

**CURRICULUM VITAE
STEVEN J. KAVROS DPM**

PROFESSIONAL INFORMATION

Place of Birth: New York, NY

Citizenship: United States

MAYO CLINIC, Rochester, MN

January 1995 – April 2012

Primary Appointment - Department of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota
Foot and Ankle musculoskeletal disease management (non-surgical)

- Fracture and tendinopathy management of the foot and ankle
- Overall care and management of foot and ankle pathology
- Charcot neuroarthropathy management
- Gait analysis and biomechanical management of the lower extremities

Joint Appointment - Section of Vascular Medicine, Division of Cardiovascular Diseases, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota

Gonda Vascular Wound Healing Center

- Advanced wound healing and limb preservation practice
- Neuropathic (Diabetic foot), Ischemic foot and leg, Venous Leg, Pressure, Metabolic, Vasculitis, Post-Surgical ulcerations of the lower extremities
- Ischemic ulcerations of the hands, secondary to Scleroderma and Mixed Connective Tissue Disease
- Director of Clinical Research – 1996 -2012

Joint Appointment - Division of Preventive, Occupational and Aerospace Medicine, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota

- Hyperbaric Medicine for advanced wound healing

Academic Appointments: Mayo Clinic Alix School of Medicine

- Instructor - 1995 - 1997
- Assistant Professor - 1998 - 2005
- Associate Professor – 2005 – 2012

MEDICAL DEVICE DEVELOPMENT

- Low frequency ultrasound therapy, MIST Therapy (Celleration, Inc.)
 - A novel, advanced wound healing technology with superior healing properties with concentration at the cellular and molecular level
 - Developed, managed and performed the basic and clinical science research to validate the novel technology
 - Active participation in the successful regulatory and submission process for FDA approval for the treatment of acute and chronic wound management
 - Direction and guidance to the sales, marketing and commercialization team to deliver the needed education for integrating the technology to physicians, wound centers and hospitals
 - Authorship of multiple peer reviewed publications validating the science and positive clinical and economic outcomes
 - Multiple honors and awards for scientific national and international presentations at conferences/congresses.

- Pneumatic Compression Device (Aircast, Inc and ArtAssist, Inc)
 - An intermittent pneumatic compression device to manage advanced arterial disease in chronic and acute critical limb ischemia and wound healing for the upper and lower extremities
 - Developed, managed and participated in clinical trials to assess the efficacy of PCD in patients requiring advanced wound healing in the compromised vascular patient population.
 - Interfaced with the medical directors of the Medicare Administrative Centers (MACs) to develop a reimbursement pathway for coverage in arterial disease.
 - The culmination of this initiative resulted in a national reimbursement policy for Medicare and Medicaid allowing a revenue stream for the commercialization of a PCD for arterial disease
 - Authorship of multiple peer reviewed publications validating the science and positive clinical and economic outcomes
 - Multiple honors and awards for scientific national and international presentations at conferences/congresses.

- Aircast Walking Boot, SP Walking Boot, AirHeel (Aircast, Inc., DonJoy, Inc)
 - Aircast Walking Boot:
 - Lowered the platform to relieve low back pain and improve gait biomechanics and offloading.
 - Aircast SP Walker:
 - Conceptualized, designed and participated in the development and biomechanics validation of a short leg walking boot for the management of fractures, tendinopathies and arthritis of the foot and ankle.
 - Aircast AirHeel:
 - Validated the medical device to manage plantar fasciitis and insertional Achilles tendonitis
 - Authorship of peer reviewed publication validating the science and treatment of this medical device.
- PriMatrix (TEI Biomedical, Inc.)
 - A novel fetal bovine dermal xenograft for tissue repair and advanced wound healing
 - Spearheaded clinical research involving the application of PriMatrix in acute and chronic wounds with significant depth, exposure of tendon and bone
 - Developed, managed and preformed clinical research utilizing case series, prospective and randomized clinical trials involving diabetic foot ulcerations using PriMatrix for advanced healing in the high-risk population
 - Directed the sales force in the key components of educating physicians for the maximum outcomes for patient care
 - Spearheaded sales and marketing for the commercialization for PriMatrix into the regenerative medicine arena
 - Authorship of multiple peer reviewed publications validating the science and positive clinical and economic outcomes.

