society Research Foundation

Microchip array analysis of gene expression in keloids and hypertrophic scars

2000

\$13,000 - Buehler Research Grant

Gene array analysis of wound healing in an aged ischemic model

2000

\$12,000 – Fibrogen

Analysis of Antiscarring Compounds

2000

\$11,838 - Pfizer Limited

Analysis of Antiscarring Compounds

2001

\$57,920 - Chiron Corporation

The Effect of Formulation on the ability of basic Fibroblast Growth Factor (FGF-2) to Promote Wound Healing in a rabbit ischemic ear model protocol

2001

\$10,000 – Oxyfast

The Potential Utility of the Oxyfast Device in an Animal Ischemic Wound Healing Model

2001

\$42,034 – NIH R01 GM41303-11S1 Supplemental Award

Impact of Aging, Ischemia and Cytokines on Wound Healing. Administrative Supplement for Microarray Analysis

\$37,905 - Transition Therapeutics Inc.

Testing Model for the TTD Peptide as an Anti-Scarring Compound

2001

\$12,197 - CuraGen Corporation

Biological Assays with CuraProtein 30664188 and CuraProtein 208458

JPRAS 60: 64-72, 2007.

2001

\$10,000 - Siragusa Foundation Wound Healing

2001

\$16,000 - Canji, Inc.

The Impact of rAd-KGjF02 in a Rabbit Ear Ischemic Wound Healing Model

2001

\$24,000 - Geron Corporation.

HTERT Testing in Aged Rabbits-Rabbit Ischemic Ear Model for Wound Healing.

\$6,628 - Selective Genetics

FGF Gene Therapy for Tram Wound Healing

2001

\$6,479 - Selective Genetics

PDGF Gene Therapy for Tendon Wound Healing

2001

\$11,900 - Selective Genetics

Gene Therapy and TRAM (Project Equipment)

2001

\$7,151 - Selective Genetics

Effects of PDGF on Wound Healing in TRAM

2001

\$10,000 - Siragusa Foundation

Wound Healing

2002

\$6455 - Genzyme Corporation

Effect of ID11 on Incisional Wound Breaking Strength

\$12,000 - Pfizer Corporation

Effect of Pfizer compound on dermal scarring

2002

JPRAS 60: 64-72, 2007.

\$1,100,000 - National Institute of Health
Role of TGF-B in Excessive Scarring: A Cutaneous Model
2002 - 2007

\$16,505 - Novartis Pharmaceuticals Corporation
Randomised Blinded, Placebo-Controlled Trial on the Effect of a Plant-Based Wound-
Healing Cream on Incision and Excision Wounds in Rats and Rabbits Respectively
2002

\$75,000 - Baxter
Fibrin Sealant: Potential Applications for Wound Healing
2002 - 2003

\$10,000 - Siragusa Foundation
Wound Healing
2003

\$5,000 - Plastic Surgery Educational Foundation
Effect of Retroviral Delivery of the DANCE Gene in Acute Wound Healing
2003

\$10,000 - Siragusa Foundation
Wound Healing
2004

\$42,800 - Glaxco Smith Kline
The effects on an antiscarring compound on the rabbit dermal ulcer model
2004

\$10,000 - Siragusa Foundation
Wound Healing
2005, 2006, 2007, 2008, 2009

\$39,060 - Advanced Bio-Technologies, Inc.
Effects of Topically Applied Silicone Gel Sheeting Kelo-cote in the Rabbit Model of
Hypertrophic Scarring
2005, 2006

JPRAS 60: 64-72, 2007.

\$120,000 – DARPA

Subcontract to Study Metal-Skin interface in Prostheses

2006

\$45,000 - Quark Biotechnology

Use of siRNA in Wound Healing Models to Augment Wound healing and minimize ischemia reperfusion injury in skin

2006, 2007

\$80,000 – Pfizer

The effects of an antiscarring compound on the rabbit dermal ulcer model

2006

\$203,850 - (total for 1 year, 2006-7)

NIH/NIGMS

Epithelial-connective tissue interactions: Influence on scar formation

2006-2010

\$15,000 - Valeant Pharmaceuticals

Evaluation of Dermatrix Silicone Gel in Rabbit Ear Model

\$12,000 - Siragusa Foundation

Aging in Wound Healing

2007

\$40,000 – Wellpoint

Compounds in Wound Healing, Scarring

2008

\$30,000 – Orthologic

Compounds in Scarring

National Institute of Health/National Institute of General Medical Sciences

Epithelial-connective Tissue interactions: Influence on Scar Formation.

2008 - 2010

\$80,000/yr – AFIRM

Department of Defense (our portion of the overall: Grant)

Rabbit Models for Scarring

JPRAS 60: 64-72, 2007.

