

CURRICULUM VITAE

PERSONAL DATA

Name: **Iraklis I. Pipinos**

Address: Department of Surgery
982500 Univ. of Nebraska Medical Center
Omaha, NE 68198-2500

Telephone: (402) 559-9549

EDUCATION

Medical School University of Crete, School of Medicine
Crete, Greece, 09/26/86- 07/24/92
M.D. degree: July 30, 1992

POSTDOCTORAL TRAINING:

Research training Henry Ford Hospital, Dept. of Surgery,
Division of Vascular Surgery, Detroit, Michigan.
1) November 1, 1993 - May 30, 1993
Mentors: C.B. Ernst, MD and A.D. Shepard, MD
2) July 1, 1996- June 30, 1997
Mentors: W.H. Beierwaltes, PhD and O.A. Carretero, MD
3) July 1, 1999- June 30, 2000
Mentors: H.N. Sabbah, PhD and M.D. Boska, PhD

Ph.D. University of Crete, School of Medicine
Crete, Greece, July 1, 1999- July 14, 2004
Title of thesis: Skeletal Muscle Mitochondriopathy in Patients with
Peripheral Arterial Disease
Ph.D. degree: December 8, 2004
Mentors: A. Katsamouris MD, A.D. Shepard, MD,
and M.D. Boska, PhD.

Internship/Residency Henry Ford Hospital, Department of Surgery,
Detroit, Michigan.
July 1, 1993 -June 30, 1999
Program Director: F.R. Lewis, Jr, MD

Vascular Fellowship Henry Ford Hospital, Division of Vascular Surgery,
Detroit, Michigan.
July 1, 1999 – June 30, 2001
Program Director: D.J. Reddy, MD

Endovascular Mini-Fellowship Stanford University, Division of Vascular Surgery,
Stanford, California.
July 1, 2001 – Sept 30, 2001
Program Director: C.K. Zarins, MD

ACADEMIC/STAFF APPOINTMENT

University of Nebraska Medical Center, Department of Surgery, Section of Vascular Surgery, Omaha, Nebraska

July 2020-Present Joseph and Richard Still Endowed Professor of Surgery

July 2011-Present Professor

July 2006 – June 2011 Associate Professor of Surgery

Sept 2001 – June 2006 Assistant Professor of Surgery

Nebraska and Western Iowa Veteran's Affairs Medical Center, Department of Surgery, Omaha, Nebraska

Nov 2007 - Present Chief, Vascular Surgery

Sept 2001 - 2007 Staff Vascular Surgeon

Creighton University, Department of Surgery, Section of Vascular Surgery, Omaha, Nebraska

Oct 2011 – Dec 2014 Clinical Professor of Surgery

Jan 2006 – Oct 2011 Clinical Assistant Professor of Surgery

University of Nebraska at Omaha, Department of Biomechanics

Nov 2005 - Present Adjunct Faculty Member

University of Nebraska at Lincoln, Department of Engineering Mechanics, Lincoln, Nebraska

Nov 2009 – Present Adjunct Faculty Member

University of Nebraska Medical Center, Department of Cellular and Integrative Physiology, Omaha, Nebraska

March 2011-Present Courtesy Faculty Member

SERVICE TO THE UNIVERSITY

- 1) Department of Surgery representative to the Medical Sciences Interdepartmental Area Graduate Program, University of Nebraska Medical Center, Omaha, Nebraska, January 2006-2015
- 2) Member, Research and Development Committee, University of Nebraska, College of Medicine, Omaha, Nebraska, January 2010-present
- 3) Member, Translational Research Task Force, University of Nebraska, College of Medicine, Omaha, Nebraska, September 2011-2013
- 4) Member, Clinical Research Unit committee, Nebraska and Western Iowa Veteran's Affairs Medical Center, Omaha, Nebraska, January 2006-present
- 5) Member, search committee for Assistant Professor-Biomechanics, University of Nebraska at Omaha, School of Health, Physical Education and Recreation, Omaha, Nebraska, June 2006
- 6) Member, Promotion and Tenure committee, Nebraska and Western Iowa Veteran's Affairs Medical Center, Omaha, Nebraska, July 2008-2009 and January 2011-present
- 7) Chair, Promotion and Tenure committee, Department of Surgery, University of Nebraska Medical Center, Omaha, Nebraska, 2011
- 8) Member, Promotion and Tenure committee, Department of Surgery, University of Nebraska Medical Center, Omaha, Nebraska, 2015
- 9) Member, Academic Variable Compensation Committee, Department of Surgery, University of Nebraska Medical Center, Omaha, Nebraska, 2016
- 10) Member of the Internal Review Committee for the Division of Plastic & Reconstructive Surgery, Department of Surgery, University of Nebraska Medical Center, Omaha, Nebraska, 2018
- 11) Member of the search Committee for the Chair of the Department of Physiology and the Center for Cardiovascular Research, University of Nebraska Medical Center, Omaha, Nebraska, 2017-2018
- 12) Member of the Internal Review Committee for the Department of Internal Medicine, University of Nebraska Medical Center, Omaha, Nebraska, 2020

SOCIETY ACTIVITIES

Association for Academic Surgery and Society of University Surgeons

Program Committee, Academic Surgical Congress	2009-2011
Publications Committee, Association for Academic Surgery	2012
Co-chair, Subcommittees for the AAS Overall Manuscript Competition	2012

Publications Committee, Society of University Surgeons 2013

International Union of Angiology

Judge and Moderator, Clinical and Basic Science, Julius

Jacobson Award Sessions, 23rd World Congress, Athens, Greece. 2008

Midwestern Vascular Surgical Society

Councilor 2013-2015

Chair of Membership Committee 2011-2012

Membership Committee 2010-2012

Examiner, Mock Oral Boards 2019

Society for Vascular Surgery

Research and Education Committee 2007-10

Program Committee (Endovascular), SVS Research Initiatives Conference 2007

Program Committee (Basic Sciences), Vascular Annual Meeting 2008

Program Committee (Basic Sciences), SVS Research Initiatives Conference 2009

Program Committee (Basic Sciences), SVS Research Initiatives Conference 2010

Program Committee, SVS Vascular Annual Meeting 2013-15

Item Writer for the VESAP 4 Vascular Education and Self-Assessment Program 2017

Basic and Translational Research Committee 2021-present

Arteriosclerosis, Thrombosis and Vascular Biology

Reviewer of abstracts for the Annual Scientific Sessions 2013, 2015

Moderator Session on Contemporary Management of
Peripheral Arterial Disease 2013

American Heart Association

Moderator and Discussant for the Peripheral Arterial Disease, Myopathy, Lipid and Cellular Modulation	2013
Member at Large on the Council on Peripheral Vascular Disease (PVD) Leadership Committee	2015 – 2017
<u>Association of VA Surgeons</u>	
Membership Committee	2021 - 2024

LICENSURE

State of Nebraska License

License #: 21818
 Issued: October 1, 2008
 Expires: October 1, 2022

State of California License (Retired Status)

License #: A74243
 Issued: April 5, 2001
 Expires: Retired Status

State of Michigan License (Expired)

License #: 4301061204
 Issued: August 17, 1998
 Expired: January 31, 2008

Federal DEA License

License #: BP5983564
 Issued: March 25, 2010
 Expires: March 31, 2022

ACLS

Issued: December 2011
 Expires: December 2021

BLS

Issued: March 2013
 Expires: March 2023

National Practitioner Identification (NPI)

1508816976

CERTIFICATION

Diplomate American Board of Surgery

Certificate #: 45082

Initial Certification Date: April 11, 2000
Reverification Date: January 10, 2022

Diplomate American Board of Vascular Surgery

Certificate #: 101240

Initial Certification Date: May 21, 2002

Reverification Date: January 10, 2022

MEMBERSHIPS AND PROFESSIONAL SOCIETIES

Active

1995-	American College of Surgeons
2007-	Society of University Surgeons
2003-	Society for Vascular Surgery
2002-	Association for Academic Surgery
2004-	Association of VA Surgeons
1994-	American Medical Association
2010-	American Heart Association
2003-	Mitochondrial Medicine Society
2004-	Midwestern Vascular Surgical Society
1994-	Detroit Surgical Association
1999-	Roy D. McLure Surgical Association
2011-	The New York Academy of Sciences

TEACHING ACTIVITIES:

The University of Nebraska, School of Medicine

2001-present	Moderator, VA vascular conferences Topic: Vascular Surgical Case Conference. Approximately three to four residents and one to two medical students per lecture. Presented every week for medical student and resident education and quality assurance.
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2001-2011	Surgery Clerkship lectures for M3's Topic: "Introductory lectures to Vascular Surgery" Approximately twenty students per lecture. Presented every two months to the incoming medical students
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The Chicago Medical School / Henry Ford Hospital site:

1996-2001	Surgery Clerkship lectures for M3's Topic: "Introductory session on basic surgical skills" Approximately four to six students per lecture. Presented every two months to the incoming medical students
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GRANT SUPPORT

Active Grants

Autophagy in Peripheral Artery Disease: Clinical Significance and Therapeutic Potential

Agency: AHA and VIVA Physicians Career Development Award Number: 851214
Project Period: 07/01/2021 and end on 06/30/2024
Total Funds: \$231,000
Principal Investigator: Li
Role: Co-Mentor (Casale, Pipinos)

Improving walking in peripheral artery disease using specially designed assistive shoes

Agency: Rehabilitation Research and Development Service (VA SPiRE, 1I21RX003877)
Project Period: 01/01/2022 and end on 12/30/2024
Total Funds: \$230,000
Principal Investigator: Rahman
Role: Co-Investigator

Machine learning applications for gait signatures in patients with peripheral artery disease

Agency: University of Nebraska Collaboration Initiative
Project Period: 07/01/2021 and end on 06/30/2023
Total Funds: \$149,405
Principal Investigator: Myers, Alsaleem (Co-PIs)
Role: Co-Investigator

Harnessing walking variability to reduce falls in older adults

Agency: University of Nebraska Collaboration Initiative
Project Period: 07/01/2021 and end on 06/30/2023
Total Funds: \$149,570
Principal Investigator: Stergiou
Role: Co-Investigator

Detecting the Walking Phases with Raised Oxygen Costs for Targeted Therapy

Agency: University of Nebraska Collaboration Initiative
Project Period: 07/01/2021 and end on 06/30/2022
Total Funds: \$38,399
Principal Investigator: Malcolm
Role: Co-Investigator

Augmented Reality for Avatar-Based Metronomes to Improve Human Movement

Agency: University of Nebraska Collaboration Initiative
Project Period: 07/01/2021 and end on 06/30/2022
Total Funds: \$39,960
Principal Investigator: Mastorakis
Role: Co-Investigator

Improving Mobility in Patients with Peripheral Artery Disease Using Specially Designed Tennis Shoes

Agency: University of Nebraska Collaboration Initiative

Project Period: 07/01/2021 and end on 06/30/2022
Total Funds: \$39,967
Principal Investigator: Rahman
Role: Co-Investigator

Peripheral Artery Disease: The Use of Genomic Assessment to Distinguish Biologic Subgroups With Remarkably Distinct Responses to Supervised Exercise Treadmill Training

Agency: University of Nebraska Collaboration Initiative
Project Period: 07/01/2021 and end on 06/30/2022
Total Funds: \$7500
Principal Investigator: Pipinos, Liu (co-PIs)
Role: Co-Principal Investigator

Exoskeleton footwear to improve walking performance and subject-reported preference

Agency: VA Rehabilitation Research and Development Service, I01 RX003266
Project Period: 01/01/2020 - 12/31/2023
Total Funds: \$ 1,156,159
Principal Investigator: Myers and Pipinos (Co-PIs)
Role: Co-Principal Investigator

Hypoxic/Oxidative Stress in micro-vessels of PAD patients: Predictors of myopathy and response to intervention

Agency: AHA Predoctoral Fellowship AHA Award Number: 20PRE35210577
Project Period: 1/1/2020 - 12/31/2021
Total Funds: \$62,310
Principal Investigator: Mentored student Molly Schieber
Role: Casale and Pipinos Co-Mentors

Effect of cell-based therapies on functional, hemodynamic, and histologic outcomes in a porcine model of peripheral arterial disease

Agency: NIH/NIA, R01AG062198
Project Period: 07/01/2019 - 06/30/2024
Total Funds: \$ 3,808,812
Principal Investigator: Pipinos and Carlson (Co-PIs)
Role: Co-Principal Investigator

Harnessing movement variability to treat and prevent motor related disorders

Agency: NIH/NIGMS 2P20GM109090-06
Project Period: 08/01/14-07/31/2024
Total Funds: \$10,392,394
Principal Investigator: Nicholas Stergiou
Role: Research Mentor for Philippe Malcolm PhD on the sub-protocol "Exoskeleton optimization for reducing gait variability in patients with Peripheral Artery Disease"

Optimization of in-situ heart reanimation during donation after circulatory death

Agency: Great Plains IDeA CTR
Project Period: 02/01/20 - 02/31/2021
Total Funds: \$50,000

Principal Investigator: Marian Urban
Role: Research Mentor

Mechanisms of HMGB1 Release from Ischemic Muscle in Peripheral Arterial Disease

Agency: NIH/NHLBI, R01HL136556
Project Period: 01/01/2018 - 31/12/2022
Total Funds: \$2,150,185
Principal Investigator: Sachdev (PI)
Role: Co-Investigator

Targeting the Metabolic Basis of Cachexia in Pancreatic Cancer

Agency: NIH/NCI, 1R01CA210439
Project Period: 12/16/16-11/30/21
Total Funds: \$2,941,840
Principal Investigator: Singh (PI)
Role: Co-Investigator

Improving mobility in peripheral artery disease using an ankle foot orthosis

Agency: NIH/NICHHD, 1R01HD090333
Project Period: 09/01/2016 - 09/30/2021
Total Funds: \$2,150,185
Principal Investigator: Myers (PI)
Role: Co-Investigator

Injectable Antioxidative Resilient Composite for Peripheral Arterial Disease Treatment

Agency: LB606, University of Nebraska internal grant mechanism for Stem Cell research
Project Period: 10/01/2019 - 09/30/2020
Total Funds: \$ 72,167,
Principal Investigator: Xiaowei Li (PI)
Role: Co-Investigator

Ramipril treatment of claudication: oxidative damage and muscle fibrosis

Agency: NIH/NIA, 1R01AG049868
Project Period: 08/01/2015 - 03/31/2020
Total Funds: \$4,705,116
Principal Investigator: Pipinos and Casale (Co-PIs)
Role: Co-Principal Investigator

Optimal Stent Selection for the Femoropopliteal Artery.

Agency: NIH/NHLBI, 1 R01HL125736
Project Period: 12/01/14-10/31/19
Total Funds: \$3,567,176
Principal Investigator: Kamenskiy and MacTaggart (Co-PIs)
Role: Co-Investigator

Completed

Foot Biomechanics and Thermoregulation in Diabetes and Peripheral Artery Disease.

Funding Agency: Center for Research in Human Movement Variability
Project Period: 4/2017 – 3/2019
Total Funds: \$196,000
Awardee: Kota Takahashi
Role: Mentor

Foot Biomechanics and Thermoregulation in Diabetes and Peripheral Artery Disease.

Funding Agency: Nebraska System Science Collaboration Initiative
Project Period: 7/2017 – 6/2019
Total Funds: \$150,000
Awardee: Kota Takahashi
Role: co-PI

Harnessing movement variability to treat and prevent motor related disorders

Agency: NIH/NIGMS 1P20GM109090
Project Period: 08/01/15-04/30/19
Total Funds: \$10,748,897
Principal Investigator: Nicholas Stergiou
Role: Research Mentor for Sara Myers PhD on the sub-protocol “Gait variability in patients with peripheral artery disease”. Dates: 8/1/2014 - 5/30/16. The protocol stopped due to Dr. Myers graduating with an R01. Also Research Mentor for mentee Kota Takahashi PhD on the sub-protocol “Foot biomechanics and thermoregulation in peripheral artery disease and diabetes.” Dates: 5/1/2017 to 4/30/2019.

Microvascular Pathology in Peripheral Arterial Disease

Funding Agency: UNMC Graduate Studies Office, Graduate Studies Program of Excellence Fellowship
Award Period: 07/01/17 - 06/30/19
Awardee: Constance Mietus, MD/PhD student
Role: Mentor

Computational tool to assess performance of the aortic trauma stent graft

Funding Agency: NIH/NHLBI, F32 HL124905
Project Period: 06/2015 – 06/2018
Total Funds: \$161,802
Awardee: Anastasia Desyatova, PhD
Role: Mentor

Supervised exercise therapy affects the myopathy and limb function of patients with peripheral artery disease.