CLINICAL PRACTICE

PRIVATE PRACTICE – Philadelphia, PA and Cherry Hill, NJ

August 1982 – January 1990

- General podiatric medicine and surgery

Temple University School of Podiatric Medicine

July 1982 – January 1990

- Instructor of Podiatric Surgery
- Instructor of Anatomy

VASCULAR SURGERY ASSOCIATES, Minneapolis, MN

October 2014 – December 2018

- Private practice directed toward senior citizens
- Wound Healing and Limb Preservation Practice
- Diabetic Foot Ulcers, Venous Leg Ulcers, Pressure Ulcers, Surgical Wounds, Infectious Wounds, Traumatic Wounds, Radiation Wounds

HEALTHDRIVE, PINNACLE FOOT AND ANKLE CLINICS, Minneapolis, NM

January 2019 – December 2019

- Podiatric medicine practice directed toward senior citizens
- Wound Healing and Limb Preservation Practice
- Diabetic Foot Ulcers, Venous Leg Ulcers, Pressure Ulcers, Surgical Wounds, Infectious Wounds, Traumatic Wounds, Radiation Wounds

MEDICAL DEVICE INDUSTRY (2012 – present)

TEI BIOSCIENCES, Boston, MA

April 2012 – September 2014

Medical Director – Wound Management

- Goal oriented with substantial patient care, research and clinical trial experience
- Excellent collaborative relationships and development of KOLs in different medical and surgical specialties
- Experience at working with cross-functional teams, providing leadership and identifying challenges to meet strategic business objectives in the healthcare industry
- Peer mentoring, management and leadership experience within medical profession and biotechnology industry
- Dynamic interact with FDA, CMS and insurers for the continuation of adoption in scientific and patient care solutions for acute and chronic wounds
- Successful implementation of reimbursement in multiple Medicare Administrative Contractors (MACs) throughout the United

MIROMATRIX MEDICA, Inc., Eden Prairie, MN

March 2016 – January 2017

Chief Medical Officer – Regenerative Medicine and Wound Healing

- Consultant for the development of perfusion decellularized porcine hepatic wound matrix
- Focusing on the acute and chronic wounds for inpatient services
- Develop strategic pathways for outpatient services in wound healing
- KOL development for perfusion decellularized porcine wound matrix
- Major focus on sales and marketing support on a daily basis to drive revenue

INNOCVACYN, Inc., Rialto, CA

September 2014 – August 2015

Medical Director – Acute and chronic wound healing and antimicrobial therapy

- Develop evidence-based medicine for hypochlorous acid in acute and chronic wound management
- Develop clinical trial strategy utilizing hypochlorous acid in acute and chronic wounds
- Daily interaction with sales force to support efforts to increase monthly revenue
- Integral member of corporate business development, sales, marketing, reimbursement teams to directly enhance company growth

MARYLAND MEDICAL LABORATORIES, Inc.

August 1992 – December 1994

Vice President - Reference Laboratory Testing Division

- Developed reference testing for the regionally based division: NJ, PA, MD
- Managed sales and marketing staff to develop and implement growth of the reference testing division
- Increase revenue from 16K/month to 165K/month in 16 months

HOWMEDICA, Inc.

January 1990 – July 1992

Product Manager - Trauma and Joint Reconstruction Specialist

- Responsible for the introduction of new trauma and joint reconstructive products to the northeast region of the United States.
- Integral team member in presenting to new markets for the newly introduced surgical implants.
- Responsible for penetrating large orthopedic residency programs with new product releases.
- Created the specialty market of hand and foot surgery plates and screws for trauma and reconstructive procedures

EDUCATION

Rutgers University

BA, Biology: 1972 – 1976

Temple University School of Podiatric Medicine

Doctor of Podiatric Medicine: 1977 – 1981

John F. Kennedy Memorial Hospital

Residency, Podiatric Surgery: 1981 – 1982

BOARD CERTIFICATIONS

American Board of Wound Management: 1999

Academy of Physician in Wound Healing: 2008

Fellow - American Professional Wound Care Association: 2000

Fellow - American College of Certified Wound Specialists: 2002

HONORS/AWARDS

Collegiate Research – Developmental Biology, New Jersey Academy of Science, 1976

Greatest Proficiency in Foot Surgery - Temple University School of Podiatric Medicine, 1981

Clinical Podiatric Medicine Award - Temple University School of Podiatric Medicine, 1981

Langer Orthopedics/Biomechanical Award - Temple University School of Podiatric Medicine, 1981