2008-2012

Department of Defense/Armed Forces Institute for Regenerative Medicine
Attenuate Inflammation, Prevent Infection, and Promote Non Scar Healing After
Burns and Severe Battle Trauma (AFIRM)

2008 - 2013

US Army Medical Research and Material Command
The role of Klebsiella Pneumonia in Biofilm, as an Etiology of Chronic Infection in
War Injury

2009 - 2010

US Army Medical Research and Material Commands
Stem Cell Therapy for Healing Wounded Skin and Soft Tissues

2010 - 2013

Naval Medical Research Unit San Antonio
Intergovernmental Personal Act Agreement for Seok Jong Hong

2011 – 2012

US Army Medical Research and Material Command
The Use of an In-Vivo Bioreactor as a Biologic Platform for the Guided Self-
Contained Fabrication of a Composite Facial Regenerate

2011 - 2012

US Army Medical Research and Material Command / IKOR, Inc.
Stabilized Hemoglobin Wound Healing Development

2011 - 2013

Biotime, Inc.

The effect of hyaluronan-based hydrogel on the survival of adipocytes graft

2012 – 2015

Molteni Therapeutics s.r.l.

Effectiveness of antimicrobial photodynamic therapy with a novel photosensitizer
RLP068 against biofilms in vivo in Pseudomonas aeruginosa biofilm rabbit ear
wound model

2013 - 2014

KLOX Technologies, Inc.

Effect of the KLOX Biophotonics system on wound healing

2013 – 2016

Galera Therapeutics

JPRAS 60: 64-72, 2007.

Effect of SOD mimetics on wound healing and hypertrophic scarring

2013 – 2016

U.S. Army Medical Research and Materiel Command

Locally applied statins to reduce scarring

2013 – 2018

miRagen Therapeutics, Inc.

MiRagen Fellowship Funding 2014

2014 - 2016

miRagen Therapeutics, Inc.

Evaluation of promiR-29 treatment regimen to prevent hypertrophic scarring

2014 – 2017

Bayer Pharma AG

The Effect of PRL5990 on Ischemic Wounds

2014 – 2017

NIH/Agile Sciences, Inc.

Development of Novel Anti-Biofilm Compounds for Treating Chronic Wounds

2015 - 2016

PATENTS:

1. Pierce GF, Mustoe TA, Deuel TF. Platelet derived growth factor use to reepithelialize wounds. Filed 1989.
2. Lewis W, Mustoe TA, Porras-Reyes BH. Taspine: A wound healing agent derived from Peruvian tree. October 1990, #585562, Approved.
3. Cox J, Mustoe TA. Wound healing properties of combination of insulin-like growth factor and insulin-like growth factor binding protein. Patent applied for, 1991
4. Mustoe, TA; Sisco M, Kryger Z. Antiscarring properties of CTGF antisense. 2008.
5. U.S. Application No.: 12/906,719
Filed: October 18, 2010
Entitled: METHODS FOR SCAR PREVENTION
Our Ref: NU28147
Inventors: Thomas Mustoe, Peter Kim, Jason Ko, Xianzhong Ding, Yanan Zhao

JPRAS 60: 64-72, 2007.

PUBLICATIONS

1. Mustoe TA, Ramig RF, Sharpe AH, Fields BN: A genetic map of reovirus. Assignment of the double-stranded RNA-positive mutant groups A, B, and G to genome segments. *Virology* 85:545, 1978.
2. Mustoe TA, Ramig RF, Sharpe AH, Fields BN: Genetics of reovirus: Identification of the dsRNA segments encoding the polypeptides of the mu and sigma size classes. *Virology* 89:594, 1978.
3. Sharpe AH, Ramig RF, Mustoe TA, Fields BN: A genetic map of reovirus. I. Correlation of genome RNAs between serotypes 1, 2, and 3. *Virology* 84:63, 1978.
4. Ramig RF, Mustoe TA, Sharpe AH, Fields BN: A genetic map of reovirus. II. Assignment of the double-stranded RNA-negative mutant groups C, D, and E to genome segments. *Virology* 85:531, 1978.
5. Weiner HL, Ramig RF, Mustoe TA, Fields BN: Identification of the gene coding for the hemagglutinin of reovirus. *Virology* 86:581, 1978.
6. Mustoe TA, Strome M: Adult epiglottitis. *Am J Otolaryngol* 4:393-399, 1983.
7. Mustoe TA, Fried MP, Goodman ML, Kelly JH, Strome M: Osteosclerotic plasmacytoma of maxillary bone. *J Laryngol Otol* 98:929-939, 1984.
8. Mustoe TA, Upton J, Marcellino V, Tun CJ, Rossier AB, Hackend HJ: Carcinomas in chronic pressure sore: A fulminant disease process. *Plast Reconstr Surg* 77:116-120, 1986.
9. Strome M, Mustoe TA, Kelly JH: Voice rehabilitation following laryngectomy. *Arch Otolaryngol* 112:1168-1171, 1986.
10. Norris CM, Mustoe TA, Ross JS, Goodman ML: Desmoplastic squamous cell carcinoma of the tongue simulating myositis or fasciitis. *Head Neck Surg* 9:51-55, 1986.
11. Mustoe TA, Fried MP, Horwitz Z, Botnick LE, Strome M: Reconstruction of the cervical esophagus by free jejunal flaps transfer: Experimental study in the dog. *Ann Otolaryngol (Paris)* 103:227-233, 1986.