Agency: AHA, Post-Doctoral Fellowship, Midwest Affiliate (15POST25520004):
Project Period: 07/01/2015 - 06/30/2017
Total Funds: \$95,680
Principal Investigator: Panagiotis Koutakis
Role: Mentor

Mechanisms of Ischemia-Reperfusion Induced Skeletal Muscle Fibrosis in Peripheral Arterial Disease

Funding Agency: UNMC Graduate Studies Office, Graduate Studies Program of Excellence Fellowship
Award Period: 07/01/14 - 06/30/16

Awardee: Duy Ha, MD/PhD student
Role: Mentor

Safety and Efficacy Study of Autologous Concentrated Bone Marrow Aspirate for Critical Limb Ischemia (MOBILE), Multicenter Trial

Funding Agency: Biomet Biologics
Project Period: 2010 - 2016
Total Funds: \$300,000 for the Nebraska site
Role: Principal Investigator for the Nebraska Site

Technologies for Hemostasis and Stabilization of the Acute Traumatic Wound

Funding Agency: U.S. Army Medical Research Acquisition Act,
Contract #: W81XWH-11-1-0836
Project Period: 2011-2015
Total Funds: \$5,760,000
Principal Investigator: Mark Carlson
Role: Co-Investigator

Mechanisms of Ischemia Induced Skeletal Myofibrosis in Peripheral Artery Disease

Funding Agency: Nebraska University Foundation, Presidential Graduate Fellowship
Award Period: 08/01/14 - 08/01/15
Awardee: Duy Ha, MD/PhD student
Role: Mentor

Mitochondrial dysfunction, oxidative damage and inflammation in claudication

Funding Agency: DHHS/NIH/NIA and NHLBI R01 AG034995
Project Period: 2010 - 2015
Total Funds: \$5,681,233
Role: Principal Investigator

Ixmyelocel-T in an animal model of hindlimb ischemia (REVIVE)

Funding Agency: Aastrom Biosciences
Project Period: 2014 - 2015
Total Funds: \$12,600
Role: Principal Investigator

Quantification and Cellular Localization of Transforming Growth Factor-Beta 1 during Muscle Fibrosis Progression in Peripheral Arterial Disease-Associated Myopathy

Funding Agency: UNMC Graduate Studies Office, Davies Graduate Merit Assistantship
Award Period: 01/01/14 - 06/30/14
Awardee: Duy Ha, MD/PhD student
Role: Mentor

Mechanical and Morphological Analysis of a Novel Electrospun Nanofiber Arterial Substitute in a Swine Model of Atherosclerosis

Funding Agency: Nebraska Research Initiative
Project Period: 7/16/12-7/16/14

Total Funds: \$100,000
Principal Investigator: Jason MacTaggart
Role: Co-Investigator

Microscopic Raman Imaging To Characterize Peripheral Arterial Disease

Funding Agency: Nebraska Research Initiative
Project Period: 7/16/12-7/16/14
Total Funds: \$100,000
Principal Investigator: Jeyamkondan Subbiah
Role: Co-Investigator

Morphometric parameters of gastrocnemius biopsies from patients with PAD correlate with biomechanical parameters

Funding Agency: AHA Pre-Doctoral Fellowship, Midwest Affiliate (13PRE13860010).
Project Period: 12/2012 – 12/2014
Total Funds: \$52,000.
Awardee: Panagiotis Koutakis, PhD student
Role: Mentor

An Efficacy and Safety Study of Ixmyelocel-T in Patients With Critical Limb Ischemia (REVIVE)

Funding Agency: Aastrom Biosciences
Project Period: 2012 - 2014
Total Funds: \$30,000,000
Role: Principal Investigator for the Nebraska Site

Production and Purification of Fibrinogen Components for the Production of a Fibrin Sealant Hemostatic Dressing

Funding Agency: U.S. Army Medical Research Acquisition Act,
Contract #: W81XWH-05-1-0527
Project Period: 2005-2009
Total Funds: \$5,342,918
Principal Investigator: William H. Velander
Role: Co-Investigator

Mitochondriopathy of Chronically Ischemic Muscle

Funding Agency: DHHS/NIH/NHLBI K08 HL079967
Project Period: 2005 - 2011
Total Funds: \$653,400
Role: Principal Investigator

Mitochondriopathy of Chronically Ischemic Muscle

Funding Agency: William J. von Liebig Award, The Lifeline Programs,
American Vascular Association
Project Period: 2005 - 2011
Total Funds: \$375,000

Role: Principal Investigator

Open Versus Endovascular Repair (OVER) Trial for Abdominal Aortic Aneurysms

Funding Agency: VA Cooperative Studies Project # 498 (NCT 000 945 75)
Project Period: 10/15/2002-10/15/2011
Total Study Funding: \$21,982,405.00
Nebraska Site Funding: \$450,159
Role: Principal Investigator for the Nebraska Site

Modeling Assisted Imaging to Optimize Surgical Interventions

Funding Agency: Engineering for Medicine Seed Funding Grant, UNL/UNMC Nebraska Tobacco Settlement
Project Period: 8/1/10-8/31/12
Total Funds: \$100,000
Role: Co-Principal Investigator with Yuris Dzenis

31-P NMR spectroscopy to determine the effects of pharmacologic treatment of intermittent claudication

Funding Agency: Henry Ford Hospital Small Project Funding Committee
Project Periods: 9/96 - 9/98 (\$10,000)
1/97 - 12/97 (\$5,000)
1/99 - 1/2001 (\$10,000)
Role: Principal Investigator

Effect of resuscitation from hemorrhagic shock using banked blood versus diaspirin cross-linked hemoglobin on the susceptibility to delayed infectious challenge

Funding Agency: Henry Ford Hospital Resident Project Funding Committee
Project Period: 1/97-12/97
Funded: \$5,000
Role: Co-investigator

Coagulopathy associated with supraceliac aortic clamping

Funding Agency: WL Gore and Associates, Inc. Research Award Committee
Project Period: 5/99-5/2000
Funded: \$45,000
Role: Co-investigator

Mitochondriopathy of patients with peripheral arterial disease

Funding Agency: Otsuka America Pharmaceutical, Inc
Project Period: 5/2000-5/2001
Funded: \$15,000
Role: Principal Investigator

CURRENT RESEARCH

Pathophysiology of the myopathy of peripheral artery disease (Principal investigator)

Biomechanical analysis of walking impairment in claudication (Co-investigator)

Mechanical and flow properties of the human carotid and superficial femoral arteries (Co-investigator)

Production and Purification of Fibrinogen Components for the Production of a Fibrin Sealant Hemostatic Dressing (Co-Investigator)

Carotid stenting using flow reversal for cerebral protection (Principal investigator)

MULTICENTER TRIAL RESEARCH

2010- 2016 Principal investigator for the Nebraska and Western Iowa VA site for the national trial "Safety and Efficacy Study of Autologous Concentrated Bone Marrow Aspirate for Critical Limb Ischemia, Multicenter Trial, (MOBILE)" Funding Agency: Biomet Biologics

2012- 2014 Principal investigator for the Nebraska and Western Iowa VA site for the national trial "An Efficacy and Safety Study of Ixmyelocel-T in Patients With Critical Limb Ischemia, (REVIVE)", Funding Agency: Aastrom Biosciences

2003- 2011 Principal investigator for the Nebraska and Western Iowa VA site for the national VA cooperative trial O.V.E.R. (Open Versus Endovascular Repair for AAA) VA Cooperative Studies Project # 498 (NCT 000 945 75)

HONORS & AWARDS

Faculty - Academic

-**4th Place Prize**, oral presentation by mentored medical student Kathryn Honz, Midwest Student Biomedical Research Forum XXXV, Omaha, NE
Title of paper presented: Effect of long term ischemia on mouse skeletal muscle mitochondrial function.

-Included in the **2005, 2006, 2007, 2008, 2009 Guide to America's Top Surgeons** prepared by the Consumers' Research Council of America

-Included in the publication **Who's Who in Medicine and Healthcare** 5th Edition, 2004-2005 and 6th Edition 2006-2007

-Included in the publication **Who's Who in the World** 23rd Edition, 2006

-Included in the publication **Who's Who Among Executives and Professionals in Healthcare and Nursing, Honors Edition**", 2006

-Included in the publication **Who's Who In Science and Engineering**, 9th Edition, 2006-2007

-Included in the publication **Who's Who of Emerging Leaders**, 1st Edition, 2007

-**William J. von Liebig Award 2005**, The Lifeline Programs, American Vascular Association and National Heart Lung and Blood Institute Jointly Sponsored Mentored Clinical Scientist Development Award (K08)

-The **2005 Award**, Nebraska Chapter of the American College of Surgeons, Omaha, NE, September 2005. Presentation by mentored general surgery resident, Leon Robinson, MD
Title of paper presented: Claudication Produces Abnormal and Inefficient Gait Patterns Detectable by Advanced Biomechanical Analyses

-The **Allastair Karmody Poster Award**. for the “carotid surgery” category. Presented at the Society for Clinical Vascular Surgery 34th Annual Symposium, March 8-11, 2006, Las Vegas, Nevada. Title of paper presented: Carotid Angioplasty With Internal Carotid Artery Flow Reversal Is Well Tolerated In Patients With At Least One Patent Intracranial Collateral.

-**1st place award** oral presentation by mentored surgery resident Shipra Arya, Residents Competition, Rochester Vascular 2007: What’s New in Vascular Medicine, Surgery, and Interventional Care, Rochester, New York, May 4-6, 2007
Title of paper presented: Endovascular treatment of carotid artery stenosis compared with carotid endarterectomy: evidence from current prospective randomized and non-randomized controlled trials.

-**1st place award** oral presentation by mentored surgery resident Shipra Arya, Residents Competition, Nebraska American College of Surgeons, Omaha, NE, November 15, 2007, Title of paper presented: Endovascular treatment of carotid artery stenosis compared with carotid endarterectomy: evidence from current prospective randomized and non-randomized controlled trials.

-**1st place award** poster presentation by mentored surgery resident Shipra Arya. Poster Competition, Poster presentation at the 33rd Annual Meeting of the Midwestern Vascular Surgical Society, September 10-12, 2009 Chicago, IL.
Title of paper presented: Comparison of Carotid Artery Angioplasty and Stenting and Carotid Endarterectomy: A Systemic Review and Meta-Analysis of 30-day and Long-term Outcomes.

-**2010 Student Research Fellowship award** for sponsored student Howard Powers. From the Lifeline Research & Education Committee of the American Vascular Association. Title of funded project: Inhibition of aneurysm progression and rupture in a mouse model of Marfan syndrome.

- **2010 Outstanding Doctoral Dissertation Award** to mentored PhD student Alexey Kamenskiy. From the College of Engineering, University of Nebraska at Lincoln. Title of dissertation: Coupled Hemodynamics and Mechanics of the Repaired Human Carotid Artery.

- **Travel scholarship** to attend the 2010 Vascular Annual Meeting to mentored resident Dr. Shipra Arya, sponsored by the Society for Vascular Surgery

- The 2010 **Lifeline Student Research Fellowship**, to mentored student Edward Powers, sponsored by the Society for Vascular Surgery to do vascular research during the summer months of 2010.

-**1st place** in the poster competition in the Cerebrovascular Category by mentored surgery

resident Shipra Arya. Poster Competition, Poster presentation at the 2010 Vascular Annual Meeting of the Society for Vascular Surgery, June 9-13, 2010 Boston, MA.
Title of paper presented: Proximal Vertebral Artery Disease: Surgical Reconstruction or Stenting? Arya S, Pipinos II, Waltke EA, Wattenhofer SP, Baxter BT.

-2011 Distinguished Scientist Award, in recognition as a research leader at UNMC with a history of significant funding and national recognition based on scholarly activity, University of Nebraska Medical Center.

-1st place award poster presentation by mentored surgery resident Jonathan Thompson. Poster Competition at the 36th Annual Meeting of the Midwestern Vascular Surgical Society, September 6-8, 2012, Milwaukee, WI.
Title of paper presented: Protein and Mitochondrial Content in the Gastrocnemius Predicts Mortality Rates in Patients with Peripheral Arterial Disease

-2012 Research Innovation Award, University of Nebraska Medical Center.

- Excellence in Research Award for the category of Vascular Surgery by mentored surgery resident Jonathan Thompson. Clinical Congress 2013 of the American College of Surgeons, October 6-10, 2013, Washington, DC

Title of paper presented: "Mortality Rates of Patients with Peripheral Arterial Disease Are Predicted by the Respiratory Activities of Gastrocnemius Mitochondrial Complexes I and IV"

- **SVS Foundation travel scholarship** to mentored surgery resident Jonathan Thompson to attend the Vascular Research Initiatives Conference (April 30, 2014) and the Arteriosclerosis, Thrombosis and Vascular Biology meeting (May 1-3, 2014) in Toronto, Ontario and present his award winning work entitled "Mortality rates of patients with peripheral arterial disease are predicated by the respiratory activities of the gastrocnemius mitochondrial I complexes I and IV" during the Vascular Research Initiatives Conference program.

- **University of Nebraska Medical Center 2014 summer research stipend award** to mentored medical student Rohan Khandalavala to complete a research project entitled: " Effects of Revascularization Operations on the Mitochondrial Function of the Ischemic Gastrocnemius in Patients with Peripheral Arterial Disease Patients ".

-Midwestern Vascular Surgery Society, 2015 Travelling Fellowship to the Department of Medicine, Northwestern University, April 30-May 1, 2015

-The **Charles C. Guthrie Award** of the Midwestern Vascular Society, for the most outstanding Basic Research paper in vascular surgery by mentored graduate student Molly Schieber. Midwestern Vascular 2016, 40th Annual Meeting, September 8-10, 2016, Columbus, Ohio.

Title of paper presented: "Muscular Strength Characteristics at the Ankle Are Altered by Peripheral Artery Disease."

-The **D. Emerick Szilagyi award** of the Midwestern Vascular Society for the most outstanding clinical research paper in vascular surgery by mentored graduate student Molly Schieber. Midwestern Vascular 2017, 41th Annual Meeting, September 7-9, 2017, Chicago, Illinois

Title of paper presented: "Gait is Improved but not Restored in Peripheral Artery Disease Following Revascularization."

-**First Place**, Poster Presentation in the Epidemiology, Public Health, & Clinical Research Category, American Physician Scientist Association Midwestern Regional Meeting by mentored graduate student Constance Mietus.

Title of paper presented: Microvascular Pathology in Peripheral Artery Disease.

Faculty-Educator

-**2006 Best Faculty Role Model Award**, in recognition of commitment to resident and student teaching and mentoring, Department of Surgery, Creighton University Medical Center

-**2008 Outstanding Faculty Award**, in recognition of commitment to resident and student teaching, Department of Surgery, University of Nebraska Medical Center

-**2009 Outstanding Role Model and Teacher Award**, in recognition of commitment to resident and student teaching and mentoring, Department of Surgery, Creighton University Medical Center

-**2017 Outstanding Faculty Mentor of Junior Faculty Award**, University of Nebraska Medical Center

Residency

-**1994- 1999:** Annual award for \geq 90th percentile within level of training on the American Board of Surgery In-Training exam

-**1997-1998:** The 1997-1998 Department of medical education house officer award, for teaching excellence in medical student education

-The **1997 Charles C. Guthrie Award**, Midwestern Vascular Surgical Society, 21st Annual Scientific Meeting, Chicago September 1997.

Title of paper presented: Depressor response to sustained angiotensin II inhibition in chronic renovascular hypertension predicts success of surgical repair

-The **1998 Charles G. Johnson Award**, Detroit Surgical Association, May 14, 1998

Title of paper presented: Depressor response to sustained angiotensin II inhibition in chronic renovascular hypertension predicts success of surgical repair

-The **1999 D. Emerick Szilagyi Award**, Michigan Chapter American College of Surgeons, Harbor Springs, MI, May 6-8, 1999.

Title of paper presented: ³¹P Nuclear Magnetic Resonance Spectroscopy reveals evidence for a primary dysfunction of mitochondria in claudicating muscle.

-The **2000 Charles G. Johnson Award**, Detroit Surgical Association, Detroit , April 2000
Title of paper presented: Pentoxifylline reverses primary oxidative mitochondrial defect in claudication.

-The **2001 Charles G. Johnston Award**, Detroit Surgical Association, Detroit, MI, May 2001
Title of paper presented: Factors affecting outcome in suprarenal abdominal aortic aneurysm repair (Primary investigator: P.V. Anagnostopoulos).

-The **2001 D. Emerick Szilagy Award**, Michigan Chapter of the American College of Surgeons, Dearborn, MI, May 2001
Title of paper presented: Supraceliac aortic cross clamping is associated with consumptive coagulopathy and not primary fibrinolysis (Primary investigator: P.V. Anagnostopoulos).

-**2nd Place Prize**, World Congress of the International Union of Angiology April 7-11, 2002, New York, New York.
Title of paper presented: Duplex ultrasound criteria for defining the severity of carotid stenosis. (Primary investigator: K. Filis).

Medical School

-Salutatorian, Medical School class of 1992.

-Greek government scholarship award 1990, 1991, 1992
(Awarded to the top two students in each medical school class)

-Rethimnis Private Foundation Scholarship
(Awarded for superior performance on the Panhellenic University Entrance Examinations, July 1986)

CONSULTING POSITIONS

2005 - present, Reviewer, Vascular and Endovascular Surgery

2006 - present, Reviewer, Circulation

2006 - present, Reviewer, Journal of Applied Physiology

2006 - present, Reviewer, American Journal of Physiology - Heart and Circulatory Physiology

2007 - present, Reviewer, Journal of Vascular Surgery

2007 - present, Reviewer, Annals of Vascular Surgery

2007 - present, Reviewer, Journal of the American College of Surgeons

2007 - present, Reviewer, Experimental Physiology

2008 - present, Reviewer, American Journal of Physiology - Regulatory, Integrative and Comparative Physiology

2008 - present, Reviewer, European Journal of Pharmacology

2009 - present, Reviewer, Annals of Surgery

2010 - present, Reviewer, Vascular Medicine

2010 - present, Reviewer, Journal of Endovascular Therapy

2010 - present, Reviewer, Muscle and Nerve

2011 - present, Reviewer, Journal of the American College of Cardiology

2014 - present, Reviewer, Science Translational Medicine

- June 2010 Temporary member on the NHLBI Clinical Trials Review Committee (CLTR)
- October 2015 Ad hoc reviewer for the Bioengineering, Technology, and Surgical Sciences (BTSS) study section
- December 2015 Ad hoc reviewer for the Vascular Malformations peer review panel of the 2015 Peer Reviewed Medical Research Program (PRMRP) for the Department of Defense Congressionally Directed Medical Research Programs (CDMRP)
- July 2016 Reviewer for the Precision Medicine Advances using Nationally Crowdsourced Comparative Effectiveness Research (PRANCCER) program of the American Heart Association (AHA) and the Patient-Centered Outcomes Research Institute (PCORI)
- April 2014-2019 Member, NHLBI Mentored Clinical and Basic Science Review Committee
Scientific Review Officer: Keith A. Mintzer, PhD
- October 2019 –present Member, NHLBI Mentored Patient Oriented Research Review Group
Scientific Review Officer: Stephanie Johnson Webb, PhD
- May 2021 -present Member of DSMB for The NIH funded Trial: COCOA flavanols to improve walking performance in PAD: the COCOA-PAD II Trial. Grant Number: 1 R01 AG068458-01A1 PD/PI Name: Mary McGrae McDermott, MD
- August 2021 -present Member, representing the University of Nebraska, on the Vascular Health Impact Network of the national non-profit organization Vascular Cures.