Excellence in Medical Writing - Journal of Foot Surgery, 1982

Radiologic Society of North America: "Diabetic Foot Disease" - 86th Scientific Assembly Radiologic Society of North America, 2000

Mist Ultrasound Transfer Technology for the Promotion of Chronic Wound Healing, International Union of Angiology - International Angiology Scientific Activities Congress, 2002

Intermittent Compression Pump in Patients with Healing Wounds with Limb Ischemia, International Union of Angiology - International Angiology Scientific Activities Congress, 2002

Karis Award, Excellence in practice, caring, and integrity to a physician - Mayo Clinic, 2002

Improving Limb Salvage with Intermittent Pneumatic Compression in Patients with Critical Limb Ischemia. The Mayo Clinic Experience (1998-2004) - International Angiology Scientific Activities Congress, Lisbon Portugal, 2006

Improving Limb Salvage with Intermittent Pneumatic Compression in Patients with Critical Limb Ischemia. The Mayo Clinic Experience (1998-2004) - Mediterranean League of Angiology and Vascular Surgery Scientific Congress, Heraklion Greece, 2006

Treatment of Ischemic Wounds with Noncontact, Low-Frequency Ultrasound: The Mayo Clinic Experience, 2004-2006 - 2007 Roberta S. Abruzzese Publishing Award: Advances in Skin & Wound Care, 2007

Dr. Robert W. Hobson II Award: Diabetic Limb Salvage, best paper - Georgetown University Hospital, Georgetown University, 2008

Acellular Fetal Bovine Dermal Repair Matrix for Treatment of Chronic Ulcerations of the Midfoot with Charcot Neuroarthropathy. Best Poster presentation, American Professional Wound Care Association, Orlando FL, 2012

Masters Designation – American Professional Wound Care Association. Given to members with outstanding clinical and academic contributions to wound healing and limb preservation. April 2013

Desert Foot Conference, First Place Award for best research paper in Wound Healing and Limb Preservation, November 2013

PROFESSIONAL & COMMUNITY MEMBERSHIPS, SOCIETIES AND SERVICES

American Board of Wound Management
American College of Certified Wound Specialists
American Professional Wound Care Association

- President: 2016 - 2019
- Scientific chairman: 2001 – 2015

Special Editor – Advances in Skin & Wound Care
Hellenic Medical Association
International Union of Angiology
United States Coast Guard Aux
Wound Healing Society

PRESENTATIONS - International

Care of the High Risk Foot, Charles University, Traditional Angiological Days
Prague, Czech Republic, 1998

Platelet Derived Growth Factor in the Treatment of Lower Extremity Ulcerations,
Fifth World Hellenic Biomedical Conference
New York, New York, 1999

The Use of Intermittent Pneumatic Compression in Patients with Foot Ulcers and Severe Limb Ischemia,
19th World Congress of the International Union of Angiology
Ghent, Belgium, 2000

Critical Limb Ischemia in the Diabetic Patient, Sixth World Hellenic Biomedical Conference
Athens, Greece, 2000

The Use of Ultrasound Mist Therapy for the Promotion of Chronic Wound Healing
XI Congress of the Mediterranean League of Angiology and Vascular Surgery
Chios, Greece, 2001

MIST Ultrasound Transfer Technology for the Promotion of Chronic Wound Healing
International Union of Angiology, International Angiology Scientific Activities Congress Organization,
New York, NY, 2002

Intermittent Compression Pump in Patients with Healing Wounds with Limb Ischemia
International Union of Angiology, International Angiology Scientific Activities Congress Organization,
New York, NY, 2002

Foot Ulcers in Diabetes - New Methods of Treatment
Venue Government Medical College and Hospitals, Trivandrum, India
Rochester, Minnesota, 2003

The Efficacy of Plantar Pressure Study to Maximize the Offloading of the High Risk Foot
International Union of Angiology, Rome, Italy, 2004

The Use of an Intermittent Pneumatic Compression Pump in the Treatment of Upper Extremity Ulcers,
International Union of Angiology, Rome, Italy, 2004

Intermittent Compression pump for non-healing wounds in patients with limb ischemia: The Mayo Clinic Experience (1998 –2000), International Union of Angiology, Rome, Italy, 2004

The Effect of Lower Extremity Amputation Level with the use of an Intermittent Compression Pump in the High-Risk Foot: The Mayo Clinic Experience (1998 –2003)
International Union of Angiology, Rome, Italy, 2004

