

# Curriculum Vitae

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## William A. Zamboni, M.D.

**Business Address:** Department of Surgery  
University of Nevada School of Medicine  
2040 W. Charleston Blvd., Suite 301  
Las Vegas, Nevada 89102-2227

**Marital Status:** Married, Karen Burke  
April 9, 1988

**Education:**

<b>College:</b>	University of Nevada Reno Reno, Nevada	1976-1980, B.S.
<b>Medical School:</b>	University of Nevada School of Medicine Reno, NV	1980-1984, M.D.
<b>Post Graduate:</b>	Resident in General Surgery SIU School of Medicine, Springfield, IL	1984-1988
	Chief Resident in General Surgery SIU School of Medicine, Springfield, IL	1988-1989
	Resident in Plastic and Reconstructive Surgery SIU School of Medicine, Springfield, IL	1989-1990
	Chief Resident in Plastic and Reconstructive Surgery SIU School of Medicine, Springfield, IL	1990-1991

### Academic Appointments:

Assistant Professor of Surgery Division of Plastic and Reconstructive Surgery Southern Illinois University School of Medicine, Springfield, Illinois	1991-1994
Chief, Section of Hyperbaric Medicine Director, Hyperbaric Research Laboratory Division of Plastic and Reconstructive Surgery Southern Illinois University School of Medicine, Springfield, Illinois	1991-1994
Associate Professor and Chief Division of Plastic Surgery University of Nevada School of Medicine, Las Vegas, Nevada	1994 -1998
Director, Microsurgery and Hyperbaric Research Laboratory University of Nevada School of Medicine, Las Vegas, Nevada	1994 -Present
Professor and Chief, Division of Plastic Surgery University of Nevada School of Medicine, Las Vegas, Nevada	1998 -Present
Vice-chairman, Department of Surgery University of Nevada School of Medicine, Las Vegas, Nevada	2000

Chairman, Department of Surgery University of Nevada School of Medicine, Las Vegas, Nevada	2002 - Present
Adjunct Professor, Department of Biological Sciences University of Nevada, Las Vegas, Nevada	2002 - Present
Adjunct Faculty Nevada Cancer Institute, Las Vegas, Nevada	2003 - Present
Program Director, Plastic Surgery Residency Program University of Nevada School of Medicine, Las Vegas, Nevada	2004 - Present

**Board Certification and/or Certifications:**

Diplomat National Board of Medical Examiners	1998
Instructor, Advanced Trauma Life Support ACS	1986 - present
Trained to Administer Hyperbaric Medicine, Long Beach Memorial Medical Center	1990
Diplomat of the American Board of Surgery (General Surgery)	1990
Radioisotope Laboratory Supervisor, Microsurgery Research Lab, Southern Illinois University School of Medicine, Springfield, IL	1992
Certification of Added Qualifications in Surgery of the Hand, American Board of Surgery	1993
Diplomat of the American Board of Plastic Surgery	1993
Advanced Burn Life Support	1995
Certified UAL Instructor Nashville, TN, September	1996
Re-Certification of Added Qualifications in Surgery of the Hand, American Board of Surgery	2002
CITI Course in the Protection of Human Research Subjects	2005
The Collaborative IRB Training Initiative - University of Nevada, Reno	2005

**Awards/Honors:**

Graduation with high distinction/ University of Nevada, Reno	1980
Phi Kappa Phi Academic Honor Society/ University of Nevada, Reno	1978 - 1980
Alpha Epsilon Delta Premedical Honor Society/ University of Nevada, Reno	1978 - 1980
Outstanding Young Men of America/ University of Nevada School of Medicine	1982
Nevada State Medical Association Scholarship	1983 - 1984
Outstanding Student in Clinical Surgery/ University of Nevada School of Medicine	1984
Alpha Omega Alpha/ University of Nevada School of Medicine	1984
First Prize in Resident Research and Presentation Competition (Robert J. Patton Award/ Illinois Chapter American College of Surgeons/ Champaign, IL	1986
Robert J. Patton Award (First Prize)/ Illinois Chapter American College of Surgeons/ Springfield, IL	1989
Ethicon Award for Excellence in Surgical Research/ Southern Illinois University School of Medicine Chief, Division of General Surgery	1989
Robert J. Patton Award (First Prize) Illinois Chapter American College of Surgeons/ Shelbyville, IL	1990
Excellence in Teaching Award (Recognized for teaching medical students on surgery clerkship) Department of Surgery/ Southern Illinois University School of Medicine	1992

Excellence in Teaching Award/ Department of Surgery/ Southern Illinois University School of Medicine	1993
Marquis Who's Who in Medicine and Health Care	1996
Outstanding Resident Teacher, University of Nevada School of Medicine	1998
"Top Forty Under Forty" Las Vegas Business Press, Las Vegas Nevada	1998
Paul Bert Distinguished Research Award/ UHMS International Meeting Stockholm Sweden, June	2000
Rudolf W.Gunnerman Silver State Award for Excellence in Science & Technology	2000
Distinguished Godina Traveling Lectureship, American Society of Reconstructive Microsurgery	2001
Voted Top 10 Plastic Surgeons, Las Vegas Life	2000, 2002
Alumnus of the Year, University of Nevada, Reno	2003
Voted Top Plastic Surgeon, Las Vegas Life	2004
Distinguished Physician of the Year Award Nevada State Medical Association	2005
Voted One of "America's Top Surgeons"	2004-2005
Foundation Professor Award, University of Nevada. Reno	2007

**Hospital Appointments:**

Active Staff Memorial Medical Center Springfield, IL	1991-1994
Active Staff Saint John's Hospital Springfield, IL	1991-1994
Director, Hyperbaric Medical Unit Memorial Medical Center Southern Illinois University School of Medicine, Springfield, IL	1991-1994
Active Staff Regional Burn Center Memorial Medical Center Springfield, IL	1991-1994
Active Staff Valley Hospital Medical Center Las Vegas, NV	1994-2003
Active Staff Sunrise Hospital Las Vegas, NV	1995-2003
Active Staff Las Vegas Surgical Center Las Vegas, NV	1994-present
Active Staff Lake Mead Medical Center Las Vegas, NV	1994-1998
Active Staff Health South Rehab Hospital Las Vegas, NV	1994-present
Active Staff Boulder City Hospital, NV	1995-present
Active Staff Valley View Surgical Center Las Vegas, NV	1995-present
Active Staff Sunrise Mountain View Hospital Las Vegas, NV	1996-2002
Active Staff University Medical Center Las Vegas, NV	1994-present
Active Staff Sahara Surgery Center Las Vegas, NV	1994-present

**Licensure:**

Illinois #036071990	1985
Nevada #7095	1994

**Memberships:**

American Medical Association	1984
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American Burn Association	1986
American College of Surgeons	1986
Undersea and Hyperbaric Medical Society	1989
Sangamon County Medical Society	1990
Illinois State Medical Society	1990
Springfield Medical Club	1991
Plastic Surgery Research Council	1992
The Harbinger Society	1993
American Society for Peripheral Nerve	1993
Association for the Advancement of Science	1993
American Society of Plastic and Reconstructive Surgeons	1994
Clark County Medical Society	1994
Las Vegas Chamber of Commerce	1994
Midwestern Association of Plastic Surgeons	1994
American Society of Reconstructive Microsurgery	1995
Nevada State Medical Association	1994 - present
American Society for Aesthetic Plastic Surgery	1995
American College of Hyperbaric Medicine	1995
International Society of Reconstructive Microsurgery	1996
Fellow American Society for Laser Medicine and Surgery	1996
Rocky Mountain Associate of Plastic and Reconstructive Surgeons	1996
Lipoplasty Society of North America	1996
Southwestern Surgical Congress	1997
The Society of University Surgeons	1997
American Association for Hand Surgery	1997
World Society for Reconstruct Microsurgery	2000
American Association of Plastic Surgeons	2001
American Association of University Professors	2005

**Internal Offices and Committees:**

Oncology Review Committee St. John's Hospital Springfield, IL	1987-1989
Nutritional Support Committee St. John's Hospital Springfield, IL	1989-1990
Multi disciplinary Trauma Committee St. John's Hospital Springfield, IL	1991-present
ER Residency Feasibility Subcommittee	1992-present
Chairman, Research Committee Department of Surgery Southern Illinois University School of Medicine	1993-1994
Library Committee Memorial Medical Center Springfield, IL	1993
Laboratory Animal Care and Use Committee Southern Illinois University School of Medicine	1993
Central Research Committee Southern Illinois University School of Medicine	1993
Program Project Review Committee Southern Illinois University School of Medicine	1994
Wound Care Committee Memorial Medical Center Springfield, IL	1994
Burn Care Committee University Medical Center Las Vegas, NV	1994-present
Member Department of Hand Surgery University Medical Center Las Vegas, NV	1995-present
Medical Associates Marketing Committee University of Nevada School of Medicine Las Vegas, NV	1995-present
Committee for Surgical Research University of Nevada School of Medicine Las Vegas, NV	1995-present
Board of Trustees University Surgery Professionals Las Vegas, NV	1995-present
Medical Associates University of Nevada School of Medicine Practice Plan Board Las Vegas, NV	1995-1996
Head, Section of Replantation and Microsurgery, Department of Hand Surgery University Medical Center Las Vegas, NV	1995-present
Chief, Department of Hand Surgery, University Medical Center Las Vegas, NV	1997-1999
Co-chairman Dean's Search Committee University of Nevada School of Medicine	2003- present
	1999