BIBLIOGRAPHY

Dissertation

Pipinos II. Skeletal Muscle Mitochondriopathy in Patients with Peripheral Arterial Disease. PhD thesis, 2004, University of Crete, School of Medicine, Crete, Greece

Completed Publications in Scientific Journals

1. Dossa CD, **Pipinos II**, Shepard AD, Ernst CB: Primary Aortoenteric Fistula: Basic Data. Ann. Vasc. Surg. 8:113-120, 1994.
2. Dossa CD, **Pipinos II**, Shepard AD, Ernst CB: Primary Aortoesophageal Fistula: Basic Data. Ann. Vasc. Surg. 8:207-211, 1994.
3. **Pipinos II**, Reddy DJ: Secondary Aortoesophageal Fistula. J Vasc Surg 1997;26:144-149

4. **Pipinos II**, Dossa CD, Reddy DJ: Superficial temporal artery aneurysms. J Vasc Surg 1998; 27:374-377
5. **Pipinos II**, Reddy DJ: Reply to Letter by Dr. S.A. LeMaire regarding: "Secondary aorto-esophageal fistula". J Vasc Surg 1998; 27:387-8
6. **Pipinos II**, Nypaver TJ, Mohsin SK, Carretero OA and Beierwaltes WH: Response to angiotensin inhibition in rats with sustained renovascular hypertension correlates with response to removing renal artery stenosis. J Vasc Surg 1998; 28:167-77
7. Boska MD, Nelson JA, Sripathi N, **Pipinos II**, Shepard AD, Welch KMA. ³¹P magnetic resonance spectroscopy studies of exercising human muscle at high temporal resolution. Magnetic Resonance in Medicine 1999; 41(6): 1145-51
8. Bhatt M, **Pipinos II**. Hunger and intestinal ischemia. Hospital Physician 1999; 35(9):55
9. **Pipinos II**, Reddy DJ: Secondary Aorto-esophageal Fistulae. Ann Vasc Surg 1999; 13(6):649-652
10. Gasparri MG, **Pipinos II**, Bleza DA. Spontaneous internal drainage of a pancreatic pseudocyst. J Am Coll Surg. 1999 Dec;189(6):625.
11. Gasparri MG, **Pipinos II**, Bleza DA, Shepard AD. Pylephlebitis secondary to intestinal ischemia. J Am Coll Surg 2000 Feb;190(2):265.
12. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Katsamouris A, Boska MD. Phosphorus 31 nuclear magnetic resonance spectroscopy suggests a mitochondrial defect in claudicating skeletal muscle. J Vasc Surg. 2000 May;31(5):944-52.
13. Gasparri MG, **Pipinos II**, Kralovich KA, Margolin DA. Retrograde jejuno-gastric intussusception South Med J. 2000 May;93(5):499-500.
14. Anagnostopoulos PV, **Pipinos II**, Rose WW, Elkus R. Lymphoepithelial cyst in the pancreas: A case report and review of the literature. Dig Surg. 2000;17(3):309-314.
15. **Pipinos II**, Carr JA, Haithcock BE, Anagnostopoulos PV, Dossa CD, Reddy DJ: Secondary Aortoenteric Fistula. Ann Vasc Surg. 2000 Nov;14(6):688-96.
16. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Katsamouris A, Boska MD. Reply to a letter regarding: ³¹P Nuclear Magnetic Resonance Spectroscopy reveals evidence for a primary dysfunction of mitochondria in claudicating muscle. J Vasc Surg. 2001 May;33(5):1133-4.
17. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Raman SB, Chadry PA, Mishima T, Morita H, Suzuki G. Analysis of coagulation changes associated with supraceliac aortic cross clamping using thromboelastography. J Surg Res. 2001 Jun 1; 98(1): 52-8.
18. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Raman SB, Chaudhry PA, Mishima T, Morita H, Suzuki G. Hemostatic alterations associated with supraceliac aortic cross-clamping.

J Vasc Surg. 2002 Jan;35(1):100-8.

19. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Nypaver TJ, Cho JS, Reddy DJ. Factors affecting outcome in suprarenal abdominal aortic aneurysm repair. *Ann Vasc Surg.* 2001 Sep;15(5):511-9.

20. **Pipinos II**, Boska MD, Shepard, AD, Anagnostopoulos, PV, and Katsamouris A. Pentoxifylline Reverses Oxidative Mitochondrial Defect in Claudicating Skeletal Muscle. *J Surg Res* 2002,102: 126–132

21. Filis K, Arko FR, Johnson BL, **Pipinos II**, Harris EJ, Olcott C, Harris EJ, Zarins CK. Duplex ultrasound criteria for defining the severity of carotid stenosis. *Ann Vasc Surg.* 2002 Jul;16(4):413-21

22. Lynch TG, **Pipinos II**, Boska MD. Editorial regarding "Can carotid endarterectomy improve metabolic status in patients with asymptomatic internal carotid artery flow lesion? Studies with localized in vivo proton magnetic resonance spectroscopy". *J Vasc Surg.* 2002 Sep;36(3):646-8

23. Guerrero A, Gibson K, Kralovich KA, **Pipinos I**, Anagnostopoulos P, Carter Y, Bulger E, Meissner M, Karmy-Jones R. Limb loss following lower extremity arterial trauma: what can be done proactively? *Injury.* 2002 Nov;33(9):765-9.

24. **Pipinos II**, Sharov VG, Shepard AD, Anagnostopoulos PV, Katsamouris A, Todor A, Filis KA, Sabbah HN. Abnormal mitochondrial respiration in skeletal muscle in patients with peripheral arterial disease. *J Vasc Surg.* 2003 Oct;38(4):827-32.

25. Ganti AK, **Pipinos I**, Culcea E, Armitage JO, Tarantolo S. Successful hematopoietic stem-cell transplantation in multicentric Castleman disease complicated by POEMS syndrome. *Am J Hematol.* 2005 Jun 24;79(3):206-210

26. **Pipinos II**, Johanning JM, Pham CN, Soundararajan K, Lynch TG. Transcervical approach with protective flow reversal for carotid angioplasty and stenting. *J Endovasc Ther.* 2005 Jul-Aug;12(4):446-53.

27. Sandhu RS, **Pipinos II**. Isolated iliac artery aneurysms. *Semin Vasc Surg.* 2005 Dec;18(4):209-15.

28. MacTaggart JN, **Pipinos II**, Johanning JM, Lynch TG. Acrylic cement pulmonary embolus masquerading as an embolized central venous catheter fragment. *J Vasc Surg.* 2006 Jan; 43(1):180-3.

29. **Pipinos II**. Book review on "Assessing and Modifying the Vulnerable Atherosclerotic Plaque, Editor: Valentin Fuster, M.D. with Assistance from William Insull, Jr., M.D., Blackwell Publishers; 1st edition (June 15, 2002). *Vascular and Endovascular Surgery*, May/June 2006;. 40(3): 255

30. **Pipinos II**, Hopp R, Edwards WD, Radio SJ. Giant-cell temporal arteritis in a 17-year-old male. *J Vasc Surg.* 2006 May;43(5):1053-5.

31. **Pipinos II**, Judge AR, Zhu Z, Selsby JT, Swanson SA, Johanning JM, Baxter BT, Lynch TG, Dodd SL. Mitochondrial defects and oxidative damage in patients with peripheral arterial disease. *Free Radic Biol Med.* 2006 Jul 15;41(2):262-9.

32. **Pipinos II**, Bruzoni M, Johanning JM, Longo GM, Lynch TG. Transcervical carotid stenting with flow reversal for neuroprotection: technique, results, advantages, and limitations.

Vascular. 2006 Sep-Oct;14(5):245-55.

33. Baxter BT, **Pipinos I**. Neutrophil depletion inhibits experimental abdominal aortic aneurysm formation. *Perspect Vasc Surg Endovasc Ther*. 2006 Sep;18(3):273-4

34. Garg N, **Pipinos II**, Longo GM, Thorell WE, Lynch TG, Johanning JM. Detachable coils for repair of extraparenchymal renal artery aneurysms: an alternative to surgical therapy. *Ann Vasc Surg*. 2007 Jan;21(1):97-110.

35. Baxter BT, Mahoney C, Johnson PJ, Selmer KM, **Pipinos II**, Rose J, Neff JR. Concomitant arterial and venous reconstruction with resection of lower extremity sarcomas. *Ann Vasc Surg*. 2007 May-Jun;21(3):272-9.

36. Lynch TG, **Pipinos II**. Editorial regarding "Aspirin resistance among long-term aspirin users after carotid endarterectomy and controls: Flow cytometric measurement of aspirin-induced platelet inhibition" *J Vasc Surg*. 2007 Jun;45(6):1147

37. Trigilio-Black CM, Ringley CD, McBride CL, Sorensen VJ, Thompson JS, Longo GM, **Pipinos II**, Johanning JM. Inferior vena cava filter placement for pulmonary embolism risk reduction in super morbidly obese undergoing bariatric surgery. *Surg Obes Relat Dis*. 2007 Jul-Aug;3(4):461-4.

38. Scott-Pandorf MM, Stergiou N, Johanning JM, Robinson L, Lynch TG, **Pipinos II**. Peripheral Arterial Disease Affects Ground Reaction Forces during Walking. *J Vasc Surg*. 2007 Sep;46(3):491-9.

39. Makris KI, Nella AA, Zhu Z, Swanson SA, Casale GP, Yannam T, Judge AR, **Pipinos II**. The mitochondriopathy of Peripheral Arterial Disease. *Vascular*. 2007; 15(6): 336–343.

40. Myers SA, Johanning JM, Stergiou N, Lynch TG, Longo GM, **Pipinos II**. Claudication Distances and the Walking Impairment Questionnaire best describe the Ambulatory Limitations in Patients with Symptomatic Peripheral Arterial Disease. *J Vasc Surg*. 2008 Mar;47(3):550-555.

41. **Pipinos II**, Judge AR, Selsby JT, Zhen Zhu, Swanson SA, Nella AA, Dodd SL. The Myopathy of Peripheral Arterial Occlusive Disease: Part 1. Functional and Histomorphological Changes and Evidence for Mitochondrial Dysfunction. *Vasc Endovascular Surg*. 2008 Jan;41(6):481-489.

42. **Pipinos II**, Judge AR, Selsby JT, Zhu Z, Swanson SA, Nella AA, Dodd SL. The myopathy of peripheral arterial occlusive disease: Part 2. Oxidative Stress, Neuropathy, and Shift in Muscle Fiber Type. *Vasc Endovascular Surg*. 2008 Apr-May;42(2):101-12.

43. **Pipinos II**, Swanson SA, Zhu Z, Nella AA, Weiss DJ, Gutti TL, McComb RD, Baxter BT, Lynch TG, and Casale GP. Chronically ischemic mouse skeletal muscle exhibits myopathy in association with mitochondrial dysfunction and oxidative damage. *Am J Physiol Regul Integr Comp Physiol*. 2008 Jul;295(1):R290-6.

44. Chen SJ, **Pipinos II**, Johanning JM, Radovic M, Huisinga JM, Myers SA, Stergiou N. Bilateral intermittent claudication results in alterations in the gait biomechanics at the hip and ankle joints during gait. *J Biomech*. 2008;41(11):2506-14.

45. **Pipinos II**, Pisimisis GT, Burjonrappa SC, Johanning JM, Longo GM, and Lynch TG. One Patent Intracranial Collateral Predicts Tolerance of Flow Reversal during Carotid Angioplasty and Stenting. *Ann Vasc Surg*. 2009 Jan-Feb;23(1):32-8.
46. Weiss DJ, **Pipinos II**, Longo GM, Lynch TG, Rutar FJ, Johanning JM. Direct and indirect measurement of patient radiation exposure during endovascular aortic aneurysm repair. *Ann Vasc Surg*. 2008 Nov;22(6):723-9.
47. Celis R, **Pipinos II**, Scott-Pandorf MM, Myers SA, Stergiou N, Johanning JM. Peripheral arterial disease affects kinematics during walking. *J Vasc Surg*. 2009 Jan;49(1):127-32.
48. Myers SA, Johanning JM, Stergiou N, Celis RI, Robinson L, **Pipinos II**. Gait variability is altered in patients with peripheral arterial disease. *J Vasc Surg*. 2009 Apr;49(4):924-931.
49. **Pipinos II**, Myers SA, Johanning JM, Stergiou N. Author reply to the letter: Regarding "Gait variability is altered in patients with peripheral arterial disease" by Crowther RG, Spinks WL, Leicht AS, Golledge J. *J Vasc Surg*. 2009 Oct;50(4):976-7.
50. Gordon JR, Wahls T, Carlos RC, **Pipinos II**, Rosenthal GE, Cram P. Failure to recognize newly identified aortic dilations in a health care system with an advanced electronic medical record. *Ann Intern Med*. 2009 Jul 7;151(1):21-7, W5.
51. Kasotakis G, **Pipinos II**, Lynch TG. Aspirin resistance: Current evidence and clinical implications. *J Vasc Surg*. 2009 Dec;50(6):1500-10.
52. Garg N, Karagiorgos N, Pisimisis GT, Sohal DP, Longo GM, Johanning JM, Lynch TG, **Pipinos II**. Cerebral protection devices reduce periprocedural strokes during carotid angioplasty and stenting: a systematic review of the current literature. *J Endovasc Ther*. 2009 Aug;16(4):412-27.
53. Lederle FA, Freischlag JA, Kyriakides TC, Padberg FT Jr, Matsumura JS, Kohler TR, Lin PH, Jean-Claude JM, Cikrit DF, Swanson KM, Peduzzi PN; Open Versus Endovascular Repair (OVER) Veterans Affairs Cooperative Study Group. Outcomes following endovascular vs. open repair of abdominal aortic aneurysm: a randomized trial. *JAMA*. 2009 Oct 14;302(14):1535-42.
54. Kamenskiy AV, **Pipinos II**, Desyatova AS, Salkovskiy YE, Kossovich LY, Kirillova IV, Polyaev VO, Bockeria LA, Morozov KM, Lynch TG, Dzenis YA. Finite Element Model of the Patched Human Carotid. *Vasc Endovascular Surg*. 2009 Dec;43(6):533-41
55. Koutakis P, **Pipinos II**, Myers SA, Stergiou N, Lynch TG, Johanning JM. Joint torques and powers are reduced during ambulation for both limbs in patients with unilateral claudication. *J Vasc Surg*. 2010 Jan;51(1):80-8.
56. Pisimisis GT, Kantor B, Kalra M, **Pipinos II**. Thrombus of the internal carotid artery: the contribution of computed tomographic angiography to clinical management. *Vasc Endovascular Surg*. 2010 May;44(4):302-4.
57. Huisinga JM, **Pipinos II**, Johanning JM, Stergiou N. The effect of pharmacological treatment on gait biomechanics in peripheral arterial disease patients. *J Neuroeng Rehabil*. 2010 Jun 7;7(1):25.

58. Koutakis P, Johanning JM, Myers SA, Stergiou N, Longo GM, **Pipinos II**. Abnormal joint powers before and after the onset of claudication symptoms. *J Vasc Surg*. 2010 Aug;52(2):340-7.
59. Gupta PK, Horan SM, Turaga KK, Miller WJ, **Pipinos II**. Chronic mesenteric ischemia: endovascular versus open revascularization. *J Endovasc Ther*. 2010 Aug;17(4):540-9.
60. Longo GL, **Pipinos II**. Endovascular techniques for arch vessel reconstruction, *J Vasc Surg*. 2010 Oct;52(4 Suppl):77S-81S. Epub 2010 Aug 17.
61. Myers SA, Stergiou N, **Pipinos II**, Johanning JM. Gait variability patterns are altered in healthy young individuals during the acute reperfusion phase of ischemia-reperfusion. *J Surg Res*. 2010 Nov;164(1):6-12. Epub 2010 May 18.
62. Huisinga JM, **Pipinos II**, Stergiou N, Johanning JM. Treatment with pharmacological agents in peripheral arterial disease patients does not result in biomechanical gait changes. *J Appl Biomech*. 2010 Aug;26(3):341-8.
63. Tran TP, Tu H, **Pipinos II**, Muelleman RL, Albadawi H, Li YL. Tourniquet-induced acute ischemia-reperfusion injury in mouse skeletal muscles: Involvement of superoxide. *Eur J Pharmacol*. 2011 Jan 10;650(1):328-34. Epub 2010 Oct 29.
64. Gupta PK, **Pipinos II**, Miller WJ, Gupta H, Shetty S, Johanning JM, Longo GM, Lynch TG. A Population-Based Study of Risk Factors for Stroke after Carotid Endarterectomy Using the ACS NSQIP Database. *J Surg Res*. 2011 May 15; 167(2):182-91. Epub 2010 Nov 11.
65. Pankajakshan D, Jia G, **Pipinos I**, Tyndall SH, Agrawal DK. Neuropeptide Y receptors in carotid plaques of symptomatic and asymptomatic patients: Effect of inflammatory cytokines. *Exp Mol Pathol*. 2011 Feb 23;90(3):280-286.
66. Myers SA, **Pipinos II**, Johanning JM, Stergiou N. Gait variability of patients with intermittent claudication is similar before and after the onset of claudication pain. *Clin Biomech (Bristol, Avon)*. 2011 Aug;26(7):729-34. Epub 2011 Mar 29.
67. Pankajakshan D, Makinde TO, Gaurav R, Del Core M, Hatzoudis G, **Pipinos I**, Agrawal DK. Successful Transfection of Genes Using AAV-2/9 Vector in Swine Coronary and Peripheral Arteries. *J Surg Res*. 2012 Jun 1;175(1):169-75.
68. Kamenskiy AV, Dzenis YA, Mactaggart JN, Desyatova AS, **Pipinos II**. In vivo three-dimensional blood velocity profile shapes in the human common, internal, and external carotid arteries. *J Vasc Surg*. 2011 Oct;54(4):1011-20. Epub 2011 May 28.
69. Arya S, **Pipinos II**, Garg N, Johanning J, Lynch TG, Longo GM. Carotid Endarterectomy is Superior to Carotid Angioplasty and Stenting for Perioperative and Long-Term Results. *Vasc Endovascular Surg*. 2011 Aug;45(6):490-8. Epub 2011 Jun 5.
70. Gupta PK, Gupta H, Sundaram A, Kaushik M, Fang X, Miller WJ, Esterbrooks DJ, Hunter CB, **Pipinos II**, Johanning JM, Lynch TG, Forse RA, Mohiuddin SM, Mooss AN. Development and validation of a risk

calculator for prediction of cardiac risk after surgery. *Circulation*. 2011 Jul 26;124(4):381-7. Epub 2011 Jul 5.

71. Tu H, Liu J, Zhu Z, Zhang LB, **Pipinos II**, Li YL. Mitochondria-derived superoxide and voltage-gated sodium channels in baroreceptor neurons from chronic heart failure rats. *J Neurophysiology*. Epub 2011 Nov 9.

72. Kamenskiy AV, Dzenis YA, Mactaggart JN, Lynch TG, Jaffar Kazmi SA, **Pipinos II**. Nonlinear Mechanical Behavior of The Human Common, External, and Internal Carotid Arteries In Vivo. *J Surg Res*. 2011 Oct 24. Epub 2011 Oct 24.

73. Kamenskiy AV, **Pipinos II**, Mactaggart JN, Jaffar Kazmi SA, Dzenis YA. Comparative analysis of the biaxial mechanical behavior of carotid wall tissue and biological and synthetic materials used for carotid patch angioplasty. *J Biomech Eng*. 2011 Nov;133(11):111008.

74. Gupta PK, Mactaggart JN, Natarajan B, Lynch TG, Arya S, Gupta H, Fang X, **Pipinos II**. Predictive factors for mortality after open repair of paravisceral abdominal aortic aneurysm. *J Vasc Surg*. 2012 Mar;55(3):666-73. Epub 2011 Dec 30.

75. Wurdeman SR, Myers SA, Johanning JM, **Pipinos II**, Stergiou N. External work is deficient in both limbs of patients with unilateral PAD. *Med Eng Phys*. 2012 Dec;34(10):1421-6.