The Use of Low Frequency Non-Contact Ultrasound in the Treatment of Chronic Foot Ulcerations: A 51 Patient Retrospective Analysis, 2nd World Union of the Wound Healing Society, Paris, France, 2004

Medical and Surgical Outcomes of Patients with Chronic Critical Limb Ischemia: The Mayo Clinic Experience, 17th International Medical Conference of the Hellenic Medical Society
Corfu, Greece, 2004

New Concepts in the Treatment of Venous Ulcerations of the Lower Extremity, European Venous Forum, Heraklion, Greece, 2005

Posterior Tibial Tendon Dysfunction: New Biomechanical Evidence to Improve Conservative Treatment., 18th Biennial Medical Congress of the Hellenic Medical Society, Athens, Greece, 2006

Treatment of Ischemic Wounds with Low Frequency Non-Contact Ultrasound, The Mayo Clinic Experience (2001-2006), 18th Biennial Medical Congress of the Hellenic Medical Society.
Athens, Greece, 2006

Treatment of Ischemic Wounds with Low Frequency Non-Contact Ultrasound, The Mayo Clinic Experience (2001-2006), Congress of the Mediterranean League of Angiology and Vascular Surgery, Heraklion, Greece, 2006

Improving Limb Salvage with Intermittent Pneumatic Compression in Patients with Critical Limb Ischemia, The Mayo Clinic Experience (1998-2004), Congress of the Mediterranean League of Angiology and Vascular Surgery, Heraklion, Greece, 2006

Treatment of Ischemic Wounds with Low Frequency Non-Contact Ultrasound, The Mayo Clinic Experience (2001-2006)
XXII World Congress of the International Union of Angiology
Lisbon, Portugal, 2006

Improving Limb Salvage with Intermittent Pneumatic Compression in Patients with Critical Limb Ischemia, The Mayo Clinic Experience (1998-2004), XXII World Congress of the International Union of Angiology, Lisbon, Portugal, 2006

Treatment of Ischemic Wounds with Noncontact Low-Frequency Ultrasound: The Mayo Clinic Experience (2004-2006), Mayo International Vascular Symposium, Reykjavik, Iceland, 2007

Results of Minor Foot Amputation with the use of Intermittent Pneumatic Compression in Patients with Chronic Critical Limb Ischemia, Mayo International Vascular Symposium
Reykjavik, Iceland, 2007

Improving Limb Salvage with Intermittent Pneumatic Compression, World Biomedical Conference, Global Hellenic Medical Association, Kos, Greece, 2007

Improving Limb Salvage in Critical Ischemia with Intermittent Pneumatic Compression: A Controlled Study with Eighteen Month Follow-up
International Union of Angiology, Athens, Greece, 2008

Effective Offloading of the Neuropathic Foot with a Flat Sole versus a Rocker Sole,
John A. Boswick Burn and Wound Conference, Maui, Hawaii, 2009

The use of PriMatrix to Treat Chronic Ulcerations of the Midfoot Associated with Charcot Neuroarthropathy, John A. Boswick Burn and Wound Conference, Maui, Hawaii, 2009

Natural History and Treatment of Charcot Arthroplasty, John A. Boswick Burn and Wound Conference, Maui, Hawaii, 2010

Improving Limb Salvage in Critical Limb Ischemia with Intermittent Pneumatic Compression
19th European Chapter, International Union of Angiology, Paris, France, 2010

Charcot Neuroarthropathy and Diabetes Mellitus, a challenge in future care and limb loss
American Diabetes Association, San Diego, California, 2011

PRESENTATIONS – NATIONAL

Diabetic Neuroarthropathy of the Foot
Thomas Jefferson University, Prevention of Diabetic Foot Ulcers: An International Colloquium
Philadelphia, Pennsylvania, 1998

Metatarsal Pain: Common and Uncommon, Temple University School of Medicine, Forefoot Disorders:
Temple University School of Medicine, Philadelphia, Pennsylvania, 1999

Neuropathic Ulcers in Diabetes
The Reading Hospital and Medical Center, Diabetic Foot Symposium
Reading, Pennsylvania, 1999

Interesting Foot Ulcer Cases, 13th Annual Symposium on Advanced Wound Care and Related Research,
Dallas, Texas, 2000

The Diabetic Foot: Problem Solving with MRI, Radiological Society of North America
Chicago, Illinois, 2000

Metabolic Ulcerations of the Lower Extremities
14th Annual Symposium on Advanced Wound Care and Related Medical Research
Las Vegas, Nevada, 2001