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94. Kryger ZB, Sisco M, Roy NK, Mustoe TA. The Temporal Expression of the TGF-beta Pathway in the Rabbit Ear Model of Hypertrophic Scarring. *Wound Repair and Regeneration* Vol. 13 A13, 2005.
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96. Kloeters O, Kim JYS, Mustoe TA. Occlusive Dressing Reduces Inflammatory Response and Alters Connexin Expression in a Rat Incisional Model. *Wound Repair and Regeneration* Vol. 13 A26, 2005.
97. Brown RJ, Rosenberg DS, Lu L, Segura T, Houchin T, Shea LD, Mustoe TA. Application of a Novel Crosslinked Glycosaminoglycan Hydrogel Scaffold Improves Healing in a Rabbit Ear Ulcer Model. *Wound Repair and Regeneration* Vol. 13 A32, 2005.

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98. Roy NK, Jia S-X, Mustoe TA. Transcriptional changes of cytokines and extracellular matrix genes during remodeling and maturation phases of rabbit hypertrophic scar: a laser capture micro-dissection study. *Wound Repair and Regeneration*. 15:A20, 2007.
99. O'Shaughnessy KD, Kim P, Roy NK, Mustoe TA. Antisense oligonucleotides to TGF-Beta and CTGF decrease hypertrophic scarring in a rabbit ear model. *Wound Repair and Regeneration* 15: A20, 2007.
100. Schierle CF, O'Shaughnessy KO, Ding X Z, Galiano RD, Mustoe TA. Silicone gel occlusion suppresses epidermal hydration in a murine cutaneous wound model. *Wound Repair and Regeneration* 15:A23, 2007.
101. Jia S, Ding X Z, Mustoe TA. Topically applied silicone gel ointment (kelo-cote) can significantly reduce scarring in a rabbit ear model. *Wound Repair and Regeneration*. 15:A50, 2007.
102. O'Shaughnessy KD, Roy NK, Mustoe TA. Occlusion decreases hypertrophic scarring in a rabbit ear model. *Wound Repair and Regeneration* 15:A51, 2007.
103. Gallant-Behm C, Mustoe TA. A Novel model of wound repair in the vaginal mucosa. *Wound Repair and Regeneration* 17: A17, 2009.
104. Vorstenboch J, Gallant-Behm C, Fang R, Mathur S, Mustoe TA, Philip A. Transgenic mice overexpressing CD109 in the epidermis display a modified wound healing response. *Wound Repair and Regeneration*. 17:A22, 2009.
105. Gurjala AN, Leung KP, Galiano RD, Mustoe TA. Staphylococcus aureus and epidermidis bacterial biofilms delays wound healing in a novel model in the rabbit. *Wound Repair and Regeneration* 17: A26, 2009.
106. Gallant-Behm C, Roy N, Mustoe TA. Epidermal activation in skin but not mucosa following injury: a potential mechanism for the regulation of scarring. *Wound Repair and Regeneration* 17:A28:, 2009
107. Zhao Y, Jia S, Mustoe TA. Effect of Dressing Change on wound healing: Study in a rabbit ear model. *Wound Repair and Regeneration* 17:A36, 2009.
108. Jia S, Ding X-Z, Mustoe TA. Effect of Topically Applied Collagenase on ischemic wound healing. *Wound Repair and Regeneration* 17: A39, 2009.
109. De La Garza, M, Jin D P, Mustoe TA, Galiano R. Validation of a novel murine bioreactor for tissue regeneration and engineering. *Wound Repair and Regeneration* 17:A42, 2009.