Dean's Strategic Steering Committee, UNSOM	2000 - 2001
Post Doctoral Examination Committee Graduate College UNLV, Las Vegas	2001
Dean Search Committee	2004
Physicians Advisory Committee, Clark County Commissioners	2002 – 2004
Practice Plan Bylaws Committee	2004
Integrated Clinical Services Board, UNSOM	2004-2006
Faculty Compensation Committee	2004-2005
Physician Shadow Program, UNSOM	1996 - present
AOA Counselor, UNSOM	2005

**External Offices and Academic Activities:**

**American Association of Plastic Surgeons**

Finance Committee	2005,2006
Strategic Planning Committee	2005,2006
Scientific Program Committee	2007-2008

**American Board of Plastic Surgery**

Oral Examiner	2002, 2003, 2004
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**American College of Surgeons**

NIH Grant Writing Workshop Young Investigators Conference Leesburg, VA	1992
Panel - Management of Complex Abdominal Wounds, Chicago, IL	1995
Moderator Surgical Forum PLS II, Chicago, IL	2006

**American Society for Aesthetic Plastic Surgery, Inc.**

Written Exam Question Writer	2004
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**American Society for Peripheral Nerve**

Coding and Reimbursement Committee	2007
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**American Society of Plastic Surgeons**

News Media Spokesperson	1995-2006
Scientific Program Committee	2000-2007
Moderator, San Antonio, TX	2002
General Reconstruction Subcommittee of the Scientific Program Committee	2002/2003
Nevada ASPS Council on State Affairs Representative	2003
Chairman, Research Grants Committee	2004-2005
Research Program Task Force	2005
Scientific Session Moderator	2005
Technology, Computer Based Education Committee	2005
Directed Research Committee	2006, 2007
Plastic Surgery Procedural Statistics Member	1996
Representative to the ASPS Public Education Committee	1998/1999
Panel "Integration of Wound Healing Center in a Plastic Surgery Practice", New Orleans, LA	1999
Panel "The nerve is cut, now what?" Philadelphia, PA	2005

**American Society of Reconstructive Microsurgery**

Moderator, Free Paper Session ASRM/PSEF Symposium on Current Concepts in Microsurgical Tissue Transfer St. Louis, MO March	1992
Panel Moderator, Breast Reconstruction, Boca Raton, FL	1997
Membership Committee	2000, 2007
Panel Moderator, San Diego, CA	2001
Godina Traveling Fellow	2001
Godina Fellow Lecture "Ischemia Reperfusion - A Personal Journey", Cancun, MX	2002
Panel, "When Free Flaps Fail", Cancun, MX	2002
Instructional Course, "Decision Making in Major Limb Replantation" AAHS/ASRM Day	2002 - 2004
Instructional Course, "Microsurgery Research Models" ASRM	2006, 2007
Godina Fellowship Selection Program Committee	2003
Executive Council	2002-2007
Treasurer Elect	2002-2004
Treasurer	2004-2006
Vice President	2007
Finance Committee	2002 - 2007

Scientific Program Committee, Annual Meeting	1997, 2001-2005
Moderator, Annual Meeting Scientific Sessions	2004 - 2007
Endowment Committee, Member	2005 - 2007
Ad-Hoc, Microsurgical Research Committee	2004 -2006\
Ad-Hoc, Micro Fellowship Committee	2007
Mentorship Program	2007
ASRM Panel at ASPS "The nerve is cut, now what?"	2005
Meeting attendance since finishing residency 100%	1992-2006
<b><u>Association of Academic Chairmen of Plastic Surgery</u></b>	
Nominating committee	2005-2006
Executive Council, Member at Large	2007-2008
AACPS Panel: Academic Plastic Surgery and Departments of Surgery, "Is It Time for a Divorce (specialty Divisions becoming Departments; A Chairs Perspective)"	2007
<b><u>Midwestern Association of Plastic Surgeons</u></b>	
Chairman, Program Committee Midwestern Association of Plastic Surgeons Annual Meeting Peoria, IL	1993
<b><u>Baromedical Research Foundation</u></b>	
Scientific Advisory Board	2000 - 2004
Advisory Panel	2001 - 2006
<b><u>My Hope Chest Organization</u></b>	
Advisor	2004
<b><u>Nevada State Medical Association</u></b>	
Delegate	2005 - 2007
Physician of the Year	2005
<b><u>Nevada Donor Network</u></b>	
Medical Advisory Committee Las Vegas, NV	1995 - 1997
<b><u>Plastic Surgery Education Foundation</u></b>	
Device & Technology Committee	1994-1995
Research Fellowship Grant Committee	1995-2004
Instructor: UAL Course (certified) Nashville, TN September	1996
Representative for the ASPS Public Education Committee	1996-1997
Instructor: UAL Course, Stanford University School of Medicine September	1997
Directed Research Committee	2001 - 2006
Research Grants Committee	2002 - 2005
Research Program Task Force	2004 - 2005
Chairman, Basic Research Grants Committee	2003 - 2005
<b><u>Plastic Surgery Research Council</u></b>	
Program Committee and Moderator, New York, NY	1995
Program Committee, St. Louis, MO	1996
Program Committee and Moderator, Galveston, TX	1997
Program Committee and Moderator, Loma Linda, CA	1998
Program Committee and Moderator, Pittsburgh, PA	1999
Program Committee and Moderator, Seattle, WA	2000
AAMC/ACSME Representative	2000 - 2002
Executive Committee	2002-2005
Scientific Program Chairman, Boston, MA	2002
Chairman and Host, Las Vegas, NV	2003
Development Committee	2004,2005
<b><u>Rocky Mountain Association of Plastic and Reconstructive Surgeons</u></b>	
Scientific Program Chairman, Kauai, Hawaii	2000
Secretary/Treasurer	2001-2003
<b><u>Sahara Surgery Center</u></b>	
Member, Ad Hoc Committee	2007
<b><u>Undersea and Hyperbaric Medical Society</u></b>	
Executive Committee Secretary	1991-1992
Chairman, Scientific Program Committee Annual Meeting, Nova Scotia	1992-1993
Clinical Trials Committee	1993-1994
Chairman, Scientific Session First Annual Course on Clinical Hyperbaric Oxygen	

Therapy, Karolinska Institute Hospital May	1994
Moderator Scientific Session , Annual Meeting Denver, CO	1994
Editorial Board Undersea & Hyperbaric Medical Journal	1996-present
Research Committee	2000
<b><u>World Society for Reconstructive Microsurgery</u></b>	
WSRM Panel "Major Limb Replantation"	2007
<b><u>Editorial Review Board</u></b>	
Hyperbaric Medical Journal	1996 - present
<b><u>Guest Reviewer For:</u></b>	
Journal of Urology-Investigative Section	1997
Annals of Plastic Surgery	1997
Plastic and Reconstructive Surgery Journal	1998
Diabetes Care	1998
Journal of Reconstructive Microsurgery	1998-present
Journal of Diabetics	2001
Tissue Engineering	2006
Journal of Surgical Research	2007

**Research Interests:**

Reperfusion injury in skeletal muscle, basic mechanisms of hyperbaric oxygen, signaling pathways for adhesion molecules.

**Grants:**

Plastic Surgery Education Foundation Grant\* for study of "The Effect of Hyperbaric Oxygen on the Microcirculation of Ischemic Skeletal Muscle" (\$3,000) 1990

Plastic Surgery Educational Foundation Grant\* for study of "Muscle Function Following Hyperbaric Oxygen Treatment of Reperfusion Injury in a Limb Replantation Model" (\$5,000) 1991

Memorial Medical Center Foundation Grant\* for study of "Hyperbaric Oxygen - Basic Mechanisms" (\$13,000) 1991

American Fraternity of the Eagles Grant\* for study of "Reperfusion Injury Following Kidney Ischemia" (\$5,000) 1991

Children's Miracle Network Fund\* for "Treatment of Limb Replantation with Hyperbaric Oxygen" (\$6,000) 1992

Hyperbaric Research and Development Grant\* for study of "The Role of Oxygen in the Treatment of Ischemic Skeletal Muscle in a Limb Replantation Model" (\$1,000) 1992

Hyperbaric Research and Development Grant\* for "A Study of Eicosanoid Production During Reperfusion of Ischemic Rat Hind Limbs and the Effect of Hyperbaric Oxygen" (\$1,000) 1992

Hyperbaric Research and Development Grant\* for study of "The Effect of Total Limb Ischemia on Microvascular Blood Flow During Reperfusion and the Effect of Hyperbaric Oxygen" (\$1,000) 1992  
Hyperbaric Research and Development Grant for study of "Effect of Hyperbaric Oxygen Therapy on Streptococcal Myositis" (\$1,000) 1992