The Effect of Ultrasound MIST Therapy on Common Wound Pathogens
14th Annual Symposium on Advanced Wound Care and Related Medical Research
Las Vegas, Nevada, 2001

The Use of Ultrasound MIST Therapy for the Promotion of Chronic Wound Healing
14th Annual Symposium on Advanced Wound Care and Related Medical Research
Las Vegas, Nevada, 2001

The Effect of Ultrasound MIST Therapy on Cutaneous Microcirculatory Blood Flow
14th Annual Symposium on Advanced Wound Care and Related Medical Research
Las Vegas, Nevada, 2001

Ultrasound MIST Therapy for the Promotion of Diabetic Foot Ulcerations
14th Annual Symposium on Advanced Wound Care and Related Research
Las Vegas, Nevada, 2001

Charcot Neuroarthropathy, The Reading Hospital and Medical Center
Reading, Pennsylvania, 2001

The Effect of Ultrasound MIST Therapy on Common Bacterial Pathogens
The John A. Boswick, MD Burn and Wound Care Symposium, Maui, Hawaii, 2002

The Use of Ultrasound MIST Therapy for the Promotion of Chronic Wound Healing
The John A. Boswick, MD Burn and Wound Care Symposium, Maui, Hawaii, 2002

Physiological Effects of Ultrasound MIST on Fibroblasts, 15th Annual Symposium on Advanced Wound Care & Medical Research, Baltimore, Maryland, 2002

The Effect of MIST Ultrasound Technology on Virulent Bacterial Wound Pathogens, 20th World Congress of the International Union of Angiology
New York, NY, 2002

The Effect of MIST Ultrasound Transfer Technology for the Promotion of Chronic Wound Healing, 20th World Congress of the International Union of Angiology
New York, NY, 2002

Intermittent Compression Pump for Nonhealing Wounds in Patients with Limb Ischemia: The Mayo Clinic Experience (1998-2000), 20th World Congress of the International Union of Angiology, New York, NY, 2002

The Efficacy of Plantar Pressure Study to Maximize the Offloading of the High- Risk Foot
The 16th Annual Symposium on Advanced Wound Care & Medical Research, Las Vegas, Nevada, 2003

Treatment of Lower Extremity Recalcitrant Ulceration with Combination of Hydrogel and Slow Release Iodine Preparation, The 16th Annual Symposium on Advanced Wound Care & Medical Research, Las Vegas, Nevada, 2003

The Efficacy of Plantar Pressure Study to Maximize the Offloading of the High -Risk Foot
John A. Boswick, MD Burn and Wound Care Symposium, Maui, Hawaii, 2004

The Use of an Intermittent Pneumatic Compression Pump in the Treatment of Upper Extremity Ulcers,
John A. Boswick, MD Burn and Wound Care Symposium, Maui, Hawaii, 2004

The Effect of Lower Extremity Amputation Level with the Use of an Intermittent Compression Pump in the High -Risk Foot: The Mayo Clinic Experience (1998-2003), John A. Boswick, MD Burn and Wound Care Symposium, Maui, Hawaii, /2004

Ultrasonic Assisted Wound (UAW) Therapy in the Ischemic Limb, The 17th Annual Symposium on Advance Wound Care and Related Medical Research
Orlando, Florida, 2004

The Use of an Intermittent Compression Pump in the treatment of Upper Extremity Ulcers
The 17th Annual Symposium on Advance Wound Care and Related Medical Research
Orlando, Florida, 2004

The Use of Low Frequency Non-Contact Ultrasound in the Treatment of Chronic Foot Ulcerations: A 51 Patient Retrospective Analysis, The 17th Annual Symposium on Advance Wound Care and Related Medical Research, Orlando, Florida, 2004

The Effect of Low Frequency Ultrasound of Pathological Bacteria - An In Vitro Study
American Podiatric Medical Association National Meeting, Boston, Massachusetts, 2004

The Use of Low Frequency Ultrasound in the Treatment of Chronic Lower Extremity Cutaneous Ulcerations, American Podiatric Medical Association National Meeting, Boston, Massachusetts, 2004

The Use of an Intermittent Pneumatic Compression Pump in the Treatment of Upper Extremity Ulcers, 3rd Mayo Vascular Symposium, Rochester, Minnesota, 2004