77. Gupta PK, Ramanan B, Lynch TG, Gupta H, Fang X, Balters M, Johanning JM, Longo GM, Mactaggart JN, **Pipinos II**. Endovascular Repair of Abdominal Aortic Aneurysm does not Improve Early Survival versus Open Repair in Patients Younger than 60 Years. *Eur J Vasc Endovasc Surg*. 2012 Feb 29. [Epub ahead of print]

78. Gupta PK, Ramanan B, Lynch TG, Sundaram A, MacTaggart JN, Gupta H, Fang X, **Pipinos II**. Development and validation of a risk calculator for prediction of mortality after infrainguinal bypass surgery. *J Vasc Surg*. 2012 Aug;56(2):372-9. Epub 2012 May 24.

79. Wurdeman SR, Koutakis P, Myers SA, Johanning JM, **Pipinos II**, Stergiou N. Patients with peripheral arterial disease exhibit reduced joint powers compared to velocity-matched controls. *Gait Posture*. 2012 Jul;36(3):506-9. Epub 2012 Jun 5.

80. Yentes JM, Huisinga JM, Myers SA, **Pipinos II**, Johanning JM, Stergiou N. Pharmacological treatment of intermittent claudication does not have a significant effect on gait impairments during claudication pain. *J Appl Biomech*. 2012 May;28(2):184-91.

81. Haack KK, Engler CW, Papoutsi E, **Pipinos II**, Patel KP, Zucker IH. Parallel changes in neuronal AT1R and GRK5 expression following exercise training in heart failure. *Hypertension*. 2012 Aug;60(2):354-61. Epub 2012 Jul 2.

82. Kamenskiy AV, MacTaggart JN, **Pipinos II**, Bikhchandani J, Dzenis YA. Three-dimensional geometry of the human carotid artery. *J Biomech Eng*. 2012 Jun;134(6):064502.

83. Amirlak B, Amirlak I, Awad Z, Zahmatkesh M, **Pipinos I**, Forse A. Pneumothorax following feeding tube placement: precaution and treatment. *Acta Med Iran*. 2012;50(5):355-8.

84. Kamenskiy AV, Mactaggart JN, **Pipinos II**, Gupta PK, Dzenis YA. Hemodynamically Motivated Choice of Patch Angioplasty for the Performance of Carotid Endarterectomy. *Ann Biomed Eng.* 2013; 41(2):263-278.
85. McGrath D, Judkins TN, **Pipinos II**, Johanning JM, Myers SA. Peripheral arterial disease affects the frequency response of ground reaction forces during walking. *Clin Biomech (Bristol, Avon).* 2012 Dec;27(10):1058-63
86. Myers SA, Johanning JM, **Pipinos II**, Schmid KK, Stergiou N. Vascular Occlusion Affects Gait Variability Patterns of Healthy Younger and Older Individuals. *Ann Biomed Eng.* 2013 Aug;41(8):1692-702.
87. Lederle FA, Stroupe KT; Open Versus Endovascular Repair (OVER) Veterans Affairs Cooperative Study Group. Cost-effectiveness at two years in the VA Open Versus Endovascular Repair Trial. *Eur J Vasc Endovasc Surg.* 2012 Dec;44(6):543-8. doi: 10.1016/j.ejvs.2012.10.002. Epub 2012 Oct 30.
88. Gupta PK, Ramanan B, Mactaggart JN, Sundaram A, Fang X, Gupta H, Johanning JM, **Pipinos II**. Risk index for predicting perioperative stroke, myocardial infarction, or death risk in asymptomatic patients undergoing carotid endarterectomy. *J Vasc Surg.* 2013 Feb;57(2):318-26.
89. Lederle FA, Freischlag JA, Kyriakides TC, Matsumura JS, Padberg FT Jr, Kohler TR, Kougiias P, Jean-Claude JM, Cikrit DF, Swanson KM; OVER Veterans Affairs Cooperative Study Group. Long-term comparison of endovascular and open repair of abdominal aortic aneurysm. *N Engl J Med.* 2012 Nov 22;367(21):1988-97.
90. Ramanan B, Gupta PK, Sundaram A, Lynch TG, Mactaggart JN, Baxter BT, Johanning JM, **Pipinos II**. In-hospital and postdischarge venous thromboembolism after vascular surgery. *J Vasc Surg.* 2013 Jun;57(6):1589-96
91. Gupta PK, Sundaram A, Mactaggart JN, Johanning JM, Gupta H, Fang X, Forse RA, Balters M, Longo GM, Sugimoto JT, Lynch TG, **Pipinos II**. Preoperative Anemia Is an Independent Predictor of Postoperative Mortality and Adverse Cardiac Events in Elderly Patients Undergoing Elective Vascular Operations. *Ann Surg.* 2013 Dec;258(6):1096-102. [Epub ahead of print]
92. Ramanan B, Gupta PK, Sundaram A, Gupta H, Johanning JM, Lynch TG, Mactaggart JN, **Pipinos II**. Development of a risk index for prediction of mortality after open aortic aneurysm repair. *J Vasc Surg.* 2013 Oct;58(4):871-8.
93. Roudier E, Milkiewicz M, Birot O, Slopock D, Montelius A, Gustafsson T, Paik JH, Depinho RA, Casale GP, **Pipinos II**, Haas TL. Endothelial FoxO1 is an intrinsic regulator of thrombospondin 1 expression that restrains angiogenesis in ischemic muscle. *Angiogenesis.* 2013 Oct;16(4):759-72
94. Kamenskiy AV, **Pipinos II**, Dzenis YA, Bikhchandani J, Gupta PK, Phillips N, Kazmi SA, MacTaggart JN. Effects of carotid artery stenting on arterial geometry. *J Am Coll Surg.* 2013 Aug;217(2):251-62.
95. Cluff K, Miserlis D, Naganathan GK, **Pipinos II**, Koutakis P, Samal A, McComb RD, Subbiah J, Casale GP. Morphometric analysis of gastrocnemius muscle biopsies from patients with peripheral arterial

disease: objective grading of muscle degeneration. *Am J Physiol Regul Integr Comp Physiol.* 2013 Aug 1;305(3):R291-9.

96. Thompson JR, Swanson SA, Casale GP, Johanning JM, Papoutsi E, Koutakis P, Miserlis D, Zhu Z, **Pipinos II**. Gastrocnemius mitochondrial respiration: are there any differences between men and women? *J Surg Res.* 2013 Nov;185(1):206-11.

97. Kamenskiy AV, **Pipinos II**, Dzenis YA, Gupta PK, Jaffar Kazmi SA, Mactaggart JN. A mathematical evaluation of hemodynamic parameters after carotid eversion and conventional patch angioplasty. *Am J Physiol Heart Circ Physiol.* 2013 Sep;305(5):H716-24

98. Kim JK, Zhu Z, Casale G, Koutakis P, McComb RD, Swanson S, Thompson J, Miserlis D, Johanning JM, Haynatzki G, **Pipinos II**. Human enterovirus in the gastrocnemius of patients with peripheral arterial disease. *J Am Heart Assoc.* 2013 Aug 6;2(4):e000082. doi: 10.1161/JAHA.113.000082.

99. Weiss DJ, Casale GP, Koutakis P, Nella AA, Swanson SA, Zhu Z, Miserlis D, Johanning JM, **Pipinos II**. Oxidative damage and myofiber degeneration in the gastrocnemius of patients with peripheral arterial disease. *J Transl Med.* 2013 Sep 25;11(1):230.

100. Carlson MA, Calcaterra J, Johanning JM, **Pipinos II**, Cordes CM, Velandar WH. A totally recombinant human fibrin Sealant. *J Surg Res.* 2014 Mar;187(1):334-42

101. Kamenskiy AV, **Pipinos II**, Dzenis YA, Lomneth CS, Jaffar Kazmi SA, Phillips NY, Mactaggart JN. Passive Biaxial Mechanical Properties and InVivo Axial Pre-Stretch of the Diseased Human Femoropopliteal and Tibial Arteries. *Acta Biomater.* 2014 Mar;10(3):1301-13.

102. Nishikawa T, Bellance N, Damm A, Bing H, Zhu Z, Handa K, Yovchev MI, Sehgal V, Moss TJ, Oertel M, Ram P, **Pipinos II**, Soto-Gutierrez A, Fox IJ, Nagrah D. A switch in the source of ATP production and a loss in capacity to perform glycolysis are hallmarks of hepatocyte failure in advance liver disease. *J Hepatol.* 2014 Jun;60(6):1203-11. PMID: 24583248

103. Thompson JR, Swanson SA, Haynatzki G, Koutakis P, Johanning JM, Reppert PR, Papoutsi E, Miserlis D, Zhu Z, Casale GP, **Pipinos II**. Protein Concentration and Mitochondrial Content in the Gastrocnemius Predicts Mortality Rates in Patients With Peripheral Arterial Disease. *Ann Surg.* 2014 Mar 25. [Epub ahead of print]. PMID: 24670845

104. Kamenskiy AV, Dzenis YA, Kazmi SA, Pemberton MA, **Pipinos II**, Phillips NY, Herber K, Woodford T, Bowen RE, Lomneth CS, Mactaggart JN. Biaxial mechanical properties of the human thoracic and abdominal aorta, common carotid, subclavian, renal and common iliac arteries. *Biomech Model Mechanobiol.* 2014 Nov;13(6):1341-59. PMID: 24710603

105. McTaggart JN, Phillips NY, Lomneth CS, **Pipinos II**, Bowen R, Timothy Baxter B, Johanning J, Matthew Longo G, Desyatova AS, Moulton MJ, Dzenis YA, Kamenskiy AV. Three-dimensional bending, torsion and axial compression of the femoropopliteal artery during limb flexion. *J Biomech.* 2014 Jul 18;47(10):2249-56. PMID: 24856888

106. Koutakis P, Weiss DJ, Miserlis D, Shostrom VK, Papoutsi E, Ha DM, Carpenter LA, McComb RD, Casale GP, **Pipinos II**. Oxidative damage in the gastrocnemius of patients with peripheral artery disease is myofiber type selective. *Redox Biol.* 2014 Jul 19;2:921-8. PMID: 25180168.
107. Shukla SK, Gebregiworgis T, Purohit V, Chaika NV, Gunda V, Radhakrishnan P, Mehla K, **Pipinos II**, Powers R, Yu F, Singh PK. Metabolic reprogramming induced by ketone bodies diminishes pancreatic cancer cachexia. *Cancer Metab.* 2014 Sep 1;2:18. PMID: 25228990
-Correction: *Cancer Metab.* 2014 Sep 29;2:22. eCollection 2014. PMID: 25276351
108. Matsumura JS, Stroupe KT, Lederle FA, Kyriakides TC, Ge L, Freischlag JA; for the Open Versus Endovascular Repair (OVER) Veterans Affairs Cooperative Study Group; for the Open Versus Endovascular Repair OVER Veterans Affairs Cooperative Study Group. Costs of repair of abdominal aortic aneurysm with different devices in a multicenter randomized trial. *J Vasc Surg.* 2014 Sep 16. pii: S0741-5214(14)01506-7. PMID: 25238728
109. Cluff K, Kelly AM, Koutakis P, He XN, Huang X, Lu YF, **Pipinos II**, Casale GP, Subbiah J. Surface-enhanced Raman spectral biomarkers correlate with Ankle Brachial Index and characterize leg muscle biochemical composition of patients with peripheral arterial disease. *Physiol Rep.* 2014 Sep 17;2(9). PMID: 25247767
110. Yanala UR, Johanning JM, **Pipinos II**, Larsen G, Velander WH, Carlson MA. Development of a fatal noncompressible truncal hemorrhage model with combined hepatic and portal venous injury in normothermic normovolemic Swine. *PLoS One.* 2014 Sep 24;9(9):e108293. PMID: 25251401
111. Kamenskiy AV, **Pipinos II**, Dzenis YA, Phillips NY, Desyatova AS, Kitson J, Bowen R, MacTaggart JN. Effects of age on the physiological and mechanical characteristics of human femoropopliteal arteries. *Acta Biomater.* 2015 Jan;11:304-13. PMID: 25301303
112. Kamenskiy AV, **Pipinos II**, Carson JS, MacTaggart JN, Baxter BT. Age and disease-related geometric and structural remodeling of the carotid artery. *J Vasc Surg.* 2014 Dec 9. pii: S0741-5214(14)01969-7. PMID: 25499709
113. Melin AA, Schmid KK, Lynch TG, **Pipinos II**, Kappes S, Longo GM, Gupta PK, Johanning JM. Preoperative frailty Risk Analysis Index to stratify patients undergoing carotid endarterectomy. *J Vasc Surg.* 2015 Mar;61(3):683-9. PMID: 25499711
114. Koutakis P, Miserlis D, Myers SA, Kim JK, Zhu Z, Papoutsi E, Swanson SA, Haynatzki G, Ha DM, Carpenter LA, McComb RD, Johanning JM, Casale GP, **Pipinos II**. Abnormal Accumulation of Desmin in Gastrocnemius Myofibers of Patients with Peripheral Artery Disease: Associations with Altered Myofiber Morphology and Density, Mitochondrial Dysfunction and Impaired Limb Function. *J Histochem Cytochem.* *J Surg Res.* 2015 Jun 1;196(1):172-9. PMID: 25575565
115. Koutakis P, Myers SA, Cluff K, Ha DM, Haynatzki G, McComb RD, Uchida K, Miserlis D, Papoutsi E, Johanning JM, Casale GP, **Pipinos II**. Abnormal myofiber morphology and limb dysfunction in claudication. *J Surg Res.* 2015 Jun 1;196(1):172-9. PMID: 25791828
116. Polhemus DJ, Bradley JM, Islam KN, Brewster LP, Calvert JW, Tao Y, Chang CC, **Pipinos II**, Goodchild TT, Lefer DJ. Therapeutic Potential of Sustained Release Sodium Nitrite for Critical Limb Ischemia in the

Setting of Metabolic Syndrome. *Am J Physiol Heart Circ Physiol*. 2015 Jul 1;309(1):H82-92, PMID: 25910804

117. Kamenskiy A, Miserlis D, Adamson P, Adamson M, Knowles T, Neme J, Koutakis P, Phillips N, **Pipinos I**, MacTaggart J. Patient demographics and cardiovascular risk factors differentially influence geometric remodeling of the aorta compared with the peripheral arteries. *Surgery*. 2015 Dec;158(6):1617-27. PMID: 26096560

118. Huang X, Irmak S, Lu YF, **Pipinos I**, Casale G, Subbiah J. Spontaneous and coherent anti-Stokes Raman spectroscopy of human gastrocnemius muscle biopsies in CH-stretching region for discrimination of peripheral artery disease. *Biomed Opt Express*. 2015 Jul 7;6(8):2766-77. PMID: 2630974

119. Rand TJ, Wurdeman SR, Johanning JM, **Pipinos II**, Myers SA. Increased minimum toe clearance variability in patients with peripheral arterial disease. *Med Eng Phys*. 2015 Dec;37(12):1141-5. PMID: 26603506

120. Myers SA, Huben NB, Yentes JM, McCamley JD, Lyden ER, **Pipinos II**, Johanning JM. Spatiotemporal Changes Posttreatment in Peripheral Arterial Disease. *Rehabil Res Pract*. 2015;2015:124023. PMID: 26770826

121. Ha DM, Carpenter LC, Koutakis P, Swanson SA, Zhu Z, Hanna M, DeSpiegelaere HK, **Pipinos II**, Casale GP. Transforming growth factor-beta 1 produced by vascular smooth muscle cells predicts fibrosis in the gastrocnemius of patients with peripheral artery disease. *J Transl Med*. 2016 Feb 4;14:39. doi: 10.1186/s12967-016-0790-3. PMID: 26847457

122. Gupta PK, Ramanan B, Grossman L, Gupta H, Fang X, MacTaggart JN, Lynch TG, Baxter BT, **Pipinos II**. Outcomes of Aortic Surgery for Abdominal Aortic Graft Infections. *Vasc Endovascular Surg*. 2016 May;50(4):256-60. doi: 10.1177/1538574416637443. Epub 2016 Apr 21. PMID: 27102873

123. Myers SA, Applequist BC, Huisinga JM, **Pipinos II**, Johanning JM. Gait kinematics and kinetics are affected more by peripheral arterial disease than by age. *J Rehabil Res Dev*. 2016;53(2):229-38. doi: 10.1682/JRRD.2015.02.0027. PMID: 27149635

124. Zhang D, Wang D, **Pipinos II**, Muelleman RL, Li YL. Dexamethasone promotes long-term functional recovery of neuromuscular junction in a murine model of tourniquet-induced ischaemia-reperfusion. *Acta Physiol (Oxf)*. 2017 Feb;219(2):453-464 doi: 10.1111/apha.12737. [Epub ahead of print] PMID: 27306588

125. Long CA, Timmins LH, Koutakis P, Goodchild TT, Lefer DJ, **Pipinos II**, Casale GP, Brewster LP. An endovascular model of ischemic myopathy from peripheral arterial disease. *J Vasc Surg*. 2016 Sep 29. PMID: 27693032

126. Powell JT, Sweeting MJ, Ulug P, Blankensteijn JD, Lederle FA, Becquemin JP, Greenhalgh RM; EVAR-1, DREAM, OVER and ACE Trialists. Meta-analysis of individual-patient data from EVAR-1, DREAM, OVER and ACE trials comparing outcomes of endovascular or open repair for abdominal aortic aneurysm over 5 years. *Br J Surg*. 2017 Feb;104(3):166-178. doi: 10.1002/bjs.10430. Review. PMID: 28160528