Hyperbaric Research and Development Grant for study of "Effects of Hyperbaric Oxygen on Wound Healing Capabilities of the Doxorubicin-Treated Mouse" (\$1,000) 1992

Plastic Surgery Educational Foundation\* for "A Study of Eicosanoid Production during Reperfusion of Ischemic Rat Hind Limbs and the Effect of Hyperbaric Oxygen" (\$5,000) 1992

Central Research Committee Grant\* for “A Study of Eicosanoid Production During Reperfusion of Ischemic Rat Hind Limbs and the Effect of Hyperbaric Oxygen” (\$5,000) 1992/93

Memorial Medical Center Foundation Grant\* for “Fundamental Mechanisms of Hyperbaric Oxygen Treatment” (\$8,200) 1992/93

Plastic Surgery Educational Foundation and American Academy of Otolaryngology/Head and Neck Surgery Foundation Grant for “The effect of Hyperbaric Oxygen on Peripheral Nerve Regeneration Following Injury” (Primary Co-Investigator) (\$10,000) 1992/93

Hyperbaric Research and Development Grant for study of “Effects of Hyperbaric Oxygen on Wound Healing Capabilities of the Doxorubicin-Treated Mouse” (\$3,000) 1993

Hyperbaric Research and Development Grant for study of “Treatment of Aspergillus with HBO in a Rat Burn Model” (\$1,300) 1993

Hyperbaric Research and Development Grant for study of “The Effect of HBO on Ischemia-Reperfusion in Kidneys” (2,000) 1993

Hyperbaric Research and Development Grant for study of “Prevention of Skin Allograft Rejection with Hyperbaric Oxygen Treatment” (\$2,500) 1993

Hyperbaric Research and Development Grant for study of “The Effect of Hyperbaric Oxygen Therapy on Streptococcal Myositis” (\$1,300) 1993

Hyperbaric Research and Development Grant for study of “The Effect of HBO on Internal Neurolysis in a Chronic Nerve Compression Model” (\$2,700) 1993

Hyperbaric Research and Development Grant for study of “An Assessment of Oxygen Tension in an Extensively Mobilized Peripheral Nerve Model Over Time” (\$3,000) 1993

Hyperbaric Research and Development Grant\* for study of “A Model of Wound Healing for the Study of Hyperbaric Oxygen” (\$6,800) 1993

Hyperbaric Research and Development Grant\* for study of “An Evaluation of Hyperbaric Oxygen as Treatment for Failing Muscle Flaps” (\$6,800) 1993

Hyperbaric Research and Development Grant\* for study of “Effect of HBO on Total Venous Occlusion in Axial Skin Flaps” (\$3,350) 1993

Hyperbaric Research and Development Grant\* for study of “Evaluation of HBO as Treatment for Testicular Torsion” (\$2,260) 1993

Hyperbaric Research and Development Grant “Lymphoid Subpopulation Changes After HBO Treatment in a Scald Burn Rat Model” (\$4,731) 1993

Hyperbaric Research and Development Grant “A Model for Recording Microcirculatory Changes after Standardized Electrical Injury of Skeletal Muscle and the Effect of HBO” (\$3,274) 1993

Central Research Committee Grant\* for “A Study of Eicosanoid Production During Reperfusion of Ischemic Rat Hind Limbs and the Effect of Hyperbaric Oxygen” (\$5,000) 1993/94

Junior Faculty Research Award\* “Experimental Evaluation of Oxygen and Thromboxane in Ischemia-Reperfusion of Skeletal Muscle” University of Nevada-Reno Graduate School (\$10,000) 1994/95

NIH (Principal Investigator)\* “Mechanisms of Hyperbaric Oxygen in Ischemia-Reperfusion” (\$500,000) (R29GM-52720) 1994-1999

Rudolf W.Gunnerman Silver State Award Grant (\$5,000) 2001

Integra Life Sciences Grant, "Revascularization of Integra" (\$20,000) 2001

Core Use Incentive Grant through Nevada BRIN Program\* "Evaluation of CD18/11b Adhesion Molecule on Neutrophil Surface Membranes in Ischemia Reperfusion Injury" (\$10,000) 2003

NIH/UCCSN-CO\* Brin-Year 2-Task8 (\$12,600)

Plastic Surgery Education Foundation "Evaluation of CD18/11b Adhesion Molecule on Neutrophil Surface Membranes in Ischemia Reperfusion Injury" (\$5,000) 2003

Plastic Surgery Education Foundation "VEGF Upregulation by HBO in Ischemia Reperfusion" (\$4,000) 2004

University of Nevada, Las Vegas "Effect of Thermal Biofeedback on Diabetic Ulcers" (\$50,000) 2005

Foundation Professor Award, University of Nevada. Reno. (\$15,000) 2007

Alpha Omega Alpha Carolyn L. Kuckein Student Research Fellowship (\$500 – lab, \$4000 – student) 2007

\*Primary Investigator

**Presentations Scientific:**

"Surgery for Primary Hyperparathyroidism in Patients with Coexisting Pancreatitis" (First Prize - Residents Competition) Illinois Chapter, American College of Surgeons Champaign, IL March 1986

"Management of Acute Facial Powder Burns" Illinois Chapter, American College of Surgeons Champaign, IL March 1986

"Treatment of Hand Burns in Children" Illinois Chapter, American College of Surgeons Champaign, IL March 1986

"Adenoma Weight: A predictor of Transient Hypocalcemia Following Parathyroidectomy" Illinois Chapter, American College of Surgeons Champaign, IL March 1986

"Hand Burns in Children Under Age 5" American Burn Association Chicago, IL April 1986

"Adenoma Weight: A Predictor of Transient Hypocalcemia Following Parathyroidectomy" Southwestern Surgical Congress San Francisco, CA April 1986

"Pancreatic Carcinoma: Patient Survival and Surgical Palliation" (First Prize - Residents Competition) Illinois Chapter, American College of Surgeons Peoria, IL March 1987

"Acute Effects of Hyperbaric Oxygen on Axial Skin Flap Survival Administered Before and After Total Ischemia" American Society of Reconstructive Microsurgery Annual Meeting Baltimore, MD September 1998

"Effects of HBO on Reperfusion Injury in Axial Skin Flaps" (First Prize - Residents Competition) Illinois Chapter, American College of Surgeons Springfield, IL May 1989

"Hyperbaric Oxygen Improves Axial Skin Flap Survival When Administered During and After Total Ischemia - A Systemic Effect" Undersea and Hyperbaric Medical Society Honolulu, HI June 1989

"Mechanisms of HBO and Reperfusion Injury of Skeletal Muscle" (First Prize - Residents Competition) Illinois Chapter, American College of Surgeons Shelbyville, IL May 1990

“The Effect of HBO Treatment on the Microcirculation of Ischemic skeletal Muscle” Midwestern Association of Plastic Surgery Chicago, IL June 1990

“The Effect of Hyperbaric Oxygen Treatment on the Microcirculation of Ischemic Skeletal Muscle” International Congress on Hyperbaric Medicine Amsterdam, The Netherlands August 1990

“Acute Effects of Hyperbaric Oxygen on Laser Doppler Flow in Ischemic Axial Skin Flaps” International Congress on Hyperbaric Medicine Amsterdam, The Netherlands August 1990

“Morphological Effects of Hyperbaric Oxygen on the Muscle Microcirculation” The American Association for Hand Surgery Boston, MA October 1990

“Leukocyte Dependent Arteriolar Vasoconstriction Following Ischemia of Skeletal Muscle” Plastic Surgery Research Council 36th Annual Meeting Charlottesville, VA May 1991

“Effects of Hyperbaric Oxygen on Peripheral Nerve Regeneration” Senior Residents Conference Madison, WI May 1991

“Treatment of Necrotizing Infections” Illinois Chapter, American College of Surgeons Galena, IL May 1991

“Hyperbaric Oxygen and Peripheral Nerve Regeneration” Undersea and Hyperbaric Medical Society San Diego, CA June 1991

“Hyperbaric Oxygen - Basic Mechanisms” Scientific Session 20th Anniversary, Department of Surgery Southern Illinois University School of Medicine Springfield, IL October 1991

“The Effect of High Tension Oxygen on Nerve Regeneration”\* (M Gingrass) American Society for Peripheral Nerve Toronto, Ontario April 1992

“Experimental Evaluation of Oxygen Treatment for Ischemic Skeletal Muscle” \* (BA Bergman) Plastic Surgery Research Council Toronto, Ontario April 1992

“Functional Effects of Oxygen in the Treatment of Ischemic Skeletal Muscle” American Association of Plastic Surgeons Vancouver, BC May 1992

“The Effect of High Tension Oxygen on Nerve Regeneration”\* (M Gingrass) Illinois Chapter, American College of Surgeons Peoria, IL May 1992

“Treatment of Lawn Mower Induced Hand Injuries”\*\*\* (P McBride) Illinois Chapter, American College of Surgeons, Peoria, IL May 1992

“Experimental Evaluation of Oxygen Treatment for Ischemic Skeletal Muscle”\* (BA Bergman Illinois Chapter, American College of Surgeons, Peoria, IL May 1992