Outcome Studies of Patients with Critical Limb Ischemia with the Use of Intermittent Compression Pumps, The Mayo Clinic Experience, 3rd Mayo Vascular Symposium
Rochester, Minnesota, 2004

Effect of an Ultrasound-Assisted Wound Treatment (UAW) Device on Candida albicans Biofilms, 42 Annual Infectious Disease Society of America Boston, Massachusetts, 2004

The Use of Low Frequency Ultrasound in the Treatment of Chronic Foot and Leg Ulcerations: A 51 Patient Retrospective Analyses, John A. Boswick Burn and Wound Conference, Maui, Hawaii, 2005

The Effect of Lower Extremity Amputation Level with the use of an Intermittent Compression Pump in the High-Risk Foot. The Mayo Clinic Experience (1998-2004), American Professional Wound Care Association, Philadelphia, Pennsylvania, 2005

The Use of Low Frequency Ultrasound in the Treatment of Chronic Foot and Leg Ulcerations: A 51 Patient Retrospective Analysis, 18th Annual Symposium on Advanced Wound Care and Related Medical Research, San Diego, California, 2005

Improving Limb Salvage with Intermittent Pneumatic Compression in Patients with Critical Limb Ischemia: The Mayo Clinic Experience (1998-2004), John A. Boswick Burn and Wound Symposium, Maui, Hawaii, 2006

The Use of Low Frequency Non-Contact Ultrasound in the Treatment of Chronic Foot and Leg Ulcers: A 51 Patient Analyses, American Professional Wound Care Association, Philadelphia, Pennsylvania, 2006

Improving Limb Salvage with Intermittent Pneumatic Compression in Patients with Chronic Critical Limb Ischemia. The Mayo Clinic Experience (1998-2004), American Professional Wound Care Association, Philadelphia, Pennsylvania, 2006

Treatment of Web Space Ulcerations with Low Frequency Non-Contact Ultrasound
19th Annual Symposium on Advanced Wound Care and Related Medical Research
San Antonio, Texas, 2006

Predicting Outcomes with the Use of Low Frequency Non-Contact Ultrasound in the Treatment of
Chronic Extremity Ulcerations, 19th Annual Symposium on Advanced Wound Care and Related Medical
Research, San Antonio, Texas, 2006

Treatment of Full Thickness Burns with Noncontact Low-Frequency Ultrasound
John A. Boswick Burn and Wound Care Symposium, Maui, Hawaii, 2007

Treatment of Ischemic Wounds with Noncontact Low-Frequency Ultrasound: The Mayo Clinic
Experience (2004-2006), John A. Boswick Burn and Wound Care Symposium
Maui, Hawaii, 2007

Treatment of Ischemic Wounds with Noncontact Low-Frequency Ultrasound: The Mayo Clinic
Experience (2004-2006), American Professional Wound Care Association, Philadelphia, Pennsylvania,
2007

Response of Partial and Full Thickness Burns with the Use of Noncontact Low-Frequency Ultrasound, a
Pilot Study, American Professional Wound Care Association, Philadelphia, Pennsylvania, 2007

Treatment of Ischemic Wounds with Noncontact Low-Frequency Ultrasound: The Mayo Clinic
Experience (2004-2006), 20th Annual Symposium on Advanced Wound Care and Related Medical
Research, Tampa, Florida, 2007

Response of Partial and Full Thickness Burns with the Use of Noncontact Low-Frequency Ultrasound, a
Pilot Study, 20th Annual Symposium on Advanced Wound Care and Related Medical Research, Tampa,
Florida, 2007

Results of Minor Foot Amputation with the Use of Intermittent Pneumatic Compression in Patients with
Chronic Critical Limb Ischemia, Diabetic Limb Salvage Conference, Georgetown University Hospital,
Washington, District of Columbia, 2007

Treatment of Ischemic Wounds with Noncontact Low-Frequency Ultrasound: The Mayo Clinic
Experience (2004-2006), Advances in Skin and Wound Care National Conference, Nashville, Tennessee,
2007

Non -Contact Low-Frequency Ultrasound in the Removal of in vitro Bacterial Biofilms
John A. Boswick Burn and Wound Symposium
Maui, Hawaii, 2008

Treatment of Chronic Foot Ulcerations in High Risk Individuals with PriMatrix: A Case Series
John A. Boswick Burn and Wound Symposium, Maui, Hawaii, 2008

Expedited Wound Healing with Non- Contact Low-Frequency Ultrasound Therapy: A Retrospective
Analysis, John A. Boswick Burn and Wound Symposium, Maui, Hawaii, 2008