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110. Gurjala AN, O'Shaugnessey K, Schierle C, Mustoe TA. Epidermal activity plays a key role in the pathogenesis of hypertrophic scar. *Wound Repair and Regeneration* 17:A48, 2009.
111. Roy N, Mustoe TA. Hypoxic induction of type 1 collagen gene is regulated by hypoxia inducible factor alpha. *Wound Repair and Regeneration* 17: A49, 2009.
112. Jia S, Zhao Y, Singer AJ, Clark RA, Mustoe TA. Effects of systemically administered curcumin on non-ischemic and ischemic wound healing, ischemia reperfusion injury and scarring in the rabbit ear model. *Wound Repair and Regeneration* 19: A29, 2011.
113. Seth AK, Geringer MR, Gurjala AN, Hong SK, Galiano RD, Leung KP, Mustoe TA. Quantitative analysis and comparison of *in vivo* klebsiella pneumonia and pseudomonas aeruginosa biofilms: a study of virulence using a rabbit ear model. *Wound Repair and Regeneration* 19: A50, 2011.
114. Steinberg JP, Hong SJ, Galiano RD, Mustoe TA. Biotherapeutic potential of topically delivered adipose-derived stem cells in the ischemic rabbit ear model for chronic wounds. *Wound Repair and Regeneration*. 19:A53, 2011.
115. Xu W, Hong SJ, Jia S, Zhao Y, Galiano RD, Mustoe TA. Application of an *ex vivo* human skin culture in cutaneous wound healing study. *Wound Repair and Regeneration* 19: A60, 2011.
116. Zhao Y, Jia S, Gurja AN, Mustoe TA. The development of ischemia and reperfusion model in a rabbit ear. *Wound Repair and Regeneration*. 19: A62, 2011.
117. Gurjala AN, Geringer M, Galiano RD, Mustoe TA, Leung KP. The host immune response fails to prevent klebsiella pneumonia from rapidly forming biofilm in the rabbit dermal ulcer wound model. *Plastic and Reconstructive Surgery*. 127 S33, 2011.
118. Hirsch EM, Seth AK, Kim JY, Dumanian GA, Mustoe TA, Fine NA. Outcomes of tissue expander breast reconstruction in patients with pre-reconstruction radiation. *Plastic and Reconstructive Surgery* 127: S35, 2011.
119. Ko JH, Heyer KS, Mustoe TA. Breast implant procedures performed under conscious sedation.: A six-year experience in 461 patients. *Plastic and Reconstructive Surgery* 127: S45, 2011.
120. Seth AK, Gurjala AN, Geringer MR, Hong SK, galiano RD, Leung KP, Mustoe TA. Treatment of pseudomonas aeruginosa biofilm-infected wounds with clinical wound care strategies: a quantitative study using an *in vivo* rabbit ear model. *Plastic and Reconstructive Surgery* 127: S75, 2011.

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121. Nguyen KT, Seth AK, Geringer MR, Hong SJ, Leung KP, Mustoe TA, Galiano RD. Biofilm infected diabetic wounds exhibit an aberrant and inefficient upregulation of inflammatory cytokines despite robust neutrophil recruitment. *Wound Repair and Regeneration*. 20: A33, 2012.
122. Seth AK, Geringer MR, Nguyeh KT, Hong SJ, Leung KP, Mustoe TA, Galiano RD. Low-Frequency ultrasound as an effective therapy against *Pseudomonas aeruginosa* biofilm-infected wounds: an in vivo study using a rabbit ear model. *Wound Repair and Regen*. 20:A38, 2012.
123. Xu W, Hong SJ, Jia S, Galiano RD, Mustoe TA. Identification of genes in response to dehydration during cutaneous wound healing. *Wound Repair and Regen*. 20: A47, 2012.
124. Xu W, Hong SJ, Jia S, Galiano RD, Mustoe TA. The involvement of cyclooxygenase 2 in hypertrophic scar formation in response to epidermal dehydration. *Wound Repair and Regen*. 20: A47, 2012.

Rawlani R, Qureshi H, Rawlani V, Turin SY, Mustoe T *Abstract: Volumetric Changes of the Mid and Lower Face with Animation and the Standardization of 3D Facial Imaging* Plastic and Reconstructive Surgery – Global Open: [August 2018 - Volume 6 - Issue 8S - p 163](#)

97. Turin SY, Vaca EE, Mustoe T, Buck DW, Sinno S *Abstract: Changing Nasal Tip Projection Via Purposeful Manipulation of the Medial Crura A Surgical Experience with Resecting the “Unresectable”* Plastic and Reconstructive Surgery – Global Open: [August 2018 - Volume 6 - Issue 8S - p 88–89](#)

INVITED LECTURES, SYMPOSIA, COURSES AND VISITING PROFESSORSHIPS (selected, and the last two years)

Visiting Professor, Massachusetts, Eye and Ear Infirmary, Boston, Massachusetts, April 1, 1987

Eriksson, Mustoe, Course at American Society of Plastic and Reconstructive Surgery, Wound Healing II - Difficult Wounds, October 1989 and 1990, 1991.

Eriksson, Lawrence, Mustoe: Applied Principles of Wound Healing: Course at ASPRS Meeting, October 1991, 1992, 1993.

Post Graduate Course in Surgical Basic Science: Cytokines and Growth Factors: Basic Concepts in Clinical Relevance. American College of Surgeons, New Orleans, October 1992.

Discussant: TGFβ for Chronic Wounds. National Institute of Health: Symposium on Chronic Wounds, Bethesda, Maryland, January 1993.

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Invited Lecturer: Animal wound healing models for Chronic Wounds. Food and Drug Administration Meeting: Clinical Trial Issues of Topical Wound Healing Conference, Bethesda, Maryland, March 1993

Vice-Chairman, Lecturer: Growth Factor Oxygen Interactions in Wound Healing. Gordon Research Conference, New London, New Hampshire, June 1993.

Panel Moderator: Practical Application of the Biological Principles of Wound Healing for the Practical Surgeon - ACS Mtg - San Francisco - October 1993

Invited Lecturer: Clinical Role of Growth Factors. NIH-Conference, Bethesda, MD, November 1993.