“Experimental Evaluation of Oxygen in the Treatment of Ischemic Skeletal Muscle” Undersea and Hyperbaric Medical Society Bethesda, MD, June 1992

“Use of Hyperbaric Oxygen in Ischemic Tissue” Division of Otolaryngology, Head and Neck Surgery Resident/Alumni Research Day - Scientific Session Southern Illinois University School of Medicine, Springfield, IL June 1992

“Microvascular Protection From Ischemia Reperfusion With Hyperbaric Oxygen” Illinois Surgical Society, Giant City, IL October 1992

“Hyperbaric Oxygen and Regeneration in Nerve Grafts” \*(M Gingrass) American Society of Reconstructive Microsurgery Annual Meeting, Scottsdale, AZ November 1992

“Assessment of Intraneural Oxygen Tension and Blood Flow in an Extensively Mobilized Peripheral Nerve” \*(M Gingrass) Plastic Surgery Research Council 38th Annual Meeting Houston, TX April 1993

“Single Vessel Arteriovenous Revascularization of the Amputated Ear” \*(D Kenneaster, MSIV) (Second Prize - Students Competition) Southern Illinois University Chapter, Alpha Omega Alpha Combined Research Symposium, Springfield, IL April 1993

“The Effect of Hyperbaric Oxygen on Mortality From Necrotizing Soft Tissue Infections” \*(J Oberg) (Second Prize - Residents Competition) Illinois Chapter, American College of Surgeons, Springfield, IL May 1993

“The Role of Oxygen in Nerve Injury and Repair” \*(M Gingrass) Illinois Chapter, American College of Surgeons, Springfield, IL May 1993

“The Use of HBO in Compromised Free Tissue Transfer and Replantation: A Clinical Review” \*(M Waterhouse) Illinois Chapter, American College of Surgeons, Springfield, IL May 1993

“Microvascular Flow vs Microvascular Flow in Ischemia Reperfusion Injury” \*(J Corcoran) Illinois Chapter, American College of Surgeons, Springfield, IL May 1993

“The Effects of Hyperbaric Oxygen on Renal Function Following Partial and Global Ischemia” \*(K Matteson) Illinois Chapter, American College of Surgeons, Springfield, IL May 1993

“Microvascular Flow Does Not Reflect Microvascular Flow in Rat Hind Limb Ischemia-Reperfusion Model” \*(J Corcoran) Midwestern Association of Plastic Surgeons Annual Meeting, Chicago, IL June 1993

“Evaluation of Intraneural Oxygen Tension in a Nerve-Injured Model” \*(M Gingrass) Midwestern Association of Plastic Surgeons, Annual Meeting Chicago, IL June 1993

“Single Vessel Arteriovenous Revascularization of the Amputated Ear” Midwestern Association of Plastic Surgeons Annual Meeting, Chicago, IL June 1993

“Assessment of Intraneural Oxygen Tension and Blood Flow in an Extensively Mobilized Peripheral Nerve Model” \*(M Gingrass) (Second Prize - Residents Competition) Undersea and Hyperbaric Medical Society Annual Scientific Meeting Halifax, Nova Scotia July 1993

“Histologic Assessment of HBO Treated Peripheral Nerve Grafts” \*(M Gingrass) Undersea and Hyperbaric Medical Society Annual Scientific Meeting Halifax, Nova Scotia July 1993

“The Effect of Hyperbaric Oxygen on Renal Function Following Partial and Global Ischemia” \*(K Matteson) Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Halifax, Nova Scotia July 1993

“The Effect of Hyperbaric Oxygen on Mortality From Necrotizing Soft Tissue Infections” \*(J Oberg) Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Halifax, Nova Scotia July 1993

“The Use of HBO In Compromised Free Tissue Transfer and Replantation: A Clinical Review” \*(M Waterhouse) Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Halifax, Nova Scotia July 1993

“The Effect of HBO on Nerve Repairs in a Rabbit Tibial Nerve Model” \*(RE Brown) Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Halifax, Nova Scotia July 1993

“Microvascular Flow does Not Reflect Microvascular Flow in a Rat Hind Limb Ischemia-Reperfusion Model” \*(J Corcoran) American Society for Reconstructive Microsurgery Ninth Annual Meeting, Kansas City, MO September 1993

“Evaluation of HBO as a Treatment for Testicular Torsion” \*(J Kolski) AOA Combined Research Symposium (Third Place - Students Competition) Southern Illinois University School of Medicine, Springfield, IL April 1994

“The Effect of Ketorolac Tromethamine (Toradol) on Ischemic-Reperfusion in Skeletal Muscle” \*(K Yao) AOA Combined Research Symposium (Second Place - Students Competition) Southern Illinois University School of Medicine, Springfield, IL April 1994

“Nipple - Areolar Perfusion and Reduction Mammoplasty: Correlation of Laser Doppler Readings with Surgical Complications” \*\* (EG Zook), The American Society for Aesthetic Plastic Surgery, Dallas, TX April 1994

“Free Tissue Transfer to the Upper Extremity - Indications and Outcome” \*(J Hussman) (Second Place - Resident Clinical Paper) Midwestern association of Plastic Surgeons 34th Annual Meeting, Peoria, IL May 1994

“Experimental Evaluation of Muscle Flap contracture Against an Artificial Reservoir” \*(J Koski) Midwestern Association of Plastic Surgeons 34th Annual Meeting, Peoria, IL May 1994

“The Effect of Ketorolac Tromethamine (Toradol) on Ischemic-Reperfusion in Skeletal Muscle” \*(K Yao) (Special Student Investigator Award) Midwestern Association of Plastic Surgeons 34th Annual Meeting, Peoria, IL May 1994

“Mechanisms of Ischemia-Reperfusion Injury in Skeletal Muscle: CD18 Dependent Neutrophil-Endothelial Adhesion” Plastic Surgery Research Council 39th annual Meeting, Ann Arbor, MI June 1994

“Effect of Hyperbaric Oxygen on Survival of Axial Skin Flaps Subjected to Total Venous Occlusion” \*(D Kenneaster) Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Denver, CO June 1994

“A Model for Recording the Microcirculatory Changes Associated with Standardized Electrical Injury of Skeletal Muscle and Its Responses Towards Treatment with Hyperbaric Oxygen” \*(J Hussman) Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Denver, CO June 1994

“Lymphoid Subpopulation Changes After Acute and Chronic Treatment with HBO in a 30% Scald Burn Rat Model” \*(J Hussman) Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Denver, CO June 1994

“Evaluation of HBO as Treatment for Testicular Torsion” Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Denver, CO June 1994

“Ischemia-Reperfusion in Skeletal Muscle: CD18 Dependent Neutrophil-Endothelial Adhesion” Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Denver, CO June 1994

“Microcirculatory Changes Associated with Standardized Electrical Injury of Skeletal Muscle in a Rat Gracilis Muscle Model” \*(J Hussman) American College of Surgeons Annual Congress, Chicago, IL October 1994

“Mechanisms of Ischemia - Reperfusion Injury in Skeletal Muscle: TX A<sub>2</sub> Dependent Arteriole Vasoconstriction” American Society Reconstructive Microsurgery, Marco Island, Florida January 1995

“Hyperbaric Oxygen Improves Outcome of Streptococcal Myositis in Mice” Illinois Chapter, American College of Surgeons, April 1995

Effect of Motion on Digital Nerve Repair in a Fresh Cadaver Model” \* M Malczewski) Midwest Association of Plastic Surgeons June 1995

“Evaluation of Hyperbaric Oxygen for Diabetic Wounds: A Prospective Study” Undersea and Hyperbaric Medical Society, Palm Beach, FL June 1995

“Hyperbaric Oxygen Therapy Improves Outcome of Streptococcal Myositis in Mice” \*(D Erdmann) Undersea and Hyperbaric Medical Society, Palm Beach, FL June 1995

“Effect of Hyperbaric Oxygen on Composite Graft Survival in a Rat Ear Model” \*(M Haws) Undersea and Hyperbaric Medicine Annual Scientific Meeting, Palm Beach, FL June 1995

“Microarteriole Vasoconstriction Reduces Functional Blood Flow to Ischemic Muscle During Reperfusion” American College of Surgeons, Surgical Forum, New Orleans, LA October 1995

“The Effect of Hyperbaric Oxygen Treatment on the Survival of Skeletal Muscle Subjected to Ischemia-Reperfusion Injury” \*(N Blanco) George Bierkamper Convocation, Reno, NV January 1996

“The Effect of Hyperbaric Oxygen Treatment on the Survival of skeletal Muscle Subjected to Ischemia-Reperfusion Injury” \*(N Blanco) American Federation of Clinical Research, Carmel, CA February 1996

“Effect of Hyperbaric Oxygen (HBO) on Skeletal Muscle Necrosis Following Primary and Secondary Ischemia in a Rat Model” \*(H Wong) The Society of University Surgeons 38th Annual University Surgical Residents’ Conference February 1996 and American College of Surgeons, Nevada Chapter, Las Vegas, NV February 1996