127. Xu J, Cui X, Li J, Koutakis P, **Pipinos I**, Tzeng E, Chen A, Sachdev U. Chloroquine improves the response to ischemic muscle injury and increases HMGB1 after arterial ligation. *J Vasc Surg.* 2017 Mar 1. pii: S0741-5214(17)30189-1. doi: 10.1016/j.jvs.2017.01.021. [Epub ahead of print]
128. Becker RA, Cluff K, Duraisamy N, Mehraein H, Farhoud H, Collins T, Casale GP, **Pipinos II**, Subbiah J. Optical probing of gastrocnemius in patients with peripheral artery disease characterizes myopathic biochemical alterations and correlates with stage of disease. *Physiol Rep.* 2017 Mar;5(5). pii: e13161. doi: 10.14814/phy2.13161. PMID: 28292886
129. Walker ST, **Pipinos II**, Johanning JM, Vargo CJ. Contained Rupture of an Abdominal Aortic Aneurysm With Extensive Vertebral Body and Retroperitoneal Space Destruction. *J Comput Assist Tomogr.* 2017 Sep/Oct;41(5):839-842. PMID: 28448408
130. Yanala UR, Johanning JM, **Pipinos II**, High RR, Larsen G, Velander WH, Carlson MA. Fluid administration rate for uncontrolled intraabdominal hemorrhage in pigs. *bioRxiv* June 23, 2017 doi: 10.1101/154203. URL: <http://www.biorxiv.org/content/early/2017/06/23/154203>
131. Schieber MN, Hasenkamp RM, **Pipinos II**, Johanning JM, Stergiou N, DeSpiegelaere HK, Chien JH, Myers SA. Muscle strength and control characteristics are altered by peripheral artery disease. *J Vasc Surg.* 2017 Jul;66(1):178-186.e12. doi: 10.1016/j.jvs.2017.01.051. PMID: 28647034
132. McCamley JD, Pisciotta EJ, Yentes JM, Wurdeman SR, Rennard SI, **Pipinos II**, Johanning JM, Myers SA. Gait deficiencies associated with peripheral artery disease are different than chronic obstructive pulmonary disease. *Gait Posture.* 2017 Sep;57:258-264. PMID: 28683417
133. Cluff K, Becker RA, Jayakumar B, Han K, Condon E, Dudley K, Szatkowski G, **Pipinos II**, Amick RZ, Patterson J. Passive Wearable Skin Patch Sensor Measures Limb Hemodynamics Based on Electromagnetic Resonance. *IEEE Trans Biomed Eng.* 2017 Jul 4. doi: 10.1109/TBME.2017.2723001. [Epub ahead of print] PMID: 28692957
134. Sun K, Batra R, Markin NW, Suh M, **Pipinos II**, Roberts EK, Mactaggart JN, Baxter BT. Transesophageal Echocardiogram-Guided Stent Placement in Superior Vena Cava Syndrome Secondary to Granulomatous Lung Disease: A Case Series and Literature Review. *Vasc Endovascular Surg.* 2017 Nov;51(8):562-566. PMID: 29017434
135. Dale M, Fitzgerald MP, Liu Z, Meisinger T, Karpisek A, Purcell LN, Carson JS, Harding P, Lang H, Koutakis P, Suh M, Batra R, Mietus CJ, Casale G, **Pipinos I**, Baxter BT, Xiong W. Premature aortic smooth muscle cell differentiation contributes to matrix dysregulation in Marfan Syndrome. *PLoS One.* 2017 Oct 17;12(10):e0186603. PMID: 29040313
136. Becker RA, Cluff K, Duraisamy N, Casale GP, **Pipinos II**. Analysis of ischemic muscle in patients with peripheral artery disease using X-ray spectroscopy. *J Surg Res.* 2017 Dec;220:79-87. PMID: 29180215
137. Batra R, Suh MK, Carson JS, Dale MA, Meisinger TM, Fitzgerald M, Opperman PJ, Luo J, **Pipinos II**, Xiong W, Baxter BT. IL-1 β (Interleukin-1 β) and TNF- α (Tumor Necrosis Factor- α) Impact Abdominal Aortic Aneurysm Formation by Differential Effects on Macrophage Polarization. *Arterioscler Thromb Vasc Biol.* 2018 Feb;38(2):457-463. PMID: 29217508

138. McCamley JD, Cutler EL, Schmid KK, Wurdeman SR, Johanning JM, **Pipinos II**, Myers SA. Gait Mechanics Differences Between Healthy Controls and Patients With Peripheral Artery Disease After Adjusting for Gait Velocity Stride Length and Step Width. *J Appl Biomech*. 2018 Jul 10:1-19. doi: 10.1123/jab.2017-0257. PMID: 29989479
139. Hernandez H, Myers SA, Schieber M, Ha DM, Baker S, Koutakis P, Kim KS, Mietus C, Casale GP, **Pipinos II**. Quantification of Daily Physical Activity and Sedentary Behavior of Claudicating Patients. *Ann Vasc Surg*. 2019 Feb;55:112-121. doi: 10.1016/j.avsg.2018.06.017. Epub 2018 Aug 13. PMID: 30114505
140. Lambert LM, **Pipinos II**, Baxter BT, Chatzizisis YS, Ryu SJ, Leighton RI, Wei T. In vitro measurements of hemodynamic forces and their effects on endothelial cell mechanics at the sub-cellular level. *Biomicrofluidics*. 2018 Nov 9;12(6):064101. doi: 10.1063/1.5028122. eCollection 2018 Nov. PMID: 30473738
141. Yanala UR, Johanning JM, **Pipinos II**, High RR, Larsen G, Velandar WH, Carlson MA. Fluid administration rate for uncontrolled intraabdominal hemorrhage in swine. *PLoS One*. 2018 Nov 29;13(11):e0207708. doi: 10.1371/journal.pone.0207708. eCollection 2018. PMID: 30496239
142. Lederle FA, Kyriakides TC, Stroupe KT, Freischlag JA, Padberg FT Jr, Matsumura JS, Huo Z, Johnson GR; OVER Veterans Affairs Cooperative Study Group. Open versus Endovascular Repair of Abdominal Aortic Aneurysm. *N Engl J Med*. 2019 May 30;380(22):2126-2135. doi: 10.1056/NEJMoa1715955. PMID: 31141634
143. Gao Y, Erickson AR, **Pipinos II**, Garg N. Spontaneous resolution of idiopathic aortitis and pitfalls in diagnosis. *J Vasc Surg Cases Innov Tech*. 2019 Apr 28;5(2):95-98. doi: 10.1016/j.jvscit.2018.10.003. eCollection 2019 Jun. PMID: 31193413
144. Gao Y, Miserlis D, Garg N, Pipinos I. Novel open technique for repair of endograft migration. *J Vasc Surg Cases Innov Tech*. 2019 Apr 28;5(2):88-90. doi: 10.1016/j.jvscit.2018.08.007. eCollection 2019 Jun. PMID: 31193434
145. Schieber MN, Pipinos II, Johanning JM, Casale GP, Williams MA, DeSpiegelaere HK, Senderling B, Myers SA. Supervised walking exercise therapy improves gait biomechanics in patients with peripheral artery disease. *J Vasc Surg*. 2019 Aug 20. pii: S0741-5214(19)31620-9. doi: 10.1016/j.jvs.2019.05.044. [Epub ahead of print] PMID: 31443974
146. Fuglestad MA, Hernandez H, Gao Y, Ybay H, Schieber MN, Brunette KE, Myers SA, Casale GP, Pipinos II. A low-cost, wireless near-infrared spectroscopy device detects the presence of lower extremity atherosclerosis as measured by computed tomographic angiography and characterizes walking impairment in peripheral artery disease. *J Vasc Surg*. 2019 Aug 21. pii: S0741-5214(19)31447-8. doi: 10.1016/j.jvs.2019.04.493. [Epub ahead of print] PMID: 31445826
And reply to letter to the Editor:
Fuglestad M, Hernandez H, Gao Y, Ybay H, Schieber M, Brunette KE, Myers S, Casale G, Pipinos I. *J Vasc Surg*. 2020 Mar;71(3):1072-1073. doi: 10.1016/j.jvs.2019.11.014. PMID: 32089205 No abstract available.

147. Ismaeel A, Franco ME, Lavado R, Papoutsis E, Casale GP, Fuglestad M, Mietus CJ, Haynatzki GR, Smith RS, Bohannon WT, Sawicki I, Pipinos II, Koutakis P. Altered Metabolomic Profile in Patients with Peripheral Artery Disease. *J Clin Med*. 2019 Sep 14;8(9). pii: E1463. doi: 10.3390/jcm8091463. PMID: 31540015
148. Gao Y, Aravind S, Patel NS, Fuglestad MA, Ungar JS, Mietus CJ, Li S, Casale GP, Pipinos II, Carlson MA. Collateral Development and Arteriogenesis in Hindlimbs of Swine After Ligation of Arterial Inflow. *J Surg Res*. 2020 May;249:168-179. doi: 10.1016/j.jss.2019.12.005. Epub 2020 Jan 24. PMID: 31986359
149. Ismaeel A, Papoutsis E, Miserlis D, Lavado R, Haynatzki G, Casale GP, Bohannon WT, Smith RS, Eidson JL, Brumberg R, Hayson A, Kirk JS, Castro C, Sawicki I, Konstantinou C, Brewster LP, Pipinos II, Koutakis P. The Nitric Oxide System in Peripheral Artery Disease: Connection with Oxidative Stress and Biopterins. *Antioxidants (Basel)*. 2020 Jul 6;9(7):590. doi: 10.3390/antiox9070590. PMID: 32640613
150. Park SY, Pekas EJ, Headid RJ 3rd, Son WM, Wooden TK, Song J, Layec G, Yadav SK, Mishra PK, Pipinos II. Acute mitochondrial antioxidant intake improves endothelial function, antioxidant enzyme activity, and exercise tolerance in patients with peripheral artery disease. *Am J Physiol Heart Circ Physiol*. 2020 Aug 1;319(2):H456-H467. doi: 10.1152/ajpheart.00235.2020. Epub 2020 Jul 24. PMID: 32706261
151. Mietus CJ, Lackner TJ, Karvelis PS, Willcockson GT, Shields CM, Lambert NG, Koutakis P, Fuglestad MA, Hernandez H, Haynatzki GR, Kim JKS, DeSpiegelaere HK, Pipinos II, Casale GP. Abnormal Microvascular Architecture, Fibrosis, and Pericyte Characteristics in the Calf Muscle of Peripheral Artery Disease Patients with Claudication and Critical Limb Ischemia. *J Clin Med*. 2020 Aug 8;9(8):E2575. doi: 10.3390/jcm9082575. PMID: 32784470
152. Casale GP, Thompson JR, Carpenter LC, Kim J, Lackner TJ, Mietus CJ, Ha DM, Myers SA, Brunette KE, Li S, Shields C, Willcockson G, Pipinos II. Cytokine Signature of Inflammation Mediated by Autoreactive Th-cells, in Calf Muscle of Claudicating Patients with Fontaine Stage II Peripheral Artery Disease. *Transl Res*. 2020 Aug 21:S1931-5244(20)30205-X. doi: 10.1016/j.trsl.2020.08.008. Online ahead of print. PMID: 32835907
153. Chen M, Li C, Nie F, Liu X, Pipinos II and Li X. Synthesis and characterization of a hyaluronic acid-based hydrogel with antioxidative and thermosensitive properties. *Royal Soc Chem Advances* 2020;10:33851-60.
154. Li C, Kitzerow O, Nie F, Dai J, Liu X, Carlson MA, Casale GP, Pipinos II, Li X. Bioengineering Strategies for the Treatment of Peripheral Arterial Disease. *Bioact Mater*. 2020 Sep 22;6(3):684-696. doi: 10.1016/j.bioactmat.2020.09.007. eCollection 2021 Mar. PMID: 33005831
155. Miserlis D, Tecos ME, Garg N, MacTaggart JN, Davies MG, Pipinos II. The "two-cut monorail" technique, for the over-the-wire removal of the Impella CP device. *J Vasc Surg Cases Innov Tech*. 2020 Sep 22;6(4):622-625. doi: 10.1016/j.jvscit.2020.09.006. eCollection 2020 Dec. PMID: 33163746
156. Cong G, Cui X, Ferrari R, Pipinos II, Casale GP, Chattopadhyay A, Sachdev U. Fibrosis Distinguishes Critical Limb Ischemia Patients from Claudicants in a Transcriptomic and Histologic Analysis. *J Clin Med*. 2020 Dec 8;9(12):E3974. doi: 10.3390/jcm9123974. PMID: 33302519

157. Rahman H, Pipinos II, Johanning JM, Myers SA. Gait variability is affected more by peripheral artery disease than by vascular occlusion. PLoS One. 2021 Mar 31;16(3):e0241727. doi: 10.1371/journal.pone.0241727. eCollection 2021. PMID: 33788839

158. Bashir AZ, Dinkel DM, Bapat GM, Despiegelaere H, Hassan M, Johanning JM, Pipinos II, Myers SA. Considerations for Implementation of an Ankle-Foot Orthosis to Improve Mobility in Peripheral Artery Disease. Arch Rehabil Res Clin Transl. 2021 Jan 5;3(1):100092. doi: 10.1016/j.arrct.2020.100092. eCollection 2021 Mar. PMID: 33778468

Work submitted for Peer Review

NA

Book chapters/contributions

1. Dossa CD, **Pipinos II**, Shepard AD, Ernst CB: Primary Aortoenteric Fistula: Part I. In Basic Data Underlying Clinical Decision Making in Vascular Surgery. Eds. Porter JM, Taylor LM. Quality Medical Publishing, Inc., St Louis, MO, 116-123, 1994.

2. Dossa CD, **Pipinos II**, Shepard AD, Ernst CB: Primary Aortoesophageal Fistula: Part II. In Basic Data Underlying Clinical Decision Making In Vascular Surgery. Eds. Porter JM, Taylor LM. Quality Medical Publishing, Inc., St Louis, MO, 124-128, 1994.

3. **Pipinos II** : Sections on: 1) Primary Aortoesophageal fistulae and 2) Secondary Aortoesophageal fistulae. In Self-Assessment in Cardiothoracic Critical Care. Eds. Karmy-Jones R, Hamilton A, Rubens F., Lippincott-Raven Publishers, Philadelphia, PA, 1998.

4. **Pipinos II**, Shepard AD: Sections on: 1) Management of Acute Stroke following Carotid Endarterectomy, 2) Reperfusion associated Compartment Syndrome and Myonecrosis, 3) Nonocclusive Mesenteric Ischemia, 4) Tracheoinnominate fistula, 5) Management of puncture site complications resulting from percutaneous arterial interventions. In Self-Assessment Color Review in General Critical Care. Eds. Horst H. M., Karmy-Jones R., Manson Publishing London, UK, 2001

5. **Pipinos II**, Escobar FS, Anagnostopoulos PV, Elliott JP, Schwartz SA. Early experience with Taylor and Notched vein patching in the construction of arteriovenous hemodialysis access procedures: Results of a prospective study. In: Henry ML, Ferguson RM (Eds). Vascular Access for Hemodialysis VI. Chicago: WL Gore & Associates, Inc. & Precept Press, 1999.

6. Reddy DJ, **Pipinos II**, Shepard AD. Aortoiliac arterial occlusive disease. In Greenfield LJ, Mulholland MW, Oldham KT, Zelenock GB(Eds). Surgery: Scientific Principles and Practice, JB Lippincott Company, Philadelphia. 3rd edition.

7. Reddy DJ, **Pipinos II**, Shepard AD. Aortoiliac arterial occlusive disease. In Greenfield LJ, Mulholland MW, Oldham KT, Zelenock Gb(eds).Review for Surgery: Scientific Principles and Practice, JB Lippincott Company, Philadelphia. 3rd Edition.

8. Morris DE, Escobar FS, Anagnostopoulos PV, **Pipinos II**, Schwartz SA. Venovenous bypass for central vein occlusions-Long term results. In: Henry ML, Ferguson RM (Eds). Vascular Access for Hemodialysis VII. Chicago: WL Gore & Associates, Inc. & Precept Press, 2001.
9. **Pipinos II**, Baxter BT. The Lymphatics. In: Townsend CM, Beauchamp RD, Evers BM, Mattox KL (Eds). Sabiston Textbook of Surgery. The biological basis of modern surgical practice. 17th edition. Philadelphia; Elsevier-Saunders, 2004
10. **Pipinos II**, Baxter BT. The Lymphatics. In: Townsend CM, Beauchamp RD, Evers BM, Mattox KL (Eds). Sabiston Textbook of Surgery. Board Review. 17th edition. Philadelphia; Elsevier-Saunders, 2004
11. **Pipinos II**, Baxter BT. The Pathogenesis of Abdominal Aortic Aneurysm. In: Gerald Zelenock, Louis Messina, Gregory Moneta, Thomas Huber, and Alan Lumsden. (Eds). Mastery of Vascular and Endovascular Surgery. Philadelphia, Lippincott Williams & Wilkins, 2005
12. **Pipinos II**. Cerebrovascular Clinic In: Barry D. Mann, Thomas G. Lynch (Eds). SURGERY: A COMPETENCY-BASED COMPANION. 1st Edition, Philadelphia, Elsevier, 2008
13. **Pipinos II**, Baxter BT. The Lymphatics. In: Townsend CM, Beauchamp RD, Evers BM, Mattox KL (Eds). Sabiston Textbook of Surgery. The biological basis of modern surgical practice. 18th edition. Philadelphia; Elsevier-Saunders, 2008
14. **Pipinos II**, Baxter BT. The Lymphatics. In: Townsend CM, Beauchamp RD, Evers BM, Mattox KL (Eds). Sabiston Textbook of Surgery. Board Review. 18th edition. Philadelphia; Elsevier-Saunders, 2008
15. **Pipinos II**. Cerebrovascular Disease. In: Barry D. Mann (Ed). Surgery: A competency based companion 1st Edition. Philadelphia; Elsevier-Saunders, 2009
16. **Pipinos II**, Baxter BT. The Lymphatics. In: Townsend CM, Beauchamp RD, Evers BM, Mattox KL (Eds). Sabiston Textbook of Surgery. The biological basis of modern surgical practice. 19th edition. Philadelphia; Elsevier-Saunders, 2012
17. **Pipinos II**, Baxter BT. The Lymphatics. In: Townsend CM, Beauchamp RD, Evers BM, Mattox KL (Eds). Sabiston Textbook of Surgery. Board Review. 19th edition. Philadelphia; Elsevier-Saunders, 2012
18. Casale GP, **Pipinos II**. Ischemia-Reperfusion. In: Rutherford's Textbook of Vascular Surgery. 8th Edition. Philadelphia; Elsevier, 2014
19. **Pipinos II**, Baxter BT. The Lymphatics. In: Townsend CM, Beauchamp RD, Evers BM, Mattox KL (Eds). Sabiston Textbook of Surgery. The biological basis of modern surgical practice. 20th edition. Philadelphia; Elsevier-Saunders, 2016
20. Pipinos II. Item Writer for the VESAP 4, Vascular Education and Self-Assessment Program of the Society for Vascular Surgery, July 2017
21. Hernandez H, **Pipinos II**. Thoracofemoral bypass. In: Endovascular and Open Vascular Reconstruction: A Practical Approach. 1st Edition by Sachinder Singh Hans (Editor), Alexander D.

Shepard (Editor), Mitchell R. Weaver (Editor), Paul Bove (Editor), Graham W. Long (Editor) by CRC Press; December 19, 2017.