American College of Surgeons, Breast Reconstruction: Postgraduate Course on Breast Surgery. Immediate Breast Reconstruction Current Status. Chicago 10/94.

Invited Lecturer: Head & Neck Anatomy - PSEF Core Curriculum Course
Chicago 11/93, 11/94, 11/95.

Co-Chairman, Gordon Conference. Growth Factors in Wound Healing. The Role of Hypoxia. July 1995.

Moderator Panel, Abdominal Wall Reconstruction. American Society Plastic and Reconstructive Surgery, Montreal, Canada, Oct. 1995.

Mustoe, Lawrence. Applied Principles of Wound Healing. Course at ASPRS meeting 1995, 1996, 1997, 1998

Aesthetic Society, Orlando, FL, April 1996. Panelist: Ultrasonic Liposuction.

Visiting Professor, Duke University Medical School, March, 1996

Illinois State Medical Association. Chicago, IL, January 1996. Latissimus Dorsi Breast Reconstruction.

Moderator, Panel: Emerging Technology in the XXI st Century. American Society Plastic & Reconstructive Surgery. Dallas, Texas, 1996.

Moderator, Panel, Integrated Residencies, Association of Academic Chairmen of Academic Chairmen of Plastic Surgery, Chicago, March 15, 1997.

Visiting Professor, University of Virginia, April 3-5, 1997.

Instructor, Regional Ultrasonic Assisted Liposuction Course, Cleveland, Ohio, Feb 8, 1997

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Chair, Regional Ultrasonic Assisted Liposuction Course, Chicago, IL June 7, 1997

Grand Rounds, U Chicago Plastic Surgery, April 15, 1997 Ultrasonic Assisted Liposuction.

Visiting Professor, Washington University, Nov. 15, 1997

Endoscopic Browlift, Latissimus Dorsi Breast Reconstruction

Visiting Professor, St. Louis University, Nov. 15, 1997

Chair, Core Curriculum in Plastic Surgery, Oct 23-25, Chicago, IL

Latissimus Dorsi Breast Reconstruction and Implants: Another Perspective Emerging Technologies in Plastic Surgery

American Soc. of Plastic and Reconstr. Surgery, San Francisco Sept 21-24, 1997:

Panel: Emerging Technologies—Laser Resurfacing Panel: Growth Factors in Wound Healing

Course: Principles of Wound Healing and Clinical Applications

Course: The Wound Care Specialist

The Portland Bone Symposium, Portland, Oregon August 3-7, 1997: Wound Biology

Ultrasonic Liposuction Regional Course, Dallas Texas Nov 3, 1997.

Western Canada Wound Care Symposium, Winnipeg Canada,

May 15, 1998 “Why do we need to Study Wound Healing

Royal College of Physicians and Surgeons Speaker, Visiting Professor, University Manitoba,

Winnipeg, Canada, May 15, 1998: The Scientific Basis of Wound Healing

Wound Healing Society, Salt Lake City, Utah. June 17-21, 1998

WOCN- WHS Partnership for the New Millennium.

Presidential Address: Wound Healing Models: The Spectrum from Chronic Wounds to Scarring—New Insights.

The Core Curriculum Symposium, American Society of Plastic and Reconstructive Surgery,

Chicago July 25, 1997. Rhinoplasty and Nasal Reconstruction.

European Tissue Repair Society, Copenhagen, Denmark. August 20-23, 1998. Invited Plenary

Speaker: 1) The Current Clinical Treatment of Scarring 2) The Scientific Basis of Wound Healing.

Visiting Professor, Catholic Medical University, Seoul Korea, September 23-25, 1998. 1.

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Advances in Breast Reconstruction 2. Conscious Sedation. 3. Research in Wound Healing: Clinical Applications. 4. A New Technique for Endoscopic Brow Lift.

Department of Rheumatology Research Seminars, University of Illinois Medical School: The Impact of Aging on Wound Healing—Basic Studies. Feb 9, 1999.

7th Forum for Wound Healing. Tokyo, Japan, June 6, 1999. Excessive Scarring: Basic Mechanisms, and Clinical Applications.

Wound Healing Society Meeting: Translational Research. Minneapolis, Minnesota June 20-23, 1999. Physical Devices to Enhance Wound Healing—June 21

Combined Wound Healing Society and European Tissue Repair Society Meeting. Bordeaux, France. August 25-28, 1999. Moderator and Speaker, Symposium on Proteases in Wound Healing.

Northeastern Society of Plastic Surgeons. Burlington, VT., Sept 30- Oct 2, 1999. What is new in Wound Healing—Growth Factors, HBO, New skin substitutes.

Midwestern Association of Plastic Surgery. Chicago, IL April 7, 2000. Panel Discussion and Presentation: Facelifts.