“Spontaneous Esophageal Perforation in an Acute Burn Patient” Southern Illinois University School of Medicine, Springfield, IL April, 1996

“The Effect of Hyperbaric Oxygen (HBO) on Neutrophil Concentration and Pulmonary Sequestration in Reperfusion Injury” \*(H Wong) UHMS Annual Scientific Meeting, Anchorage, Alaska May 1996

“The Effect of Hyperbaric Oxygen (HBO) on Skeletal Muscle Necrosis following Primary and Secondary Ischemia in a Rat Model” \*(H Wong) UHMS Annual Scientific Meeting, Anchorage, Alaska, May 1996

“The Effect of Hyperbaric Oxygen (HBO) on Neutrophil Concentration and Pulmonary Sequestration in Reperfusion Injury”\*(H Wong) Plastic Surgery Research Council, St. Louis, MO June 1996

“The Effect of Hyperbaric Oxygen (HBO) on Skeletal Muscle Necrosis Following Primary and Secondary Ischemia in a Rat Model” \*(H Wong) American College of Surgeons, Surgical Forum, San Francisco, CA October 1996

“The Effects of L-Name and L-Arginine on Ischemia-Reperfusion Injury in Rat Skeletal Muscle” \*(David G. Meldrum, MSII) George G. Bierkamper Student Research Convocation Mentors, Reno NV January 1997

“Effect of Ischemia and Reperfusion Injury on the Number of Flowing Capillaries and Muscle Viability in a Rat Gracilis Model” \*(Terry P. Olivas, MSIV) George G. Bierkamper Student Research Convocation Mentors, Reno NV January 1997

“Ischemia-Reperfusion Injury in Rat Skeletal Muscle: Role of L-Selectin on Leukocyte Flux, Velocity, and Endothelial Adhesion” ASRM/AAHS 12th Annual Meeting, Boca Raton, FL January 1997

“The Effects of L-Name and L-Arginine on Ischemia-Reperfusion Injury in Rat Skeletal Muscle” \*(David G. Meldrum, MSII) American Federation of Clinical Research, Carmel, CA February 1997

“Effect of Ischemia and Reperfusion Injury on the Number of Flowing Capillaries and Muscle Viability in a Rat Gracilis Model” \*(Terry P. Olivas, MSIV) The 42nd Annual Plastic Surgery Research Council Meeting, Galveston, Texas March 1997

“The Effects of L-Name and L-Arginine on Ischemia-Reperfusion Injury in Rat Skeletal Muscle” \*(David G. Meldrum, MSII) 42nd Annual Plastic Surgery Research Council, Galveston, Texas March 1997

“Effect of Hyperbaric Oxygen and Medicinal Leeching on Survival of Axial Skin Flaps Subjected to Total Venous Occlusion” \*(D Lozano, M.D.) UHMS Annual Scientific Meeting, Cancun, Mexico June 1997

“Effect of Total Venous Occlusion on Muscle Necrosis” \*(Naomi Chaney, MSII) George G. Bierkamper Student Research Convocation, Reno, NV January 1998

“Effect of Total Venous occlusion on Muscle necrosis” \*(Naomi Chaney, MSII) America Federation for Clinical Research, Carmel, CA February 1998.

“The Effects of HBO Treatment on PMN Expression of CD18 in a Rat Model of IR” \*(Jon L. Larson, M.D.) American College of Surgeons, Nevada Chapter, Las Vegas, NV March 1998

“The Effects of HBO Treatment on PMN Expression of CD18 in a Rat Model of IR” \*(Jon L. Larson, M.D.) American College of Surgeons, Surgical Forum, Orlando, FL October, 1998

“Thromboxane A<sub>2</sub> Production is not Altered in Ischemia-Reperfusion Injury” \*(P Mazolewski, M.D.) UHMS Annual Scientific Meeting, Seattle, WA May 1998

“The Effects of HBO Treatment on PMN Express of CD18 in a Rat Model of Ischemia Reperfusion (IR)” \*(J Larson, M.D.) (Third Place - Residents Competition) UHMS Annual Scientific Meeting, Seattle, WA May 1998

“Effect of Total Venous Occlusion on Capillary Flow and Necrosis in Skeletal Muscle” \*(Allen Gabriel, MSII) George G. Bierkamper Student Research Convocation, Reno, NV January 1999

“Effect of Total Venous Occlusion on Capillary Flow and Necrosis in Skeletal Muscle” \*(Allen Gabriel, MSII) American Federation for Medical Research, Carmel, CA January 1999

“Effect of Total Venous Occlusion on Capillary flow and Necrosis in Skeletal Muscle” \*(Allen Gabriel, MSII) Plastic Surgery Research Council, Pittsburgh, PA May 1999

“Nitric Oxide in Skeletal Muscle Following Hyperbaric Oxygen Therapy in Ischemia-Reperfusion Injury” \*(JD Curry, M.D.) UHMS Annual Scientific Meeting, Boston, MA June 1999

“Effect of Probe Rate and Tumescent Volume on Aspirate in Ultrasound – Assisted Lipoplasty” \*(Elizabeth R. Raskin) George G. Bierkamper Student Search Convocation, Reno, NV January 2000

“Effect of Probe Rate and Tumescent Volume on Aspirate in Ultrasound – Assisted Lipoplasty” \*(Elizabeth R. Raskin, MSII) American Federation for Medical Research, Carmel, CA February 2000

“Effect of L-Arginine on Leukocyte Function in IR Surgery – Skeletal Muscle Microcirculation” \*(Allen Gabriel, MSII), Plastic Surgery Research Council, Seattle, WA May 2000

“The Effect of Liposuction on Skin Perfusion” \*(SC Gupta), Plastic Surgery Research Council, Seattle, WA May 2000

“The Effect of Hyperbaric Oxygen in Nitric Oxide Concentrations in Skeletal Muscle Undergoing Ischemia Reperfusion Injury”, Reno, NV 2001

“Effects of Hyperbaric Oxygen on Ischemia Reperfusion Induced PMN CD18 Polarization” \*(KT Khiabani) 46<sup>th</sup> Annual Meeting of The Plastic Surgery Research Council, June 9-12, 2001

“Effects of Hyperbaric Oxygen on Ischemia Reperfusion Induced PMN CD 18 Polarization” \*(KT Khiabani), The 55<sup>th</sup> Annual Meeting of the Canadian Society of Plastic Surgery, June 6 – 9, 2001, Jasper, Alberta, Canada

“The use of artificial skin in complex wound closure as an alternative to free tissue transfer” \*\* (KT Khiabani), The 55<sup>th</sup> Annual Meeting of the Canadian Society of Plastic Surgery, June 6 – 9, 2001, Jasper, Alberta, Canada

“The Effect of Liposuction on Skin Perfusion” \*\* (KT Khiabani), The 55<sup>th</sup> Annual Meeting of the Canadian Society of Plastic Surgery, June 6 – 9, 2001, Jasper, Alberta, Canada

“Late Preconditioning Attenuates Vascular Endothelium Dysfunction after Prolonged Ischemia/ Reperfusion in Skeletal Muscle”, \*\* (WZ Wang), World Congress of Reconstructive Microsurgery, October 31 – November 3, 2001, Taipei, Taiwan

“HBO inhibits IR induced Neutrophil CD18 Polarization by a Nitric Oxide Mechanism” \*(S Jones, MSII), Bierkamper Convocation, Reno, NV January 22, 2002

“HBO inhibits IR induced Neutrophil CD18 Polarization by a Nitric Oxide Mechanism”, \*(S Jones, MSII), American Federation for Medical Research, Carmel, CA, February 2002

“HBO inhibits IR induced Neutrophil CD18 Polarization by a Nitric Oxide Mechanism”, \*(S Jones, MSII), 47<sup>th</sup> Annual Meeting of the Plastic Surgery Research Council, Boston, MA April 17-20, 2002

“Role of PKC in Microvascular protection in the late phase of ischemic or adenosine preconditioning in skeletal.” \*\* (WZ Wang), 47<sup>th</sup> Annual Meeting of the Plastic Surgery Research Council, Boston, MA 2002

“Late preconditioning in the microcirculation of skeletal muscle in STZ-induced diabetic rats” \*\* (WZ Wang), 47<sup>th</sup> Annual Meeting of the Plastic Surgery Research Council, Boston, MA 2002

“HBO Inhibits IR Induced Neutrophil CD18 Polarization by a Nitric Oxide Mechanism” \*(S Jones, MSII), Annual Scientific Meeting Undersea and Hyperbaric Medical Society, La Jolla, CA, June 28-30, 2002

“Ischemia-Reperfusion: The Inhibitory Effect of HBO on PMN CD18 Polarization is NOS Dependent” \*(KM Carpin, MDI), Bierkamper Convocation UNR, Reno NV January 21, 2003

“Ischemia-Reperfusion: The Inhibitory Effect of HBO on PMN CD18 Polarization is NOS Dependent” \*(KM Carpin MSII) American Federation for Medical Research, Carmel CA February 2003