Improving Limb Salvage in Critical Ischemia with Intermittent Pneumatic Compression: A Controlled Study with Eighteen Month Follow-up, John A. Boswick Burn and Wound Symposium, Maui, Hawaii, 2008

Non- Contact Low-Frequency Ultrasound in the Removal of in vitro Bacterial Biofilms
American Profession Wound Care Association, Fort Worth, Texas, 2008

Treatment of Chronic Foot Ulcerations in High-Risk Individuals with PriMatrix: A Case Series
American Profession Wound Care Association, Fort Worth, Texas, 2008

Expedited Wound Healing with Non Contact Low-Frequency Ultrasound Therapy: A Retrospective Analysis, Wound Healing Society, San Diego, California, 2008

Utilizing Leptospermum Honey Alginate in the Treatment of Recalcitrant Lower Extremity Ulcerations: A Case Series, Wound Healing Society, San Diego, California, 2008

Improving Limb Salvage in Critical Ischemia with Intermittent Pneumatic Compression: A Controlled Study with Eighteen Month Follow-Up, Wound Healing Society, San Diego, California, 2008

Common Foot and Ankle Problems, Primary Care Internal Medicine, Rochester, Minnesota, 2008

Improving Limb Salvage in Critical Ischemia with Intermittent Pneumatic Compression: A Controlled Study with Eighteen-Month Follow-Up, Society of Vascular Medicine, Minneapolis, Minnesota, 2008

Effective Offloading of the Neuropathic Foot with a Flat Sole Versus a Rocker Sole Healing Shoe, American Professional Wound Care Association, Philadelphia, Pennsylvania, 2009

The Use of PriMatrix to Treat Chronic Ulcerations of the Midfoot Associated with Charcot Neuroarthropathy, Wound Healing Society, Dallas, Texas, 2009

The Use of PriMatrix to Treat Chronic Ulcerations of the Midfoot Associated with Charcot Neuroarthropathy, Diabetic Limb Salvage, Georgetown University Hospital Washington, District of Columbia, 2009

Clinical Use of Leptospermum Honey on Diabetic and Charcot Foot Wounds
Desert Foot Conference 2011, Scottsdale, Arizona, 2010

Pneumatic Compression Device for Non-reconstructable Peripheral Arterial Disease and Ischemic Wounds, Desert Foot Conference 2011
Phoenix, Arizona, 2011

PriMatrix: Fetal Bovine Acellular Dermal Matrix, A Novel Wound Healing Biologic. Desert Foot Conference, November 2012

Charcot Neuroarthropathy and its relationship to Diabetic Foot Ulceration and Limb Amputation.
Desert Foot November 2013

The use of an Acellular Fetal Collagen Dermal Matrix to Treat Chronic Ulcerations of the Midfoot with Charcot Neuroarthropathy. Diabetic Foot Conference, Los Angeles, CA. March 2013

The use of an Acellular Fetal Collagen Dermal Matrix to Treat Chronic Ulcerations of the Midfoot with Charcot Neuroarthropathy. John A Boswick Burn and Wound Symposium, Maui, HI. February 2013

The use of PriMatrix, a Fetal Bovine Acellular Dermal Matrix, in Healing Chronic Diabetic Foot Ulcers: A Prospective Multicenter Study. John A. Boswick Burn and Wound Symposium, Maui, HI. February 2014

The use of PriMatrix, a Fetal Bovine Acellular Dermal Matrix, in Healing Chronic Diabetic Foot Ulcers: A Prospective Multicenter Study. Diabetic Foot Conference, Los Angeles, CA., 2014

Puracyn Plus Rx: Advancing the Science of Wound Bed Preparation. Native American National Healthcare Conference. November 2014

ArtAssist: Clinical Evidence Utilizing a Pneumatic Compression Device for Arterial Disease. Native American National Healthcare Conference. November 2014.

Wound Bed Preparation and Therapeutic Value of Hypochlorous Solution on DFU and VLU Healing. John A. Boswick Advanced Wound and Burn Symposium, Maui, HI, February 2015.

Limb Preservation, the Team Approach for Optimal Patient Outcomes. NCVH National Conference, May 2015.

Miroderm Wound Matrix, A New Collagen Scaffold for Complex Wound Healing. John A. Boswick Advanced Wound and Burn Symposium, Maui, HI, February 2016

Wound Bed Preparation, the simple necessities to advanced modalities. Diabetic Limb Salvage, March 2016.