Chicago Society of Dermatology. Chicago, IL April 19, 2000. Clinical Applications of Wound Healing

Plastic Surgery Core Curriculum, PSEF. Chicago, IL July 23, 2000. Facial Rejuvenation.

American Society of Plastic and Reconstructive Surgery. Los Angeles, CA Oct 14-18, 2000. Instructional Courses: Principles of Wound Healing; A Simplified Approach to Conscious Sedation; Presentations: The Fleur-de-lis Latissimus Flap Revisited in Breast Reconstruction; A Randomized Prospective Double Blinded Study of Ondansetron for Prevention of Nausea and Vomiting in Conscious Sedation.

American College of Surgeons. Chicago, IL, Oct 20-24, 2000. Instructional Course: New Technologies in Wound Healing: 1. Hydrotherapy, 2. Ion Exchange Dextran Beads; 3. Fibrin glue, cyanoacrylates, Autologous Platelet Gel.

Visiting Professor, Medical College of Wisconsin. Oct 25-26, 2000. Grand Rounds: Mechanisms and Treatment of Scarring.

Geriatrics Educational Conference & Exposition; Chicago, IL Oct 26-28, 2000. Wound Care/Decubiti.

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2nd European Masterclass: Wounds and Scars; Montpellier, France April 2-3, 2001. 1.Guidelines on Scar Management 2. Surgical Management of Scars: skin grafts, flaps, and scars.

Society for Biomaterials St. Paul, MN April 27, 2001. The Impact of New Technologies on the Modulation of Wound Healing: Lead Speaker

American Association of Plastic Surgery. Charleston, SC. May 16, 2001. Biomechanical and Viscoelastic Properties of Skin, SMAS and Composite Flaps as they pertain to Rhytidectomy. May 14, 2001. The Effects of Silicone Occlusive Therapy in a Rabbit Hypertrophic Scar Model (Saulis, A presenter)

Visiting Professor, University of Wisconsin Medical School; Madison, Wisconsin. September 29-30, 2001. Breast Reconstruction: Changing Concepts; Clinical Applications of Wound Healing Principles.

Grand Rounds, U. Illinois Medical School, Division of Plastic Surgery. Chicago, Illinois. Breast Reconstruction: Changing Techniques. October 18, 2001

Lynn Sage Breast Cancer Symposium, Northwestern University Medical School, Chicago, Illinois. Post Mastectomy Radiation Therapy: The Impact on Breast Reconstruction. October 19, 2001.

Canadian Association for Wound Care. London, Ontario. Research from the Laboratory to the Bedside: A Personal Odyssey. November 1, 2001.

American Society of Plastic Surgery, Orlando Florida. Instructional Courses: Conscious Sedation for Aesthetic Surgery; Basic Principles of Wound Healing. November 2-6, 2001.

Visiting Professor University Kansas Division of Plastic Surgery, Invited Lecturer Kansas City of Society of Plastic Surgery. New Developments in Facelift; Principles of Conscious Sedation; Latissimus Dorsi Breast Reconstruction. September 17-18, 2002.

Invited Speaker, Symposium on the Role of Oxidants in Wound Healing, Columbus Ohio: The Therapeutic Role of Oxygen in Wound Healing. September 12, 2002.

American Society of Plastic Surgery, San Antonio October 2002. Instructional Courses: Conscious Sedation for Aesthetic Surgery; Basic Principles of Wound Healing. Plenary Session (Saulis, Mustoe, Fine) Outcomes in Patient Satisfaction of Latissimus Dorsi, TRAM, and Tissue Expander Reconstructions.

Invited Speaker, Growth Factors in Wound Healing, American Diabetes Association, New Orleans, June 16, 2003.

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Invited Speaker, A New Method of Latissimus Dorsi Breast Reconstruction. International Society of Plastic and Reconstructive Surgery, Sydney, Australia August 16-19, 2003.

American College of Surgeons Chicago October 2003. Course on Wound Healing. Lectures on Hydrotherapy and Gene Therapy for Wound Healing

American Society of Plastic Surgery, San Diego October 2003. Instructional Courses: Advanced Techniques in Wound Healing. Conscious Sedation for Aesthetic Surgery. Panel: The Utility of Basic Research in Improving Clinical Outcomes

Missouri Association of Plastic Surgery. St. Louis, MO. April 3, 2004. Conscious Sedation in Aesthetic Surgery

Wound Healing Society, Atlanta, Georgia, May, 2004. Plenary Speaker: Hypoxic Interactions. Lifetime Achievement Awards: The Search for the Ideal Wound Healing Model.

2nd Congress of the World Union of Wound Healing Societies, July 8-13 2004 Paris, France
Invited Speaker: 1) Clinical Cases: Interactive, Presentation of Scars 2) Fundamental Aspects of Scarring 3) International Guidelines for the Treatment of Scars

American Society of Plastic Surgery, October 2004. Instructional Courses: Advanced Techniques in Wound Healing. Conscious Sedation for Aesthetic Surgery. Panel: Advances in Wound Healing

Tissue Repair Meeting, Institute Louis Pasteur, Paris France, March 17, 2005. Invited Speaker. Recent Advances in Dermatological Wound Healing.