22. Thompson JR, **Pipinos II**. The Lymphatics. In: Townsend CM, Beauchamp RD, Evers BM, Mattox KL (Eds). Sabiston Textbook of Surgery. The biological basis of modern surgical practice. 21st edition. Philadelphia; Elsevier-Saunders, 2019

23. **Pipinos II**, Hans SS. Thoracofemoral bypass. In: "Primary and Reoperative Arterial surgery". 1st Edition by Sachinder Singh Hans (Editor), by Springer; 2021

SCIENTIFIC PRESENTATIONS/EXHIBITS/ABSTRACTS/INVITED PRESENTATIONS

1. Escobar FS, **Pipinos II**: Vascular access. Grand Rounds Presentation, May 1995. Henry Ford Hospital, Detroit, MI.
2. **Pipinos II**, Escobar FS, Elliott JP, Schwartz SA, Abouljoud MS: Sutureless construction of vascular anastomoses in hemodialysis access procedures. Presented in the Scientific Exhibit Session of the American College of Surgeons 82nd annual clinical congress, San Francisco, California. October 6-11, 1996.
3. **Pipinos II**, Escobar FS: From Androsov to modern vascular techniques. Grand Rounds Presentation November 1996. Henry Ford Hospital, Detroit, MI.
4. **Pipinos II**, Escobar FS, Elliott JP, Schwartz SA, Abouljoud MS: Sutureless construction of vascular anastomoses in hemodialysis access procedures. Presented in the Scientific Exhibit Session of the Henry Ford Hospital Resident Research Forum, Detroit, Michigan. February 25-27, 1997.
5. **Pipinos II**, Escobar FS, Elliott JP, Schwartz SA, Abouljoud MS: Sutureless construction of vascular anastomoses in hemodialysis access procedures. Presented at the Michigan Vascular Surgical Association Meeting, Novi, Michigan. April 13, 1997.
6. **Pipinos II**, Nypaver TJ, Mohsin SK, Carretero OA and Beierwaltes WH: Depressor response to sustained angiotensin-II inhibition in chronic renovascular hypertension predicts success of surgical repair. Presented at the 33rd Annual Meeting of the Michigan Society of Thoracic and Cardiovascular Surgeons, Gaylord, Michigan, August 1, 1997
7. Anagnostopoulos PV, Escobar FS, **Pipinos II**, Elliott JP, Schwartz SA: New techniques for the construction of graft to vein anastomoses in arteriovenous dialysis access procedures. Presented at the Scientific Exhibit Session at the ACS 83rd Annual Clinical Congress, Chicago, Illinois, April 10, 1997.
8. **Pipinos II**, Nypaver TJ, Mohsin SK, Carretero OA and Beierwaltes WH: Depressor response to sustained angiotensin-II inhibition in chronic renovascular hypertension predicts success of surgical repair. Presented at the 21st Annual Scientific Meeting of the Midwestern Vascular Surgical Society, Chicago September 1997, Winner 1997 Charles C. Guthrie Award for outstanding research in Vascular Surgery .

9. **Pipinos II**, Escobar FS, Anagnostopoulos PV, Elliott JP, Schwartz SA. Early experience with Taylor and Notched vein patching in the construction of arteriovenous hemodialysis access procedures: Results of a prospective study. Presented at the Roy D. McLure Surgical Alumni Society Triennial Scientific Meeting, September 1997.
10. **Pipinos II**, Nypaver TJ, Mohsin SK, Carretero OA and Beierwaltes WH: Depressor response to sustained angiotensin-II inhibition in chronic renovascular hypertension predicts success of surgical repair. Presented at the Scientific Meeting of the Detroit Surgical Association, Detroit, October 1997. Winner 1998 Charles G. Johnson Award in recognition of outstanding research presented to the Association, May 14, 1998
11. **Pipinos II**, Nypaver TJ, Mohsin SK, Carretero OA and Beierwaltes WH: Depressor response to sustained angiotensin-II inhibition in chronic renovascular hypertension predicts success of surgical repair. Presented at the 5th Annual Resident and Fellow research Forum, Henry Ford Hospital, February, 1998. Winner of the 1st place prize awarded for basic sciences research, February 24-26, 1998.
12. Boska MD, Nelson JA, **Pipinos II**, Sripathi N. Changes in energy metabolism in 3 sequential submaximal isometric contractions of human calf muscle. Presented at the 5th Annual Meeting of the International Society for Magnetic Resonance in Medicine, Vancouver, British Columbia, April 1997 [Proc ISMRM 1997; 5:1304]
13. Bosca MD, **Pipinos II**, Shepard AD Nelson JA, Richter S. Comparison of treadmill testing of peripheral perfusion deficits and oxidative indicators determined by 31-P NMRS in peripheral vascular occlusive patients. Presented at the 6th Annual Meeting of the International Society for Magnetic Resonance in Medicine, Sidney, Australia April 18-24,1998 [Proc ISMRM 1998; 6:1793.].
14. **Pipinos II**, Escobar FS, Anagnostopoulos PV, Elliott JP, Schwartz SA. Early experience with Taylor and Notched vein patching in the construction of arteriovenous hemodialysis access procedures: Results of a prospective study. Presented at the 6th National Meeting for Hemodialysis Access, Miami, May 1998.
15. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Kiskinis D, Boska MD. 31P nuclear magnetic resonance spectroscopy: in vivo, real time, noninvasive study of the ischemic limb bioenergetics.
16. Presented at the Scientific Exhibit Session at the ACS 84th Annual Clinical Congress, Orlando, Florida, October 25-30, 1998.
17. Anagnostopoulos PV, Escobar FS, **Pipinos II**, Elliott JP, Schwartz SA. Bypass of subclavian vein occlusion for the salvage of hemodialysis access grafts and fistulae. Presented at the Scientific Exhibit Session at the ACS 84th Annual Clinical Congress, Orlando, Florida, October 25-30, 1998.
18. **Pipinos II**, Boska MD, Shepard AD: Pathophysiology of tissue ischemia. Grand Rounds Presentation, November 1998. Henry Ford Hospital, Detroit, MI.
19. Gasparri MG, **Pipinos II**, Kralovich KA, Patton J, Obeid FN. Thoracic outlet trauma. Grand Rounds Presentation, February 1999. Henry Ford Hospital, Detroit, MI.

20. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Boska MD. 31P nuclear magnetic resonance spectroscopy: in vivo, real time, noninvasive study of the ischemic limb bioenergetics. Presented at the 6th Annual Resident and Fellow research Forum, Henry Ford Hospital, March, 1999.
21. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Nelson J, Boska MD 31P Nuclear Magnetic Resonance Spectroscopy (31P NMRS) reveals evidence for a primary dysfunction of mitochondria (DM) in claudicating muscle. Presented at the 6th Annual Resident and Fellow research Forum, Henry Ford Hospital, March, 1999.
22. Gasparri MG, **Pipinos II**, Kralovich KA, Patton J, Obeid FN. Angiography in the Management of Penetrating Periclavicular Trauma. Presented at the 6th Annual Resident and Fellow research Forum, Henry Ford Hospital, March 1999.
23. Shah NL, **Pipinos II**, Malik M, Anagnostopoulos PV, Nypaver TJ. Neovascular glaucoma: A rare complication of carotid revascularization. Presented at the 6th Annual Resident and Fellow research Forum, Henry Ford Hospital, March, 1999.
24. Anagnostopoulos PV, Escobar FS, **Pipinos II**, Elliott JP, Schwartz SA. Bypass of subclavian vein occlusion for the salvage of hemodialysis access grafts and fistulae. Presented at the 6th Annual Resident and Fellow research Forum, Henry Ford Hospital, March, 1999.
25. Gasparri MG, **Pipinos II**, Kralovich KA, Margolin DA. Retrograde jejuno gastric intussusception. Presented at the 6th Annual Resident and Fellow research Forum, Henry Ford Hospital, March, 1999. Winner of the 2nd place prize awarded for clinical sciences research, March 2-5, 1999.
26. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Katsamouris A, Nelson J, Boska MD. 31P Nuclear Magnetic Resonance Spectroscopy reveals evidence for a primary dysfunction of mitochondria in claudicating muscle. Presented at the Scientific Meeting of the Detroit Surgical Association , Detroit, April 1999.
27. Lorelli D, Gasparri MG, **Pipinos II**, Kralovich KA, Patton J, Obeid FN. Angiography in the Management of Penetrating Periclavicular Trauma. Presented at the Scientific Meeting of the Detroit Surgical Association, Detroit , April 1999.
28. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Katsamouris A, Nelson J, Boska MD. 31P Nuclear Magnetic Resonance Spectroscopy reveals evidence for a primary dysfunction of mitochondria in claudicating muscle. Presented at the 46th Annual Meeting , Michigan Chapter, American College of Surgeons. Harbor Springs, MI, May 6-7, 1999. Winner of the D. Emerick Szilagyi Award for outstanding research in Vascular Surgery .
29. **Pipinos II**, Escobar FS, Anagnostopoulos PV, Elliott JP, Schwartz SA. Early experience with Taylor and Notched vein patching in the construction of arteriovenous hemodialysis access procedures: Results of a prospective study. Presented at the 46th Annual Meeting , Michigan Chapter, American College of Surgeons. Harbor Springs, MI, May 6-7, 1999.

30. Lorelli D, Gasparri MG, **Pipinos II**, Kralovich KA, Patton J, Obeid FN. Angiography in the Management of Penetrating Periclavicular Trauma. Presented at the 46th Annual Meeting , Michigan Chapter, American College of Surgeons. Harbor Springs, MI, May 6-7, 1999.
31. **Pipinos II**. Renovascular hypertension. Presented at the Divisional Grand Rounds of the Division of Vascular Surgery, Henry Ford Hospital, Detroit, MI, May 27, 1999.
32. Gasparri MG, Kralovich KA, **Pipinos II**, Lorelli D, Obeid FN. Physical examination plus chest radiography in Penetrating Periclavicular Trauma: the appropriate trigger for angiography. Presented at the 59th annual meeting of the American Association for the Surgery of Trauma, Boston, MA, September 16-18, 1999.
33. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Katsamouris A, Nelson J, Boska MD. 31P Nuclear Magnetic Resonance Spectroscopy reveals evidence for a primary dysfunction of mitochondria in claudicating muscle. Presented at the 23rd Annual Meeting of the Midwestern Vascular Surgical Society, Chicago, Sept. 24-25, 1999
34. **Pipinos II**, Shepard AD, Katsamouris A, Anagnostopoulos PV, Nelson JA, Boska MD. Comparison of treadmill testing and 31P resonance spectroscopy in patients with peripheral arterial occlusive disease. Presented at the 85th Annual Clinical Congress, San Francisco, CA, Oct 10-15, 1999
35. **Pipinos II**, Escobar FS, Anagnostopoulos PV, Elliott JP, Schwartz SA. Early experience with Taylor and Notched vein patching in the construction of arteriovenous hemodialysis access procedures: Results of a prospective study. Presented at the Scientific Meeting of the Detroit Surgical Association , Detroit , Oct 24, 1999.
36. **Pipinos II**. Embryology of arteries and veins. Presented at the Divisional Grand Rounds of the Division of Vascular Surgery, Henry Ford Hospital, Detroit, MI, Oct 28, 1999.
37. **Pipinos II**, Boska MD, Shepard AD, Anagnostopoulos PV, Katsamouris A. Pentoxifylline reverses primary oxidative mitochondrial defect in claudication. Oral presentation at the 33rd Annual Meeting of the Association for Academic Surgery, November 18-20, 1999, Philadelphia, PA, USA .
38. **Pipinos II**. Skeletal muscle mitochondriopathy in patients with peripheral arterial disease. Future directions. Presented at the Educational lecture series of the Vascular Laboratory, Division of Vascular Surgery, Henry Ford Hospital, Detroit, MI, Jan 28, 2000.
39. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Nypaver TJ, Cho JS, Reddy DJ. Operative management of proximal abdominal aortic aneurysms. Presented at the 7th Annual Resident and Fellow research Forum, Henry Ford Hospital, February 21-25, 2000. Winner of the 1st place prize awarded for clinical sciences research, March 2-5, 1999.
40. Schuerer D, **Pipinos II**, Nypaver TJ, Reddy DJ. Enlarging abdominal aortic aneurysm from an endoleak requiring partial graft explant and repair. Presented at the 7th Annual Resident and Fellow research Forum, Henry Ford Hospital, February 21-25, 2000.

41. **Pipinos II**, Boska MD, Shepard AD, Anagnostopoulos PV, Katsamouris A. Pentoxifylline reverses primary oxidative mitochondrial defect in claudication. Presented at the 7th Annual Resident and Fellow research Forum, Henry Ford Hospital, February 21-25, 2000. Winner of the 1st place prize awarded for basic sciences research performed by a fellow, March 2-5, 1999.
42. **Pipinos II**, Boska MD, Shepard AD, Anagnostopoulos PV, Katsamouris A. Pentoxifylline reverses primary oxidative mitochondrial defect in claudication. Presented at the Scientific Meeting of the Detroit Surgical Association, Detroit , April 2000. Winner 2000 Charles G. Johnson Award in recognition of outstanding research presented to the Association, May 14, 2000.
43. **Pipinos II**. The mitochondriopathy of arterial occlusive disease. Grand Rounds presentation, Department of Biophysics, Physical Chemistry and Radiologic Physics, University of Pennsylvania Philadelphia, PA, April 26, 2000.
44. **Pipinos II**. The mitochondriopathy of peripheral arterial occlusive disease. Grand Rounds presentation, Department of Hypertension and Vascular Research, Henry Ford Hospital Detroit, MI, April 27, 2000.
45. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Nypaver TJ, Cho JS, Reddy DJ. Operative management of proximal abdominal aortic aneurysms. Presented at the 47th Annual Meeting , Michigan Chapter, American College of Surgeons. Traverse City, MI, May 4-5, 2000.
46. **Pipinos II**, Boska MD, Shepard AD, Anagnostopoulos PV, Katsamouris A. Pentoxifylline reverses primary oxidative mitochondrial defect in claudication. Presented at the 47th Annual Meeting, Michigan Chapter, American College of Surgeons. Traverse City, MI, May 4-5, 2000.
47. Morris DE, Escobar FS, Anagnostopoulos PV, **Pipinos II**, Schwartz SA. Venovenous bypass for central vein occlusions-Long term results. Presented at the 7th National Meeting for Hemodialysis Access, Miami, May 2000.
48. Anagnostopoulos PV, Morris DE, Escobar FS, **Pipinos II**, Schwartz SA, Abouljoud M. Hemodialysis access after exhaustion of conventional arm sites: The exotic grafts. Poster presentation at the 54th Annual Meeting of the Society for Vascular Surgery, Toronto, Ontario, Canada, June 11-14, 2000.
49. **Pipinos II**. Physiology of claudication. Invited lecture presented to the Roy D. McClure surgical Alumni Society. Detroit, MI, October 21, 2000.
50. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Chaudry PA, Raman SBK, Mishima T, Morita H. Supraceliac aortic cross clamping is associated with consumptive coagulopathy and not primary fibrinolysis. Presented at the 24th Annual Meeting of the Midwestern Vascular Surgical Society, Scottsdale, Arizona AZ, November 5 8, 2000
51. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Chaudry PA, Raman SBK, Mishima T, Morita H. Analysis of coagulation changes associated with supraceliac aortic cross clamping using thromboelastography. Presented at the 34rd Annual Meeting of the Association for Academic Surgery, November 1-4, 2000, Tampa, FL

52. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Nypaver TJ, Cho JS, Reddy DJ. Factors affecting outcome in suprarenal abdominal aortic aneurysm repair. Presented at the Annual Meeting of the Western Surgical Association, November 12-15, 2000, Dana Point, CA.
53. **Pipinos II**, Denson T, Shepard AD, Anagnostopoulos PV, Katsamouris A, Boska MD. Skeletal muscle mitochondrial dysfunction in patients with unilateral peripheral arterial occlusive disease (Presented at the 34th Annual Meeting of the Association for Academic Surgery, Tampa, FL, November 2000)
54. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Raman SBK, Chaudhry PA, Mishima T. Supraceliac aortic cross clamping is associated with consumptive coagulopathy and not primary fibrinolysis. Oral presentation at the 2000 Meeting of the Midwestern Vascular Society, Scottsdale, AZ, November 2000.
55. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Nypaver TJ, Cho JS, Reddy DJ. Factors affecting outcome in suprarenal abdominal aortic aneurysm repair. Oral presentation at the 2000 Meeting of the Western Surgical Association, Laguna Niguel, CA, November 2000
56. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Nypaver TJ, Cho JS, Reddy DJ. Factors affecting outcome in suprarenal abdominal aortic aneurysm repair. Oral presentation at the Detroit Surgical Association, Detroit, MI, December 2000
57. **Pipinos II**. Bioenergetics of chronically ischemic muscle. Invited Grand Rounds lecture. Presented to the Department of Surgery, Henry Ford Hospital, Detroit, MI, January 6, 2001.
58. **Pipinos II**. Acquired mitochondriopathy in chronically ischemic skeletal muscle. Invited lecture presented to the Division of Vascular Surgery, Yale University, New Haven, Connecticut, January 23, 2001.
59. **Pipinos II**. Metabolic myopathy in chronically ischemic skeletal muscle. Invited Grand Rounds lecture. Presented to the Department of Surgery, University of Nebraska, Omaha, Nebraska, February 10, 2001.
60. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Todor A, Sharov VG, Katsamouris A., Sabah, HN. Abnormal respiration in skeletal muscle mitochondria of patients with peripheral arterial disease. Presented at the "Mitochondria 2001" meeting of the Mitochondrial Medicine Society, The Mitochondrial Research Society, and the United Mitochondrial Disease Foundation, San Diego, CA, March 2001.
61. **Pipinos II**. Mitochondria in chronically ischemic skeletal muscle. Invited lecture presented to the Division of Vascular Surgery and the Vascular Biology Center, Medical College of Georgia, Augusta, Georgia, March 19, 2001.
62. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Raman SBK, Chaudhry PA, Mishima T. Supraceliac aortic cross clamping is associated with consumptive coagulopathy and not primary fibrinolysis. Oral presentation at the Detroit Surgical Association, Detroit, MI, March 2001. Winner 2000 Charles G. Johnson Award in recognition of outstanding research presented to the Association.