Perfusion Decellularization in the Preparation of a Hepatic Collagen Matrix in Wound Healing. NCVH National Meeting, June 2016.

INVITED PRESENTATIONS AND VISITING PROFESSORSHIPS

Mechanical Approach to the Severely Ischemic Limb, Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, New York, NY, 2002

Intermittent Pneumatic Compression Pump for Nonhealing Wounds with Limb Ischemia: The Mayo Clinic Experience, Medical College of Wisconsin, Milwaukee, Wisconsin, 2002

Intermittent Compression Pump for Nonhealing Wounds in Patients with Limb Ischemia: The Mayo Clinic Experience (1998-2000), The John A. Boswick, MD Burn and Wound Care Symposium^[1] Maui, Hawaii, 2003

Limb Salvage with the Use of Intermittent Compression Pumps: The Mayo Clinic Experience, Centers for Medicare & Medicaid Services (CMS), Baltimore, Maryland, 2004

Current Treatment Outcomes for Patients with Chronic Critical Limb Ischemia, St. Vincent Charity Hospital System, Cleveland, Ohio, 2004

Posterior Tibial Tendon Dysfunction, University of New England College of Osteopathic Medicine, Biddeford, Maine, 2004

Critical Limb Ischemia: Current Concepts in Limb Salvage, University of New England College of Osteopathic Medicine, Biddeford, Maine, 2004

Limb Salvage: Utilizing Low Frequency Ultrasound and Intermittent Pneumatic Compression, Guidelines for the Treatment of Arterial Ulcers, National Institute of Health, Bethesda, Maryland, 2006

Treatment of Foot Ulcers Utilizing Low Frequency Ultrasound and Intermittent Pneumatic Compression Guidelines for the Treatment of Diabetic Ulcers, National Institute of Health, Bethesda, Maryland, 2006

Low Frequency Ultrasound and Wound Healing. The Mayo Clinic Experience. Virtua Health System, Voorhees, New Jersey, 2008

Advances in Limb Preservation, Improving Arterial Inflow, University of Wisconsin, Madison, Wisconsin, 2010

The Science of Offloading the Diabetic Foot, University of Minnesota, Minneapolis, Minnesota, 2011

Improving Outcomes in Limb and Wound Healing, University of Michigan, Ann Arbor, Michigan, 2012

BIBLIOGRAPHY: PEER-REVIEWED ARTICLES

Kavros SJ, Lee H. Developmental anomalies produced by cytochalasin-b in early chick embryos. New Jersey Academy of Science. 1976 Spring.

Abramson C, Axler D, Kavros S, Hetherington V. Carcinoembryonic antigen on SV40 transformed syngenic cells. Federation of American Societies for Experimental Biology. 1977 Summer.

Kavros SJ, Amarnek D, Flick T, Marra R, Axler D. The effect of mixed microbial flora on healing of guinea pig cutaneous wounds treated with porcine skin. International Research Communication Service. 1979 Apr.

Hetherington VJ, Kavros SJ, Conway F, Mandracchia VJ, Martin W, Haubold AD. Pyrolytic carbon as a joint replacement in the foot: a preliminary report. J Foot Surg. 1982 Fall; 21(3):160-5.

Kavros SJ, Schoenhaus HD, Jay RM. Fracture of the posterior process of the talus: a case report. J Am Podiatry Assoc. 1983 Aug; 73(8):421-2.

Kavros SJ, Puglisi AS, Guttman GG. Nutcracker fracture of the foot: a case report. J Am Podiatry Assoc. 1983 Oct; 73(10):527-8.

Montori VM, Kavros SJ, Walsh EE, Rooke TW. Intermittent compression pump for nonhealing wounds in patients with limb ischemia - The Mayo Clinic experience (1998-2000). Int Angiol. 2002 Dec; 21(4):360-6.

Delfanian K, Davis MDP, Kavros SJ, Felty CL. Application of living skin equivalent for the treatment of chronic lower-extremity ulcers recalcitrant to conventional therapeutic methods. Wounds-A Compendium of Clinical Research & Practice. 2004 Mar; 16(3):105-8.

Pfizenmaier DH 2nd, Kavros SJ, Liedl DA, Cooper LT. Use of intermittent pneumatic compression for treatment of upper extremity vascular ulcers. Angiology. 2005 Jul-Aug; 56(4):417-22.

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