“Effect of L-Arginine on Leukocyte Adhesion in Ischemia-Reperfusion Injury” \*(ML Porrino, MDII), Bierkamper Convocation, UNR Reno, NV, January 21, 2003

“Effect of L-Arginine on Leukocyte Adhesion in Ischemia-Reperfusion Injury” \*(ML Porrino, MSII), Bierkamper Convocation, UNR, Reno, NV, January 21, 2003

“Effect of L-Arginine on Leukocyte Adhesion in Ischemia-Reperfusion Injury” \*(ML Porrino, MSII), American Federation for Medical Research, Carmel, CA, February 2003

“Ischemia-Reperfusion: The Inhibitory Effect of HBO on PMN CD18 Polarization is NOS Dependent” \*(KM Carpin, MSII), 48<sup>th</sup> Annual Meeting of the Plastic Surgery Research Council, Las Vegas, NV 2003

“Effect of L-Arginine on Leukocyte Adhesion in Ischemia-Reperfusion Injury” \*(ML Porrino, MSII), 48<sup>th</sup> Annual Meeting of the Plastic Surgery Research Council, Las Vegas, NV 2003

“Nitric Oxide Syntheses upregulation in the Late Phase of Ischemic Preconditioning in Skeletal Muscle” \*\* (WZ Wang), 48<sup>th</sup> Annual Meeting of the Plastic Surgery Research Council, Las Vegas, NV 2003

“Evaluation of Integra Neovascularization in an Avascular Wound” \*(LK Browder, MD), ASRM Annual Scientific Meeting, Palm Springs, CA, Jan 2004, Best Paper Award

“Effect of NOS Inhibitors on Leukocyte Adhesion in Ischemia Reperfusion” \*(A. Khoie, MSII), Bierkamper Convocation, UNR, Reno, NV Jan 20, 2004

“The Effect of Isoform-Selective Nitric oxide Synthase Inhibitors on PMN Adhesion and Capping of CD18/11b in Ischemia-Reperfusion Injury”\*(S.M. Woodward, MSII), UNR, Bierkamper Convocation, Reno NV, January 20, 2004

“The Effect of Hyperbaric Oxygen on Nitric Oxide Synthase and Vascular Endothelial Growth Factor Expression in Ischemia Reperfusion Injury”\*(RC Baynosa, MD R2), UNR, Bierkamper Convocation, Reno NV, January 20, 2004

“Effect of NOS Inhibitors on Leukocyte Adhesion in Ischemia Reperfusion”\*(A. Khoie, MSII), American Federation for Medical Research, Carmel, CA, February 2004

“The Effect of Isoform-Selective Nitric oxide Synthase Inhibitors on PMN Adhesion and Capping of CD18/11b in Ischemia-Reperfusion Injury”\*(SM. Woodward, MSII), American Federation for Medical Research, Carmel, CA, February 2004

“The Effect of Hyperbaric Oxygen on Angiogenesis in Wound Healing: Is the Beneficial Effect of HBO on Wound Healing Through a Nitric Oxide – Vascular Endothelial Growth Factor Pathway” \*(Korshunov Y, BS), 29th Annual West Coast Biological Sciences Undergraduate Research Conference, San Diego, California, April 2004.

“The Effect of Hyperbaric Oxygen on Nitric Oxide Synthase and Vascular Endothelial Growth Factor Expression in Ischemia-Reperfusion Injury” \*(RC Baynosa, MD) 49th Annual Plastic Surgery Research Council Meeting, Ann Arbor, Michigan, June 2004.

"The Effect of Hyperbaric Oxygen on Nitric Oxide Synthase and Vascular Endothelial Growth Factor Expression in Ischemia-Reperfusion Injury." \*(RC Baynosa, MD) American College of Surgeons, Surgical Forum, New Orleans, LA, OCT 2004.

“The Effect of Isoform-Selective Nitric Oxide Synthase Inhibitors On PMN CD18/11b Polarization In Ischemia-Reperfusion Injury” \*(SM Woodward, MSII) 49th Annual Plastic Surgery Research Council Meeting, Ann Arbor, Michigan, June 2004.

"Ischemia Reperfusion: NOS Inhibition Reverses the Effect of HBO on Neutrophil Adhesion In Vivo." \*(A Khoie, MSII) 49th Annual Plastic Surgery Research Council Meeting, Ann Arbor, Michigan, June 2004.

"The Effect of VEGF on Leukocyte Adhesion in Ischemia Reperfusion Injury" \*(BK Hansen, BS) BIOS Symposium, UNLV, Las Vegas NV, Oct 23, 2004

"The Effect of VEGF on Leukocyte Adhesion in Ischemia Reperfusion Injury" \*(BK Hansen, BS) Southern California Conference on Undergraduate Research, Whittier College, Whittier, CA, Nov 20, 2004

"The Effect of Vascular Endothelial Growth Factor on Leukocyte Adhesion in Ischemia-Reperfusion Injury" \*(BK Hansen, BS) Arizona/Nevada Academy of Science 49th Annual Meeting, Las Vegas, Nevada, April 2005

"Hyperbaric Oxygen Upregulates VEGF mRNA through a HIF-1 Pathway" \*(PS Murphy, MD) Arizona/Nevada Academy of Science 49th Annual Meeting, Las Vegas, Nevada, April 2005

"The Effects of Hyperbaric Oxygen on NOS Activity and Transcription in Ischemia Reperfusion Injury", \*(RC Baynosa, MD), Arizona/Nevada Academy of Science 49th Annual Meeting, Las Vegas, Nevada, April 2005

"Lack of BH<sub>4</sub> Contributes to Endothelial Dysfunction and Degradation of eNOS Activity in Skeletal Muscle after prolonged Ischemia." \*(WZ Wang, MD) 50th Annual Meeting Plastic Surgery Research Council Toronto, Ontario, CA, May 2005

"The Effect of Vascular Endothelial Growth Factor on Leukocyte Adhesion in Ischemia-Reperfusion Injury" \*(BK Hansen, BS) 50th Annual Meeting Plastic Surgery Research Council Toronto, Ontario, CA, May 2005

"Hyperbaric Oxygen Upregulates VEGF mRNA through a HIF-1 Pathway", \*(PS Murphy, MD), 49th Annual Meeting Undersea & Hyperbaric Medical Society, Las Vegas, NV, June 2005 Best Overall Resident Poster Presentation

"The Effects of Hyperbaric Oxygen on NOS Activity and Transcription in Ischemia Reperfusion Injury", \*(RC Baynosa, MD), 49th Annual Meeting Undersea & Hyperbaric Medical Society, Las Vegas, NV, June 2005 Best Overall Resident Poster Presentation

"The Effect of Vascular Endothelial Growth Factor (VEGF) on Neutrophil CD18/11b Adhesion and Polarization in IR Injury", \*(CM Ellis, MSIII), 49th Annual Meeting Undersea & Hyperbaric Medical Society, Las Vegas, NV, June 2005 Second Place Resident's Competition

"The Effect of Vascular Endothelial Growth Factor on Leukocyte Adhesion in Ischemia-Reperfusion Injury" \*(BK Hansen, BS), 49th Annual Meeting Undersea & Hyperbaric Medical Society, Las Vegas, NV, June 2005 Best Overall Resident Poster Presentation Honorable Mention

"Effect of HBO on VEGF in IR: Role of the Plasminogen System" \*(FA Amiri, Undergrad) BIOS Symposium, UNLV, Las Vegas NV, Nov 5, 2005

"The Effect of Hyperbaric Oxygen on Endothelial Nitric Oxide Synthase in Late Ischemia Reperfusion Injury" \*(Ashley K. Graves), 2006 BIOS Symposium, UNLV, Las Vegas Nevada

"The Effect of Hyperbaric Oxygen on Endothelial Nitric Oxide Synthase Expression in Ischemia Reperfusion Injury"\*(Seth A. Bellister, MSII), American Federation for Medical Research, Carmel, CA, February 2007

"The Effect of Hyperbaric Oxygen on eNOS Protein Expression in Ischemia Reperfusion Injury" \*(Richard C. Baynosa), Resident Research Initiative, UNSOM, Las Vegas, Nevada June 2007

"In Vivo Down-Regulation of Vascular Endothelial Growth Factor (VEGF) Protein in a Gracilis Muscle Model Using siRNA" \*(Peter R. Letourneau), Resident Research Initiative, UNSOM, Las Vegas, Nevada June 2007

"Use of a Novel Penetrating, Sutureless Anastomotic Device in Arterial Microvascular Anastomoses" \*(Ross Stuttmann), Resident Research Initiative, UNSOM, Las Vegas, Nevada June 2007

"A New Technique of Internal Suture Mastopexy." \*(Raman C. Mahabir), 61<sup>st</sup> Canadian Society of Plastic Surgeons Annual Meeting in Banff Alberta, June 2007

"Iatrogenic Pseudoaneurysm Following Radial Forearm Free Tissue Transfer" \*(Raffi V. Hovsepian), 57<sup>th</sup> Annual Meeting of the California Society of Plastic Surgeons, Inc., San Francisco, CA, 2007.