63. Anagnostopoulos PV, Shepard AD, **Pipinos II**, Raman SBK, Chaudhry PA, Mishima T. Supraceliac aortic cross clamping is associated with consumptive coagulopathy and not primary fibrinolysis. Oral presentation at the 50th Annual Resident Surgeons Competition of the Annual Meeting of the Michigan Chapter of the American College of Surgeons, Dearborn, MI, May 2001. Winner of the D. Emerick Szilagyi Award for outstanding research in Vascular Surgery
64. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Todor A, Sharov VG, Katsamouris A, Sabah, HN. Abnormal respiration in skeletal muscle mitochondria of patients with peripheral arterial disease. Oral presentation at the Detroit Surgical Association, Detroit, MI, March 2001.
65. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Todor A, Sharov VG, Katsamouris A, Sabah, HN. Abnormal respiration in skeletal muscle mitochondria of patients with peripheral arterial disease. Oral presentation at the 50th Annual Resident Surgeons Competition of the Annual Meeting of the Michigan Chapter of the American College of Surgeons, Dearborn, MI, May 2001
66. Panduranghi K, Anagnostopoulos PV, **Pipinos II**. Coagulation activation activation after supraceliac aortic cross clamping is not due to cytokine release. Presented at the 35th Annual Meeting of the Association for Academic Surgery, November15-17, 2001, Milwaukee, Wisconsin
67. **Pipinos II**, Sharov VG, Todor A, Anagnostopoulos PV, Sabah HN, Shepard AD. Abnormal respiration in skeletal muscle mitochondria of patients with peripheral arterial disease. Presented at the 35th Annual Meeting of the Association for Academic Surgery, November15-17, 2001, Milwaukee, Wisconsin
68. Filis K, Arko FR, Johnson BL, **Pipinos II**, Harris EJ, Olcott C, Harris EJ, Zarins CK. Duplex ultrasound criteria for defining the severity of carotid stenosis. Presented at the 20th World Congress of the International Union of Angiology April 7-11, 2002, New York, New York.
69. **Pipinos II**. Thoracoabdominal aneurysms. Grand Rounds presentation. Department of Surgery, University of Nebraska School of Medicine, Omaha, NE September 13, 2002
70. **Pipinos II**. Thoracoabdominal aneurysms. Grand Rounds presentation. Department of Medicine, University of Nebraska School of Medicine, Omaha, NE, October 25, 2002
71. **Pipinos II**, Shepard AD, Anagnostopoulos PV, Katsamouris A, Boska MD. 31P Nuclear Magnetic Resonance Spectroscopy reveals evidence for a primary dysfunction of mitochondria in claudicating muscle. J Vasc Surg 2000 May;31(5):944-952. In the Year Book of Vascular Surgery 2002, John M. Porter Editor, Chapter 1- Basic Considerations: 73-4.
72. Cluff P, Vang P, Johanning JM, Brunz J, Swanson SA, Hoppel CL, Katsamouris A, Baxter BT, Lynch TG, **Pipinos II**. Long term effects of ischemia on mouse gastrocnemius mass and mitochondrial function. Oral presentation at the Midwest student Biomedical Research Forum, Omaha, NE, February, 2003.
73. Brunz J, Johanning JM, Vang P, Swanson SA, Lynch TG, Park J, Hoppel CL, Katsamouris A, Baxter BT, **Pipinos II**. Effect of long term ischemia on mouse gastrocnemius mitochondrial physiology.

Oral presentation at the 27th Association of VA Surgeons, Annual Surgical Symposium, Nashville, TN, May 3-5, 2003.

74. Vang P, Johanning JM, Brunz JM, Swanson SA, Lynch TG, Park J, Hoppel CL, Katsamouris A, Baxter BT, Pipinos II. Effect of long term ischemia on mouse gastrocnemius mass and mitochondrial function. Poster presentation at the Mitochondria 2003 annual meeting, San Diego, CA, June 11-14, 2003.
75. **Pipinos II.** Ischemic skeletal muscle mitochondriopathy. Research seminar presentation. Department of Vascular Surgery, University of Pittsburgh School of Medicine, Pittsburgh PA, August 26, 2003
76. **Pipinos II.** Ischemic skeletal muscle mitochondriopathy: Implications for the pathogenesis of claudication and tissue loss. Invited Basic Science Seminar in Vascular Surgery. 27th annual meeting, Midwestern vascular surgical society, Chicago, IL, September 18, 2003
77. **Pipinos II.** Strategies for enhanced patient participation in large trials. OVER trial 1st Annual Meeting. Cleveland, OH, September 30, 2003
78. **Pipinos II.** Treatment strategies for intermittent claudication. Creighton University vascular symposium, Omaha, NE, October 3, 2003
79. Vang P, Brunz J, Johanning JM, Swanson SA, Zhu Z, Lynch TG, Baxter BT, **Pipinos II.** Increased muscle mass and mitochondrial content in chronically ischemic skeletal muscle. Oral poster presentation at the 2003 Annual meeting of the Association for Academic Surgery, Sacramento, CA, November 13-15, 2003 (abstract at J Surg Res. 2003 Oct;114(2):299.)
80. Johanning JM, Brunz J, **Pipinos II**, Park J, Leone A, Baxter BT, Lynch TG. Altered nitric oxide metabolites in patients with abdominal aortic aneurysm: potential for screening. Presented in the 58th Owen Wangenstein Forum, of the American College of Surgeons 89th annual clinical congress, Sacramento, California. October, 2003.
81. **Pipinos II.** Ischemic skeletal muscle mitochondriopathy: Implications for the pathogenesis of claudication and tissue loss. Grand Rounds presentation. Department of Surgery, University of Nebraska School of Medicine, Omaha, NE January 14, 2004
82. **Pipinos II.** Treatment strategies for intermittent claudication. Grand Rounds presentation. Department of Family Medicine, University of Nebraska School of Medicine, Omaha, NE February 4, 2004
83. Vang P, J.M. Johanning, J M Brunz, S.A. Swanson, T.G. Lynch, B.T. Baxter, **Pipinos II.** Effect of long term ischemia on mouse gastrocnemius mass and mitochondrial function. Poster presentation at the Society for University Surgeons 65th Annual meeting. St. Louis, Missouri, February 11-14, 2004
84. **Pipinos II**, Johanning JM, Pham CN, Soundararajan K, Lynch TG. Transcervical approach with protective flow reversal or filter placement for the performance of carotid angioplasty and

stenting. Presented at the 28th Annual meeting of the Midwestern Vascular Surgical Society, September 9-11, 2004 Omaha, Nebraska

85. Scott-Pandorf MM, **Pipinos II**, Stergiou N. The effect of peripheral arterial disease on gait: unilateral patients affected and nonaffected legs. Presented at the First Upper Midwest Student Regional Meeting of the American Society of Biomechanics, November 12-13, 2004, Minneapolis, Minnesota
86. **Pipinos II**. Carotid angioplasty/stenting, a surgeon's perspective. Grand Rounds presentation. Department of Surgery, University of Nebraska School of Medicine, Omaha, NE December 1, 2005
87. **Pipinos II**. Endovascular treatment of carotid disease. Grand Rounds presentation. Department of Family Medicine, University of Nebraska School of Medicine, Omaha, NE February 8, 2005
88. **Pipinos II**. Carotid angioplasty/stenting. Grand Rounds presentation. Department of Internal Medicine, University of Nebraska School of Medicine, Omaha, NE March 11, 2005
89. **Pipinos II**. Endovascular treatment of carotid disease. Grand Rounds presentation. Division of Cardiology, University of Nebraska School of Medicine, Omaha, NE April 5, 2005
90. **Pipinos II**, Zhu Z, Johanning JM, Swanson SA, Lynch TG, Baxter BT. Gastrocnemius Muscle of Patients With Peripheral Arterial Disease has Specific Mitochondrial Electron Transport Chain Defects. Presented at the Society for Vascular Surgery 2005 Research Initiatives in Vascular Disease Conference, April 7-8, 2005 Washington, DC
91. Robinson L, Scott-Pandorf MM, Stergiou N, Johanning JM, Lynch TG, **Pipinos II**. Claudication Produces Abnormal and Inefficient Gait Patterns Detectable by Advanced Biomechanical Analyses. Oral presentation at the 2005 Annual Meeting of the Nebraska Chapter of the American College of Surgeons, Omaha, NE, September 2005. Winner of the **2005 Award** for outstanding research in Surgery Basic Sciences.
92. Robinson L, Scott-Pandorf MM, Stergiou N, Johanning JM, Lynch TG, **Pipinos II**. Claudication Produces Abnormal and Inefficient Gait Patterns Detectable by Advanced Biomechanical Analyses. Presented at the 29th Annual meeting of the Midwestern Vascular Surgical Society, September 15-17, 2005, Chicago, IL
93. **Pipinos II**, Invited discussant, The American College of Surgeons 91st Clinical Congress, October 16-20, 2005, San Francisco, CA. Title of paper discussed: Hyperbaric oxygen inhibits recruitment of bone marrow-derived endothelial progenitor cells to ischemic hindlimb muscles but not to ischemic skin wounds. By Goldstein L., Bauer S., Thom S., Velazquez O., Hospital of the University of Pennsylvania, Philadelphia, PA
94. **Pipinos II**, Invited discussant, The American College of Surgeons 91st Clinical Congress, October 16-20, 2005, San Francisco, CA. Title of paper discussed: COX-2 inhibition enhances spinal cord mitochondrial activity in a murine model of thoracic aortic ischemia reperfusion. By Stone D, Conrad M, AlBadawi H, Entabi F, Cambria R, Watkins M, Massachusetts General Hospital, Boston, MA

95. **Pipinos II**, Invited presentation, The Myopathy of Peripheral Arterial Disease, The Greek Society for Vascular Surgery, 10th Clinical Congress, January 20-22, 2006, Athens, Greece
96. **Pipinos II**, Burjonrappa S, Johanning JM, Longo GM, Lynch TG. Carotid Angioplasty With Internal Carotid Artery Flow Reversal Is Well Tolerated In Patients With At Least One Patent Intracranial Collateral. Presented at the Society for Clinical Vascular Surgery 34th Annual Symposium on Vascular Surgery, March 8-11, 2006, Las Vegas, Nevada. Winner of the **Allastair Karmody Poster Award** for the "carotid surgery" category.
97. MacTaggart JN, Johanning JM, Xiong W, Knispel RA, **Pipinos II**, Baxter BT. NADPH Oxidase Inhibition Suppresses Aortic Aneurysm Formation. Presented at the Society for Vascular Surgery 2006 Research Initiatives Meeting. March 30-31, 2006 Washington, DC.
98. Robinson L, Scott-Pandorf MM, Stergiou N, Johanning JM, Lynch TG, **Pipinos II**. Claudication Produces Abnormal and Inefficient Gait Patterns Detectable by Advanced Biomechanical Analyses. Presented at the 2006 Rochester Vascular Symposium. May 5-7, 2006, Rochester, New York.
99. MacTaggart JN, Johanning JM, Xiong W, Knispel RA, **Pipinos II**, Baxter BT. NADPH Oxidase Inhibition Suppresses Aortic Aneurysm Formation. Presented at 2006 Vascular Annual Meeting, June 1-4, 2006 Philadelphia, Pennsylvania.
100. Black C, Ringley CD, McBride CL, Sorensen VJ, Thompson JS, Longo GM, **Pipinos II**, Johanning JM. Inferior vena cava filter placement for pulmonary embolus risk reduction in the super morbidly obese undergoing bariatric surgery. Presentation presented at American Society of Bariatric Surgery, June 2006.
101. Huisinga JM, Myers SA, Johanning J, **Pipinos II**, Chen S. The effect of pharmacologic therapy on kinetic gait parameters in patients with peripheral arterial disease. Presented at the 2006 Annual Meeting of the American Society of Biomechanics, September 2006, Virginia Tech, Blacksburg, VA.
102. Myers SA, Huisinga JM, Johanning J, **Pipinos II**, Chen S: Ground reaction forces in patients with unilateral peripheral arterial disease. Presented at the 2006 Annual Meeting of the American Society of Biomechanics, September 2006, Virginia Tech, Blacksburg, VA.
103. Chen S, **Pipinos II**, Johanning J, Huisinga J, Myers A. The effect of claudication on joint moments during walking. Presented at the 2006 Annual Meeting of the American Society of Biomechanics, September 2006, Virginia Tech, Blacksburg, VA.
104. **Pipinos II**. Skeletal Muscle Mitochondriopathy in Patients with Peripheral Arterial Disease, Research seminar presentation. Department of Vascular Surgery, Mayo Clinic, Rochester, MN, September 11, 2006.
105. **Pipinos II**. The Myopathy of Peripheral Arterial Disease, Grand Rounds presentation. Department of Surgery, Banner Health Good Samaritan Medical Center, Phoenix, AZ, October 26, 2006.

106. **Pipinos II.** The Myopathy of Peripheral Arterial Disease, Grand Rounds presentation. Department of Surgery, Creighton University Medical Center, Omaha, NE, October 30, 2006.
107. **Pipinos II,** Casale GP. Redox imbalance associated with mitochondrial defects in electron transport as the underlying mechanism of peripheral arterial disease, Research seminar presentation. Nebraska Redox Biology Center, University of Nebraska – Lincoln, Lincoln, NE November 9, 2006,
108. **Pipinos II.** Skeletal Muscle Mitochondrial Dysfunction and Oxidative Stress in Patients with Peripheral Arterial Disease, Research seminar presentation. Department of Cellular and Integrative Physiology, University of Nebraska Medical Center, Omaha, NE, January 19, 2007,
109. Fruehling ER, Casale GP, Sharma M, Nella A, Hemstreet GP, **Pipinos II.** Analysis of Oxidative Stress in Peripheral Arterial Disease by Simultaneous Quantification of Mitochondrial Superoxide Dismutase and 4-Hydroxy-2-Nonenal Adducts in Individual Myocytes of Muscle Biopsies. Poster presentation at the 11th Annual UNMC Cardiovascular Research Symposium, Omaha, Nebraska 2/2/07
110. **Pipinos II.** State of the art management of the patient with carotid bifurcation stenosis. Grand Rounds presentation, Department of Surgery, University of Nebraska Medical Center, Omaha, NE, March 14, 2007
111. **Pipinos II.** Mitochondriopathy of Chronically Ischemic Muscle. 2007 Research Initiatives Conference, April 10-11, 2007, Washington, D.C.
112. Arya S, Garg N, Longo GM, Johanning JM, Lynch GT, **Pipinos II.** Endovascular treatment of carotid artery stenosis compared with carotid endarterectomy: evidence from current prospective randomized and non-randomized controlled trials. **Winner 1st place award** in the Residents competition. Rochester Vascular 2007: What's New in Vascular Medicine, Surgery, and Interventional Care, Rochester, New York, May 4-6, 2007.
113. **Pipinos II.** State of the art management of the patient with carotid bifurcation stenosis. Grand Rounds presentation, Department of Family Medicine, University of Nebraska Medical Center, Omaha, NE, July 11, 2007.
114. Myers S, Stergiou N, **Pipinos II,** Johanning J, and Kochi N. 2007. Peripheral arterial disease causes alterations in the variability of gait patterns. Proceedings of the 31st Annual Meeting of the American Society of Biomechanics. Stanford, California, pp in cd-rom.
115. Celis R, **Pipinos II,** Huisinga J, Longo GM, Lynch T, Stergiou N, Johanning J. Gait abnormalities are present prior to the onset of claudication in both young and old claudicants. Presented at the 62nd Annual Sessions of the Forum on Fundamental Surgical Problems, The American College of Surgeons 93rd Annual Clinical Congress, New Orleans, LA October 7-11, 2007. Abstract published in the Journal of the American College of Surgeons Volume 205, Issue 3, Supplement 1, pp. S1-S112 (September 2007)

116. **Pipinos II**. Skeletal Muscle Mitochondrial Dysfunction and Oxidative Stress in Patients with Peripheral Arterial Disease, Research seminar presentation. Department of Applied Physiology & Kinesiology, University of Florida, Gainesville, October 25, 2007
117. Radovic M, Huisinga J, Myers S, **Pipinos II**, Johanning J, and Chen S. (2007). Effects of vascular surgical treatment on peripheral arterial disease in gait. XXI Congress of the International Society of Biomechanics, Taipei, Taiwan.
118. Chen S, Huisinga J, Myers S, Radovic M, **Pipinos II**, Johanning J, Stergiou N. The effects of peripheral arterial disease on gait stability. (2007). XXI Congress of the International Society of Biomechanics, Taipei, Taiwan.
119. Wutzke C, Stergiou N, **Pipinos I**, Johanning JM, Threlkeld A. Gait adaptability in people with unilateral trans-tibial amputations in response to variable walking speed and body weight support. Presentation presented at: 2007 American Society for Biomechanics; 2007.
120. **Pipinos II**. State of the art management of the patient with carotid bifurcation stenosis. Grand Rounds presentation, Department of Internal Medicine, University of Nebraska Medical Center, Omaha, NE, November 9, 2007
121. Arya S, Garg N, Longo GM, Johanning JM, Lynch GT, **Pipinos II**. Endovascular treatment of carotid artery stenosis compared with carotid endarterectomy: evidence from current prospective randomized and non-randomized controlled trials. **Winner 1st place award** in the Residents competition. Nebraska American College of Surgeons, Omaha, NE, November 15, 2007
122. Celis R, Huisinga J, **Pipinos II**, Longo GM, Lynch T, Stergiou N, Johanning J. Gait abnormalities are present prior to the onset of claudication in both young and old claudicants. Presented at the Residents competition. Nebraska American College of Surgeons, Omaha, NE, November 15, 2007
123. **Pipinos II**. The Myopathy of Peripheral Arterial Disease. Research Seminar, The Muscle Biology and Metabolism Group, The University of Texas Medical Branch, Galveston, Texas, November 26, 2007
124. Weiss DJ, Casale GP, Zhu Z, Swanson SA, Nella AA, Baxter BT, **Pipinos II**. Mitochondrial dysfunction and oxidative stress in a mouse model of chronically ischemic skeletal muscle
125. Oral presentation at the 3rd Annual Academic Surgical Congress, February 13-15, 2008, Huntington Beach, CA.
126. Arya S, Garg N, Johanning JM, Longo GM, Lynch TG, **Pipinos II**. Carotid endarterectomy and stenting: a meta-analysis of Current literature. Oral presentation at the 3rd Annual Academic Surgical Congress, February 13-15, 2008, Huntington Beach, CA.
127. **Pipinos II**, Judge AR, Zhu Z, Swanson SA, Selsby JT, Johanning JM, Baxter BT, Lynch TG, Dodd SL. Mitochondrial defects and oxidative damage in patients with peripheral arterial disease. SUS New Members Poster presentation at the 3rd Annual Academic Surgical Congress, February 13-15, 2008, Huntington Beach, CA.