European Tissue Repair Society. Stuttgart, German, Sept 15-17, 2005. Negative Pressure Wound Therapy: Evidence Based Approach

American Society of Plastic Surgery, September, 2005. Chicago IL. Plenary Speaker (Panel): Subplatysmal approach in Facelift. Plenary Speaker (Panel): Safety with Conscious Sedation (Panel); Commentary: Facelift on Fresh Faces Panel. Instructional Courses: Deep Plane Rhytidectomy: The Lateral Approach with Technical Refinements.. Conscious Sedation for Aesthetic Surgery

Duke University Visiting Professor, Division of Plastic Surgery. March, 2006

Georgetown University Visiting Professor, Department of Surgery, March 2006

Plenary Speaker, 2nd International Scar Meeting, Montpellier, France April, 2006: Therapeutic Approaches to Scarring

A-0 Symposia on Facial Bony and Soft Tissue Aesthetic Surgery. Lateral Approach to Necklift,

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Experience with Contour Threads for Facial Rejuvenation. Chicago, IL July, 2006

American Society of Plastic Surgery, San Francisco October, 2006. Moderator, Panel: Lesser Surgical Alternatives to Conventional Facelift. Instructional Courses: 1) Deep Plane Rhytidectomy: The Lateral Approach with Technical Refinements. 2) Conscious Sedation for Aesthetic Surgery

QMP National Symposium on Aesthetic Plastic Surgery, Chicago, IL December, 2006. The Lateral Approach to the Neck in Facial Rejuvenation.

2nd Shanghai International Plastic Surgery Conference. April 18-20, 2007 Shanghai China. Current Therapeutic Approaches and Progress in Research on Scarring. (2 lectures). 3) Current Plastic Training Program at Northwestern University

Midwestern Association of Plastic Surgery. May 3, 2007. Conscious Sedation and Local Anesthesia Techniques in Plastic Surgery. Chicago, IL

Gordon Research Conference: Wound Healing July 2007. Invited Speaker: Ischemic Wound Healing Models Colby-Sawyer College, New Hampshire.

James Barrett Brown Visiting Professor, Division of Plastic Surgery. Washington University Medical School.. June 22-23, 2007.

III Simposio Internacional De Cirugia Plastica: Desafios Y Conntroversias En La Cirugia Del Rejuvenecimiento Facial . August 18-20, 2007 1. Lateral Approach to Neck Rejuvenation with application to all techniques of facelift. 2. Conscious Sedation in Facial Aesthetic Surgery 3. The Lateral Brow Lift: An Improved Technique for Lateral Eyelid Rejuvenation Buenos Airies , Argentina

Annual Meeting American Society of Plastic Surgery, Baltimore MD, October 27-30, 2007. Panel Participant: Advances in Facelift. Course: Approach to the Neck and Deep Plane Rhytidectomy. Course: Conscious Sedation in Aesthetic Surgery

QMP Aesthetic Surgery Symposium (3d Annual), November 30-Dec2, 2007. The Use of Conscious Sedation.

Plastic Surgery Educational Foundation Visiting Professor: 2007-2008

1. Albany Medical College, Albany New York. September, 2007. Talks on Facelift, Conscious Sedation, Approaches to Scarring, TRAM Flap
2. University of Cincinnati Medical School. October 2007. Talks on Facelift, Approaches to Scarring
3. Florida State Society of Plastic Surgery Annual Meeting, Naples, Florida with Residents from Miami, U. Florida, and University of South Florida. December, 2007 Approaches to the Neck in Facelift.

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4. Ohio State, Columbus Ohio; Columbus Society of Plastic Surgeons March 27-28, 2008: Conscious Sedation and Abdominoplasty; The Lateral Approach to the Neck and Modifications of Deep Plane Rhytidectomy; Clinical Implications of New Understanding in Scarring
5. University of Southern California The Lateral Approach to the Neck and Modifications of deep plane rhytidectomy. Conscious Sedation and the Approach to Abdominoplasty and Breast Surgery. May 20, 2008.
6. Orange County Society of Plastic Surgery. May 18, 2008. The Lateral Approach to the Neck and Modifications of deep plane rhytidectomy.
7. U California Irvine May 19, 2008; Conscious Sedation and the Approach to Abdominoplasty and Breast Surgery.

Plenary Speaker, Live Surgery, Wisconsin State Society of Plastic Surgery April 3-4, 2008
Use of Conscious Sedation With Abdominoplasty (Live Surgery and Lecture); A Comprehensive Approach to the Aging Face

Invited Speaker: Chronic Wound Pathogenesis. Medical University of South Carolina, Charleston SC, October 17, 2008 Peng Symposium

Live Surgery Demonstration: Facelift, American Society of Plastic Surgery Annual Meeting Chicago, IL November 1, 2008

Instructional Course: Conscious Sedation. American Society of Plastic Surgery Annual Meeting Chicago, IL November 2, 2008

Visiting Professor, University of Michigan Division of Plastic Surgery. November 5, 2008
Surgical Approaches to Minimize Scarring

Plenary Speaker: The Role of the Epidermis in Scarring. Third International Symposium on Scarring. Montpellier, France September 30- October 2, 2008.