"Ischemia/reperfusion-induced Apoptotic Endothelial Cells Isolated from Rat Skeletal Muscle", \*(WZ Wang), American Society for Reconstructive Microsurgery 2008 Annual Meeting, Los Angeles, CA, 2008.

\*Resident or

\*\*Co-Investigator Presentation

### **Presentations Posters:**

"Ischemia-Reperfusion of Skeletal Muscle: Arteriolar Vasoconstriction Secondary to an Increase in Leukocyte Adherence" Annual Meeting of Fed Amer Soc Exp Biol, Atlanta, GA October 1990

“Effect of HBO on Peripheral Nerve Regeneration” American Society of Reconstructive Microsurgery, Seattle, WA November 1991

“Effect of HBO on Regeneration in Rabbit Tibial Nerves” American Society of Reconstructive Microsurgery, Kansas City, MO September 1993

“Composite Nailbed Grafts” American Association for Hand Surgery, Cancun, Mexico December 1993

“Hyperbaric Oxygen Treatment and Rat Peroneal Nerve Transsection and Entubulation” ASPRS Annual Meeting and American Academy of Otolaryngology Head and Neck Surgery Foundation, September 1994

“The Effects of Chronic Ketoralac Tromethamine on TGF- $\alpha$  and Angiogenesis in the Healing Wound” 46<sup>th</sup> Annual Meeting Plastic Surgery Research Council, Milwaukee, WI, June 9-12, 2001

“Neutrophil Adherence in Ischemia Reperfusion Injury: A Novel Method for Evaluation of CD18 Surface Polarity” \*(KT Khiabani), American Society of Reconstructive Microsurgery, Cancun, Mexico, Jan 12-15, 2002

"Microcirculatory Protection of Skeletal Muscle in Remote Preconditioning" \*\*(WZ Wang), 48th Annual Meeting of the Plastic Surgery Research Council, Las Vegas, NV 2003

“The Effect of Hyperbaric Oxygen on Angiogenesis in Wound Healing: Is the Beneficial Effect of HBO on Wound Healing Through a Nitric Oxide – Vascular Endothelial Growth Factor Pathway” \*(Korshunov Y, BS), Distinguished White Lecture, University of Nevada, Las Vegas, April 19, 2004

"Chondrogenic Potential of Rat Adipose Tissue" \*\*(KT Khiabani) 50th Annual Meeting Plastic Surgery Research Council Toronto, Ontario, CA, June 2005

"VEGF as a Molecular Signal in the Hyperbaric Oxygen Pathway." \*(Patrick S. Murphy) 51st Annual Meeting of the Plastic Surgery Research Council Dana Point, CA, May 2006.

"Melatonin Reduces Superoxide Generation in the Arterial Wall and Cell Death in the Muscle after Ischemia Reperfusion" \*\*(Wei Z. Wang) 51st Annual Meeting of the Plastic Surgery Research Council Dana Point, CA, May 2006.

"Engineering Cartilage-and Bone-Like Tissue in Vitro Using Rabbit Adipose-Derived Stromal Cells and Biodegradable Poly-Lactic-Glycolic Acid Scaffolds." \*(Pete R. Letourneau) 51st Annual Meeting of the Plastic Surgery Research Council Dana Point, CA, May 2006.

"Effect of HBO on VEGF in IR: Role of the Plasminogen System". \*(Farhad A. Amiri) 31st Annual WCBSURC, April 2006.

"The Effect of Oxygen on PMN Polarization and Adhesion of CD11b in Ischemia Reperfusion Injury". \*(Sarah S. Skaggs) Summer Undergraduate Research Closing Poster Session, EPSCoR, UNLV, August 2006.

“The Effect of Hyperbaric Oxygen on eNOS Protein Expression in Ischemia Reperfusion Injury” \*(Richard C. Baynosa), Resident Research Day, UNSOM, 2007.

“In Vivo Down-Regulation of Vascular Endothelial Growth Factor (VEGF) Protein in a Gracilis Muscle Model Using siRNA” \*(Peter R. Letourneau), Resident Research Day, UNSOM, 2007.

“Use of a Novel Penetrating, Sutureless Anastomotic Device in Arterial Microvascular Anastomoses” \*(Ross Stutman), Resident Research Day, UNSOM, 2007.

\*Resident or

\*\*Co-Investigator Presentation

**Instructional Courses/Invited Lectures and Symposia (Faculty):**

“Morphological Aspects of Reperfusion Injury: Instructional Course on Hyperbaric Oxygen Therapy International” Congress on Hyperbaric Medicine Amsterdam, The Netherlands August 1990

“Reperfusion Injury in Ischemic Skeletal Muscle” Winter Symposium on Hyperbaric Medicine, Aspen, CO January 1991

“Necrotizing Infections and Hyperbaric Oxygen” 1990 Winter Symposium on Hyperbaric Medicine, Aspen, CO January 1991

“Hyperbaric Oxygen in Necrotizing Infections” Symposium on Infections and Antibiotic Problems Department of Internal Medicine, Southern Illinois University School of Medicine, Springfield, IL November 1991

Course Director Symposium on Hyperbaric Oxygen Therapy in Medicine and Surgery - A Comprehensive Review Department of Surgery, Southern Illinois University School of Medicine and Memorial Medical Center Springfield, IL November 1991

“Rectus Abdominis Free Tissue Transfer” ASRM/PSEF Symposium on Current Concepts in Microsurgical Tissue Transfer, St. Louis, MO March 1992

“Experimental Advances in Reperfusion Injury” ASRM/PSEF Symposium on Current Concepts in Microsurgical Tissue Transfer, St. Louis, MO March 1992

“Microvascular Preservation by Hyperbaric Oxygen” Winter Symposium on Baromedicine, Steamboat Springs, CO January 1993

Panel Discussion on Hyperbaric Oxygen, Winter Symposium on Baromedicine, Steamboat Springs, CO January 1993

“Necrotizing Soft Tissue Infections” Hyperbaric Medicine 1993 Advanced Training seminar, Richland Memorial Hospital and University of South Carolina School of Medicine, Columbia, SC April 1993

“Skin Flaps and Reperfusion Injury” Hyperbaric Medicine 1993 Advanced Training Seminar, Richland Memorial Hospital and University of South Carolina school of Medicine, Columbia, SC April 1993

“Peripheral Nerve Regeneration” Hyperbaric Medicine 1993 Advanced Training Seminar, Richland Memorial Hospital and University of South Carolina school of Medicine, Columbia, SC April 1993

“Hyperbaric Oxygen and Ischemia-Reperfusion” Hyperbaric Medicine Training Course Medical College of Wisconsin, Milwaukee, WI May 1993

“HBO and Peripheral Nerve Regeneration” Hyperbaric Medicine Training Course Medical College of Wisconsin, Milwaukee, WI May 1993

“Treatment of Problem Wounds” Hyperbaric Medicine Training Course Medical College of Wisconsin, Milwaukee, WI May 1993

“Surgical Perspectives in Necrotizing Infections” Hyperbaric Medicine Training Course Medical College of Wisconsin, Milwaukee, WI May 1993

“Microcirculatory Effects of HBO for Ischemia-Reperfusion Injury” Symposium on Advances in Hyperbaric Oxygen Therapy, Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Halifax, Nova Scotia, Canada July 1993

“Appropriate Use of HBO in Flap Surgery” Symposium on Advances in Hyperbaric Oxygen Therapy, Undersea and Hyperbaric Medical society Annual Scientific Meeting Halifax, Nova Scotia, Canada July 1993

“Hyperbaric Oxygen and Failing Flaps” Winter Symposium on Hyperbaric Medicine, Breckenridge, CO January 1994

“Common Tumors of the Hand” Disorders of the Upper Extremity Symposium , Southern Illinois University School of Medicine, Springfield, IL February 1994

“Adjunct Treatment of Massive Abdominal Wounds” American College of Surgeons Annual Congress Panel on Early Management and Late Reconstruction of Abdominal Dehiscence, Chicago, IL October 1994

“Pathophysiology of Flaps” American Society Reconstructive Microsurgery, Marco Island, FL January 1995

Appropriate Use of HBO in Flap Surgery Advanced Training Course in Hyperbaric Medicine, Columbia, SC March 1995

Necrotizing Infections - The Illinois Experience Advanced Training Course in Hyperbaric Medicine, Columbia, SC March 1995

Advanced Suture and Wound Care Techniques Workshop AAPA 23rd Annual Physician Assistant Conference, Las Vegas, NV June 1995

“Integration of Wound Healing Center in a Plastic Surgery Practice”, panel discussion, American Society of Plastic Surgeons, New Orleans, LA, 1999

“When Free Flaps Fail”, panel discussion, American Society for Reconstructive Microsurgery, Cancun, Mexico, April 2002

Flap Pathophysiology and Ischemic Reperfusion, Head & Neck Symposium, MGH/Harvard, Boston, MA, 2002

Instructional Course, "Decision Making in Major Limb Replantation" AAHS/ASRM Day 2002 - 2004

Image and Beyond - Women's League of Temple Beth Shalom, Education Day Seminar, Las Vegas, Nevada, April 2004

“The nerve is cut, now what?” panel discussion, American Society of Reconstructive Microsurgery, Philadelphia, PA, 2005

ASRM Panel at ASPS "The nerve is cut, now what?" 2005

Current Concepts in Aesthetic Breast Surgery. Michigan Academy of Plastic Surgery, Mackinaw Island, Michigan, July 2006

Face Lift Panel, Michigan Academy of Plastic Surgery, Mackinaw Island, Michigan, July 2006

Instructional Course, "Microsurgery Research Models" ASRM 2006, 2007

World Society for Reconstructive Microsurgery Panel, “ \_\_\_\_\_ Athens, Greece 2007  
Major Limb Replantation **Check with Raman**

**Presentations Invited and Visiting Lectures:**

“Ischemic Skin Flaps and Reperfusion Injury” Hyperbaric Regional Training Course University of South Carolina School of Medicine, Columbia, SC, February 1991

“Hyperbaric Oxygen - Basic Principals” Illinois Academy of Family Physicians Medicine for Today Postgraduate Program, Mattoon, IL, October 1991

“Reperfusion Injury in Skeletal Muscle” University of Nevada School of Medicine, Las Vegas, NV, December 1991

“Treatment of Necrotizing Infections” Moscow Military Hospital, Moscow, Russia, August 1992

“Use of Tissue Expanders in Reconstructive Surgery” Moscow Military Hospital, Moscow, Russia, August 1992

“Hyperbaric Oxygen and Post-Ischemia Reperfusion” American Delegation Visit, St. Petersburg, Russia, August 1992

“Current Concepts in Tissue Expansion” American Delegation Visit, St. Petersburg, Russia, August 1992

“The Rectus Abdominis Muscle in Free Tissue Transfer” American Delegation Visit St. Petersburg, Russia, August 1992

“Wound Healing” General Surgery Basic Science Seminar Southern Illinois University School of Medicine Springfield, IL, November 1992

“Surgical Rejuvenation” Central Illinois Chapter American Association for Medical Transcription Springfield, IL, December 1992

“Mechanisms of Hyperbaric Oxygen for Ischemia-Reperfusion” Brooks Air Force Base Hyperbaric Medicine Unit San Antonio, TX, April 1993

“Mechanisms of Ischemia-Reperfusion in Skeletal Muscle” Department of Plastic and Reconstructive Surgery Grand Rounds Medical College of Wisconsin Milwaukee, WI, May 1993

“Postoperative Results in Plastic Surgery” Surgical Nurses of Illinois Seminar Memorial Medical Center Springfield, IL, July 1993

“Oxygen and Ischemia-Reperfusion of Skeletal Muscle: Experimental Evaluation and Clinical Application” Guest Alumni Lecture 11th Annual Bierkamper Student Research Convocation University of Nevada School of Medicine Reno, NV, January 1994

“Burn Management and Anesthesia Considerations” CRNA In-Service Seminar Memorial Medical Center Springfield, IL, February 1994

“Wound Management and Closure Techniques” Stages of Life in Diabetes Symposium Department of Medicine, Southern Illinois University School of Medicine Springfield, IL, February 1994

“Basic Science of Wound Healing” Department of Internal Medicine Grand Rounds Southern Illinois University School of Medicine Springfield, IL, April 1994

“Use of HBO in Crush Injury and Limb Replantation” Karolinska Institute and Hospital Stockholm, Sweden, May 1994

“Applications of HBO in Plastic Surgery” Karolinska Institute and Hospital Stockholm, Sweden, May 1994

“Timing of Reconstructive Surgery Following Mastectomy” Primary Care for the 90’s Lake Tahoe, NV May 1995

“Timing of Reconstructive Surgery Following Mastectomy” Women of Mastectomy, Las Vegas, NV June 1995

“Advances in Microsurgery” Nevada State Associate Professor of Occupational Health Nurses, Las Vegas, NV, June 1995

“The Role of Oxygen in Facilitating Wound Healing in Plastic Surgery” Los Angeles Society of Plastic Surgeons Los Angeles, CA August 1995

“Management of Maxillofacial Trauma” University Medical Center Trauma Student Instructional Course. Las Vegas, NV August 1995

“Management of Scleroderma” Scleroderma Society, Las Vegas, NV March 1996

“Plastic Surgeon’s View of Diabetic Ulcers” Lecture for Internal Medicine Residents, University of Nevada School of Medicine, Las Vegas, NV, April 1996

“Reperfusion Injury, Clinical Implications and Therapy” LDS Hospital Salt Lake City, Utah, April 1996

“Management Strategies for Complicated hand Injuries-The Las Vegas Experience” Occupational Nurses of Las Vegas, NV, April 1996

“Breast Cancer Awareness Day” Unveiling of New Postage Stamp by U.S. Postal Service, Las Vegas, NV, June 1996

“Differential Effects of Platelet-Derived Growth Factor BB in Accelerating Wound Healing in Aged versus Young Animals: The Impact of Tissue Hypoxia” Discussion by W.A. Zamboni, M.D. March 29, 1996

“Management of Difficult Wounds” (Microsurgery in Difficult Wounds) and “Breast Reconstruction, Autologous Reconstruction of the Breast by Turbo-Charged Tram Flap” Rocky Mountain Association of Plastic and Reconstructive Surgeons, Durango, Colorado, February 1997

“Visiting Professor: University of Texas MD Anderson Cancer Center Houston, TX April 1997  
Lecturer: The Houston Society of Plastic Surgeons “Early Experience with Ultrasound Assisted Lipoplasty”, Houston, TX, April 1997

Plastic Surgery Grand Rounds: “Basic Mechanisms of Hyperbaric Oxygen in Ischemia Reperfusion Injury” Houston, TX, April 1997

Presentation at Jean Hanna Clark Rehabilitation Center “Current Concepts in Microsurgery” Las Vegas, NV, April 24, 1997

“HBO and Plastic Surgery” Southeastern Society of Plastic and Reconstructive Surgeons, Williamsburg, VA, June 8, 1997

“Ischemia-Reperfusion Injury and Acute Traumatic Ischemias” Karolinska Hospital and Institute, Stockholm, Sweden, June 10, 1997

“HBO in Plastic Surgery and Soft Tissue Infections” Karolinska Hospital and Institute, Stockholm, Sweden, June 10, 1997

18<sup>th</sup> Annual Meeting American Association for Medical Transcription: “Latest Techniques in Liposuction” Las Vegas, NV, July 29, 1997

The Susan G. Komen Breast Cancer Foundation Presents: Survivors in Search of a Voice, Medical Perspectives Panel of Speakers-Reconstructive Surgery, Las Vegas, NV, July 30, 1997

Academy of Research Otolaryngology 25th Annual Meeting Presidential Symposium 1998 “Mechanisms of Hyperbaric Oxygen Ischemia-Reperfusion Injury in Muscle Flaps” St. Petersburg, FL, February 15, 1998

“Reperfusion Injury Current Status” Southern Illinois University School of Medicine 25th Anniversary, Springfield, IL, September 1998

“Ear Lobe Position in Face Lifting” Southern Illinois University School of Medicine 25th Anniversary Springfield, IL, September, 1998

“Applications of Hyperbaric Oxygen in Plastic Surgery” Visiting Lecture British Hyperbaric Annual Association Meeting, Hull Royal Infirmary Hull, England, October 1998

“Ultrasonic Liposuction of the Head and Neck”, Third Annual Sierra Nevada Society of Otolaryngology Meeting, Las Vegas, Nevada, April 2000

“Application of HBO in Plastic surgery – Research and Clinical Applications” Maxillofacial International Symposium, Karolinska Institute, Stockholm Sweden, June 2000

“HBO and Ischemic Reperfusion Injury” Australian Hyperbaric Society, 8<sup>th</sup> Annual Meeting, Brisbane, Australia, September, 2000

“Applications of Hyperbaric Oxygen in Plastic Surgery”, McGill University, Montreal Canada, June, 2001

“Applications of Hyperbaric Oxygen in Plastic Surgery”, Brussels, Belgium, June, 2001

“Applications of Hyperbaric Oxygen in Plastic Surgery”, University of Heidelberg, Ludwigshafen, German, June 2001

“Applications of Hyperbaric Oxygen in Plastic Surgery”, University Medical Center Ljubljana, Ljubljana Slovenia, June, 2001

“Applications of Hyperbaric Oxygen in Plastic Surgery”, Undersea and Hyperbaric Medical Society, Pacific Chapter, 28<sup>th</sup> Annual Meeting, Las Vegas, NV, September, 2001

“Ischemia Reperfusion Injury: A Personal Journey”, University of California, Irvine, August, 2001

“Ischemia Reperfusion Injury: A Personal Journey”, University of Southern California, August, 2001

"Ischemia Reperfusion Injury: A Personal Journey", Godina Traveling Fellow, Godina Fellow Lecture, Cancun, Mexico, 2002

"When Free Flaps Fail", Panel Discussion, Cancun, Mexico, 2002

Applications of HBO in Flap Surgery, MGH/Harvard Symposium, Boston, MA November, 2002

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#### **Publications Abstracts:**

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