Animal Models of Biofilm Delayed Wound Healing. Montana State Conference on Biofilms, Bozeman, Montana . Feb 5-6, 2009.

QMP Aesthetic Symposium. Chicago Illinois. September, 2008. Avoiding Complications in Abdominoplasty: The use of Conscious Sedation.

Visiting Professor, University of Rochester March 25-27, 2009. The Lateral Approach to the Neck in Facelift; Limited Incision Browlift. Approach to Breast Augmentation and Abdominoplasty with Conscious Sedation: Technical and Anesthetic Considerations.

Invited Speaker Facial Cosmetic Surgery Symposium, Las Vegas, Nevada, June 3-7, 2009 1. Lateral Approach to Neck in Facelift. 2. Limited Brow Incision Browlift. 3. Conscious Sedation.

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Invited Special International Guest Speaker. Face All Tips Facial Aesthetic Symposium. Sao Paulo, Brazil. June 26-27, 2009. 1. Lateral Approach To Neck in Facelift. 2. Limited Incision Browlift. 3. Personal Approach to Rhinoplasty. 4. Conscious Sedation.

Visiting Professor, Yale University. January 6-7, 2010 :1. Personal Approach to Rhinoplasty. Applied Principles to Reduce Scarring in Surgery

Invited Speaker, California Oxygen Club. March 17, 2010. Santa Barbara, CA. Ischemic Wound Healing.

Plenary Speaker, Asian Scar Forum, Shanghai China, Oct 29-31, 2010. Guidelines for the Treatment of Scars, and Pathogenesis of Hypertrophic Scarring.

American Society of Plastic Surgery Annual Meeting. Sept 30- Oct 3, Toronto Canada. MOC Instructional Course: Facelift. 2011.

16th World Congress of International Confederation for Plastic Reconstructive and Aesthetic Surgery (IPRAS). Vancouver. May 23-27, 2011. Plenary Session, Panel on Facelift (Avoiding the Submental Incision). Master Class: Surgical Approaches to Scarring. Master Class: Safe use of Conscious Sedation

American Society of Plastic Surgery Annual Meeting. October 30- Nov2. Denver Colorado. MOC Instructional Course: Facelift. 2012

4th International Scar Conference Montpellier, France March,. Plenary Speaker: The role of the epidermis in scarring. 2012

SAWC- Wound Healing Society Annual Meeting. Atlanta, Georgia. April. Plenary Speaker. Scarring. 2012

SAWC-Wound Healing Society Annual Meeting, Denver Colorado, April 2013. Plenary Speaker: The role of Biofilm in Chronic Wounds: Animal Models

European Wound Healing Society Copenhagen, Denmark, May 2013. Biofilm treatment with a Silver activated Dressing.

4th Asian Scar Forum, Bali Indonesia August, 2013. Plenary speaker: Current and Future Perspectives: Evidence –based Scar Management

Additional talks August 2013 on Scar Pathogenesis and Management: Shanghai, Beijing and Guanzhou, China; Singapore; Semarang Indonesia; and Ho Chi Minh City, Vietnam

American Society of Plastic Surgery Annual Meeting October, 2013, San Diego California. Speaker in Plenary Session on Facelift Techniques: My own technique.

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Middle East Conference on Scars and Wounds. March, 2014 Dubai. Plenary speaker: The role of the Epidermis in Scarring.

American Society of Plastic Surgery Annual Meeting October, 2014 Chicago, IL. Speaker: Facelift (ASMS section); Panelist: Advances in Scar Research

Modern Concepts: Facial Aesthetics, Reconstruction and Transplant. Birmingham, England. October 15-17, 2014

ASPS Aesthetica Super Symposium. Las Vegas, Nevada. April 30 May 2, 2015

1. Modified Temporal Brow Lift under Local Anesthesia
2. Panel: Problem Cases in Facelift
3. Panel: Improving Patient safety and Satisfaction in Body Contouring through Multimodal Anesthesia

Visiting Professor Brown University, Providence Rhode Island. May 26, 2015.

Sexton Lectureship. Optimizing outcomes in scars in surgical patients.

2. Optimizing tip Projection in Rhinoplasty

SUBMITTED ARTICLES

SILICONE GEL OCCLUSION MODULATES EPIDERMAL GENE ACTIVATION IN A NOVEL MURINE CUTANEOUS WOUND MODEL

Clark F. Schierle MD PhD, Seok Jong Hong, Kristina O'Shaughnessy MD, Xian Zhong Ding PhD, Shen Xia Jia PhD, Yanan Zhao PhD, Thomas A. Mustoe MD

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