128. Myers SA, Stergiou N, **Pipinos II**, Johanning JA, Kochi N. Gait variability is altered in peripheral arterial disease patients prior to the onset of pain Oral presentation at the 16th Congress of the European Society of Biomechanics, Lucerne, Switzerland July 6-9, 2008
129. Chen, S-J, Huisinga JM, Myers SA, Radovic M, **Pipinos II**, Johanning JA, Stergiou N (2007) The Effects of Peripheral Arterial Disease on Gait Stability. *Journal of Biomechanics*, 40, S41.
130. Myers SA, Stergiou N, **Pipinos II**, Johanning JA, Kochi N. PAD causes alterations in the variability of gait patterns. Proceedings of the 2007 American Society of Biomechanics Annual Meeting, Stanford, California, Cd-Rom #63.
131. **Pipinos II**. Carotid stenting in 2008, remaining obstacles, Invited presentation at the Society for Vascular Surgery 2008 Research Initiatives in Vascular Disease Conference, April 10-11, 2008 Washington, DC
132. Johanning JM, Celis RI, Myers SA, **Pipinos II**, Radovic M, Stergiou N, Chen SJ, Keller B, Potter J. Significant Reduction in Performance of Timed Up and Go in both Young and Elderly Patients with Symptomatic Peripheral Arterial Disease: Implications for Research and Clinical Practice. Presentation presented at: American Geriatrics Society Annual Meeting, April 30-May 4, 2008.
133. Chen S-J, Makris KI, Karagiorgos N, **Pipinos II**, Johanning JM, Radovic M, Huisinga JM, Myers SA, Stergiou N. Bilateral intermittent claudication results in alterations in the gait biomechanics at the hip and ankle joints during gait. Oral presentation at the 23rd World Congress of the International Union of Angiology, June 21-25, 2008, Athens, Greece.
134. Karagiorgos N, Garg N, Sohal DPS, Pisimisis G, Johanning JM, Longo GM, Lynch TG, **Pipinos II**. Cerebral protection devices reduce periprocedural strokes during carotid angioplasty and stenting. Oral presentation at the 23rd World Congress of the International Union of Angiology, June 21-25, 2008, Athens, Greece.
135. Nella AA, Swanson SA, Zhu Z, Weiss DJ, Gutti TL, McComb RD, Baxter BT, Lynch TG, and Casale GP, **Pipinos II**. Chronically ischemic mouse skeletal muscle exhibits myopathy in association with mitochondrial dysfunction and oxidative damage. Oral presentation at the 23rd World Congress of the International Union of Angiology, June 21-25, 2008, Athens, Greece.
136. **Pipinos II**. The Myopathy of Peripheral Arterial Disease. Invited Round Table presentation at the 23rd World Congress of the International Union of Angiology, June 21-25, 2008, Athens, Greece.
137. Kamenskiy AV, **Pipinos II**, Desyatova AS, Salkovskiy YE, Kossovich LY, Kirillova IV, Bockeria LA, Morozov KM, Polyayev VO, Lynch TG, Dzenis YA. Finite Element Model of the Endarterectomized and Patched Human Carotid Bifurcation. Oral poster presentation at the 32nd Annual Meeting of the Midwestern Vascular Surgical Society, September 11-13, 2008 Madison, WI.
138. Johanning JM, **Pipinos II**, Celis R, Myers SA, Koutakis P, Stergiou N. Quantification of Reduced Power Output during Ambulation for Affected and Non-affected Limbs in Patients with

Unilateral Claudication. Oral presentation at the 32nd Annual Meeting of the Midwestern Vascular Surgical Society, September 11-13, 2008 Madison, WI.

139. Myers SA, Stergiou N, **Pipinos II**, Johanning JM, Karagiorgos N, Makris K, Blanke D, Chen S-J. Gait variability is altered in peripheral arterial Disease patients prior to the onset of pain. Oral presentation at the 23rd World Congress of the International Union of Angiology, June 21-25, 2008, Athens, Greece.
140. **Pipinos II**. The Myopathy of Peripheral Arterial Disease. Visiting Professor Research Seminar, Department of Medicine, University of Crete School of Medicine, Crete, Greece, June 26, 2008
141. **Pipinos II**. State of the art management of the patient with carotid bifurcation stenosis. Visiting Professor presentation, Department of Surgery, University of Crete School of Medicine, Crete, Greece, June 27, 2008
142. **Pipinos II**. Mitochondriopathy and Oxidative stress in Peripheral Arterial Disease. Visiting Professor Grand Rounds, Department of Surgery, University of Athens School of Medicine, Athens, Greece, October 24, 2008
143. Kasotakis G, **Pipinos II**. Aspirin resistance: Current evidence and clinical implications. Grand Rounds presentation. Department of Surgery, Creighton University Medical Center, Omaha, NE, February 16, 2009
144. **Pipinos II**. The Myopathy of Peripheral Arterial Disease. Visiting Professor, Research Seminar, Division of Vascular Surgery, The University of California in San Francisco, San Francisco, California, March 9, 2009
145. Weiss DJ, **Pipinos II**, Longo GM, Lynch TG, Rutar F, Johanning JM. Direct and indirect measurement of patient radiation exposure during endovascular aneurysm repair, Presented at the Nebraska Chapter of American College of Surgeons Annual Meeting, Omaha, NE, March 7, 2009
146. Weiss DJ, Casale GP, Zhu Z, Swanson SA, Nella AA, Fruehling ER, **Pipinos II**. Oxidative damage in myofibers of the gastrocnemius of patients with Peripherals artery disease, determined by quantitative fluorescence microscopy, Presented at the Arteriosclerosis, Thrombosis, and Vascular Biology Annual Conference 2009, Washington DC, May 1, 2009
147. **Pipinos II**, Invited discussant, The American College of Surgeons 95th Clinical Congress, October 11-15, 2009, Chicago, IL. Title of paper discussed: Exercise Induces a Systemic Inflammatory Response with and without Chronic Unilateral Hind-Limb Ischemia. RS Crawford, H Albadawi, A Robaldo, M Peck, C Abularrage, G LaMuraglia, M Conrad, V Patel, M Watkins, Massachusetts General Hospital, Boston, MA
148. Arya S, **Pipinos II**, Garg N, Johanning JM, Lynch TG and Longo GM. Comparison of Carotid Artery Angioplasty and Stenting and Carotid Endarterectomy: A Systemic Review and Meta-Analysis of 30-day and Long-term Outcomes. Poster presentation at the 33rd Annual Meeting of the Midwestern Vascular Surgical Society, September 10-12, 2009 Chicago, IL. **Winner of the 2009 MWVS poster award.**

149. Kamenskiy AV, Dzenis YA, Lynch TG, Johanning JM, Longo GM, and **Pipinos II**. In Vivo Mechanical and Flow Properties of the Human Carotid. Oral presentation at the 33rd Annual Meeting of the Midwestern Vascular Surgical Society, September 10-12, 2009 Chicago, IL.
150. Weiss DJ, Casale GP, Swanson SA, Nella AA, Zhu Z, Fruehling ER and **Pipinos II**. Fiber Type-Specific Oxidative Damage in the Gastrocnemius of Patients with Peripheral Arterial Disease. Oral presentation at the 33rd Annual Meeting of the Midwestern Vascular Surgical Society, September 10-12, 2009 Chicago, IL.
151. Kamenskiy AV, **Pipinos II**, Desyatova AS, Salkovskiy YE, Kossovich LY, Kirillova IV, Bockeria LA, Morozov KM, Polyaev VO, Lynch TG, Dzenis YA. Finite Element Model of the Endarterectomized and Patched Human Carotid Bifurcation. Oral poster presentation at the Nebraska EPCOR Sep 29 2009.
152. Kamenskiy AV, Dzenis YA, **Pipinos II**. Finite Element Model of the Patched Human Carotid. Technical presentation on the ASME International Mechanical Engineering Congress and Exposition. Nov 13-19, Lake Buena Vista, Florida. IMECE2009-11713. 2009
153. Bochkarev V, **Pipinos II**, MacTaggart JN. Antegrade mesenteric bypass with bifurcated greater saphenous vein: a final option for chronic mesenteric ischemia after failed angioplasty and stenting. Oral presentation at the Southwestern Surgical Congress 62nd Annual Meeting, March 21-24, 2010, Tucson, AZ.
154. Gupta PK, Gupta H, Miller WJ, Lynch TG, MacTaggart JN, Johanning JM, Longo GM, **Pipinos II**; Predictors of Cardiac Events after Major Vascular Surgery. Quick shot oral presentation at the 5th Annual Academic Surgical Congress, February 3 - 5, 2010, San Antonio, Texas
155. Johanning JM, Myers SA, **Pipinos II**, Stergiou N; Vascular Occlusion Changes Gait Variability Patterns of Young Individuals. Quick shot oral presentation at the 5th Annual Academic Surgical Congress, February 3 - 5, 2010, San Antonio, Texas
156. Kamenskiy AV, Dzenis YA, Desyatova AS, Lynch TG, MacTaggart JN, **Pipinos II**; Toward Optimal Hemodynamics in the Endarterectomized Carotid: A Finite Element Study. Quick shot oral presentation at the 5th Annual Academic Surgical Congress, February 3 - 5, 2010, San Antonio, Texas
157. Gupta PK, Gupta H, Miller WJ, Johanning JM, Lynch TG, MacTaggart JN, Longo GM, **Pipinos II** Corticosteroid Use, Symptomatic Status, and Smoking Are Associated with Stroke after Carotid Surgery in the ACS NSQIP. Quick shot oral presentation at the 5th Annual Academic Surgical Congress, February 3 - 5, 2010, San Antonio, Texas
158. **Pipinos II**. The Myopathy of Peripheral Arterial Disease. Visiting Professor, Division of Vascular Surgery, Oregon University of Health Sciences, Portland, Oregon, February 19, 2010
159. **Pipinos II**. The Myopathy of Peripheral Arterial Disease. Visiting Professor, Department of Surgery, The University of Chicago, Chicago, Illinois, February 24, 2010

160. **Pipinos II.** The Myopathy of Peripheral Arterial Disease. Grand Rounds presentation. Department of Surgery, University of Nebraska Medical Center, March 17, 2010
161. **Pipinos II.** Claudicants Have a Myopathy: What Can We Do About It? Faculty presenter. The University of California in San Francisco Vascular Symposium 2010, San Francisco, California, April 15-17, 2010
162. **Pipinos II.** But, Can CAS be Made Safer? Flow Reversal and Newer Stents. Faculty presenter. The University of California in San Francisco Vascular Symposium 2010, San Francisco, California, April 15-17, 2010
163. **Pipinos II.** The Myopathy of Peripheral Arterial Disease. Visiting Professor, Department of Surgery, Emory University, Atlanta, Georgia, May 3, 2010
164. **Pipinos II.** Mitochondrial dysfunction, Oxidative damage and inflammation in claudication. Grand Rounds presentation. Department of Neurosciences, University of Nebraska Medical Center, May 13, 2010
165. **Pipinos II.** Case scenarios in the care of the patient with carotid disease. Faculty presenter, Preparation Course for the European Board of Vascular Surgery Examination. LIVE 2010 - Leading Innovative Vascular Education. International Vascular Surgery symposium, May 27-30, 2010, Corfu, Greece.
166. **Pipinos II.** What does "high-risk" for carotid endarterectomy really means? Faculty presenter, cerebrovascular disease session. LIVE 2010 - Leading Innovative Vascular Education. International Vascular Surgery symposium, May 27-30, 2010, Corfu, Greece.
167. Arya S, **Pipinos II**, Waltke EA, Wattenhofer SP, Baxter BT. Proximal Vertebral Artery Disease: Surgical Reconstruction or Stenting? Poster presentation at the 2010 Vascular Annual Meeting of the Society for Vascular Surgery, June 9-13, 2010 Boston, MA.
1st place in the poster competition in the Cerebrovascular Category by mentored surgery resident Shipra Arya.
168. Miserlis D, **Pipinos II**, Naganathan GK, Cluff K, Subbiah J, Weiss DJ, Swanson SA, Zhu Z, Shamal A, Casale GP. Morphometric Analysis Of Calf Muscle Biopsies From Patients With Peripheral Arterial Disease Provides Objective Criteria For Disease Diagnosis And Progression. Oral presentation at the 2010 Scientific Meeting of the Midwestern Vascular Society, September 9-11, Indianapolis, Indiana.
169. Kamenskiy AV, Dzenis YA, MacTaggart JN, Johanning JM, Longo GM, Lynch TG, **Pipinos II.** Biaxial Mechanical Properties of the Human Carotid Artery and Materials Used For Patch Angioplasty. Oral presentation at the 2010 Scientific Meeting of the Midwestern Vascular Society, September 9-11, Indianapolis, Indiana
170. Huben NB, Yentes JM, Myers SA, **Pipinos II**, Stergiou N, Johanning JM. Spatial and Temporal Gait Parameters are not improved after Revascularization in Symptomatic Peripheral Arterial Disease Patients. Oral presentation at the 2010 Scientific Meeting of the Midwestern Vascular Society, September 9-11, Indianapolis, Indiana

171. **Pipinos II.** Imaging Biomarkers in Peripheral Arterial Disease. Grand Rounds presentation, Department of Radiology, University of Nebraska Medical Center, September 15, 2010
172. **Pipinos II.** The myopathy of Peripheral Arterial Disease. Grand Rounds presentation, Good Samaritan Hospital, Kearney, Nebraska, December 3, 2010
173. **Pipinos II.** The myopathy of Peripheral Arterial Disease. Grand Rounds presentation, Division of Cardiology, Creighton University Medical Center, Omaha, Nebraska, December 13, 2010
174. Westcott JM, Wurdeman SR, Myers SA, Stergiou N, **Pipinos II**, Johanning JM. Location of Claudication Pain Does Not Accurately Reflect Gait Impairment in PAD Patients. Oral presentation at the 2011 Academic Surgical Congress, February 1-3, 2011, Huntington Beach, California
175. Carlson MA, Velandar WH, **Pipinos II**, Johanning JM, Calcaterra J. A Totally Recombinant Factor XIII-Supplemented Fibrin Sealant. Oral presentation at the 2011 Academic Surgical Congress, February 1-3, 2011, Huntington Beach, California
176. **Pipinos II.** Is Endovascular Repair Now the Gold Standard Iraklis I. Pipinos, MD for Traumatic Aortic Transection? Hot Topic Symposia on Vascular and Tissue-Based Cancer Care. Oral presentation at the 2011 Academic Surgical Congress, February 1-3, 2011, Huntington Beach, California.
177. Gupta PK, Natarajan B, Gupta H, Fang X, Balters M, Johanning JM, Lynch TG, Longo GM, MacTaggart JN, **Pipinos II.** Suprarenal Abdominal Aortic Aneurysm: Which Patients Would Benefit More From Fenestrated Endograft Rather Than Open Repair? Poster presentation at the 2011 Vascular Annual Meeting, June 16-18, Chicago, IL.
178. Gupta PK, Natarajan B, Gupta H, Fang X, Balters M, Johanning JM, Lynch TG, Forse RA, Longo GM, MacTaggart JN, **Pipinos II.** Contemporary Outcomes Following Endovascular versus Open Repair of Abdominal Aortic Aneurysm. Poster presentation at the 2011 Vascular Annual Meeting, June 16-18, Chicago, IL.
179. Gupta PK, Natarajan B, Reddy YM, Gupta H, Balters M, Johanning JM, Lynch TG, Longo GM, MacTaggart JN, **Pipinos II.** Open Revascularization for Chronic Mesenteric Ischemia. Poster presentation at the 2011 Vascular Annual Meeting, June 16-18, Chicago, IL.
180. Gupta PK, Natarajan B, Reddy YM, Gupta H, Balters M, Johanning JM, Lynch TG, Forse AR, Longo GM, MacTaggart JN, **Pipinos II.** Thirty Day Outcomes Following Brachiocephalic and Brachio basilic Arteriovenous Fistula Formation: National Benchmarks for Standard of Care. Poster presentation at the 2011 Vascular Annual Meeting, June 16-18, Chicago, IL.
181. **Pipinos II.** Mitochondrial dysfunction, oxidative damage and inflammation in Peripheral Arterial Disease. Grand Rounds presentation, Division of Nephrology, University of Nebraska Medical Center, August 18, 2011

182. **Pipinos II.** Mitochondrial dysfunction, oxidative damage and inflammation in Peripheral Arterial Disease. Research Seminar presentation, Department of Cellular and Integrative Physiology, University of Nebraska Medical Center, September 2, 2011
183. Gupta PK, Natarajan B, Gupta H, Fang X, Balters M, Johanning JM, Lynch TG, Longo GM, MacTaggart JN, **Pipinos II.** Endovascular Repair of Abdominal Aortic Aneurysm does not improve survival versus Open Repair in Patients Sixty Years or Younger. Oral presentation at the 35th Annual Meeting of the Midwestern Vascular Surgical Society, September 15-17, 2011, Chicago, IL.
184. Kamenskiy Av, Dzenis YA, MacTaggart JN, Lynch TG, Kazmi JSA, **Pipinos II.** Nonlinear Mechanical Behavior of the Common, External and Internal Carotid Arteries in Vivo. Oral presentation at the 35th Annual Meeting of the Midwestern Vascular Surgical Society, September 15-17, 2011, Chicago, IL.
185. Gupta PK, Natarajan B, Gupta H, Fang X, Balters M, Johanning JM, Lynch TG, Longo GM, MacTaggart JN, **Pipinos II.** Suprarenal Abdominal Aortic Aneurysm: Which Patients Would Benefit More From Fenestrated Endograft Rather Than Open Repair? Poster presentation at the 35th annual Meeting of the Midwestern Vascular Surgical Society, September 15-17, 2011, Chicago, IL.
186. Kamenskiy AV, **Pipinos II,** MacTaggart JN, Dzenis YA. Nonlinear Coupled Modeling of Patched Carotids: Towards Biomechanics-Assisted Optimization of Grafts and Surgery Interventions. . Oral presentation. 4th International Conference on the Mechanics of Biomaterials and Tissues, Big Island, Hawaii, December 11-15, 2011.
187. Kamenskiy AV, **Pipinos II,** MacTaggart JN, Dzenis YA. Comparative Analysis of Strain-Based and Invariant-Based Soft Tissue Constitutive Models: Experimental Evaluation of Predictive Capabilities. Oral presentation. 4th International Conference on the Mechanics of Biomaterials and Tissues, Big Island, Hawaii, December 11-15, 2011.
188. Kamenskiy AV, **Pipinos II,** MacTaggart JN, Dzenis YA. Evaluation of Predictive Capabilities of Fung-Type and Structurally-Motivated Constitutive Models for Describing the Complex Mechanical Behavior of Soft Tissues. Oral presentation, 48th Annual Technical Conference of Society of Engineering Sciences, Evanston, Illinois, October 12-14, 2011.
189. **Pipinos II.** The myopathy of Peripheral Arterial Disease. Invited speaker, Hot Topics in Life Sciences on Topic: Advances in Adult Stem Cell Therapy in Tissue Repair for Cardiovascular Diseases. Organized by: The New York Academy of Sciences, New York, NY, November 30, 2011
190. Grossman L, Gupta PK, Ramanan B, MacTaggart JN, Baxter BT, Fang X, Lynch TG, Pipinos II. Aortic Surgery for Aortic Graft Infections: Defining National Benchmarks for Standards of Care. Oral presentation. 36th Annual Meeting of the Midwestern Vascular Surgical Society, September 6-8, 2012, Milwaukee, WI.
191. Ramanan B, Gupta PK, Lynch TG, Gupta H, Longo GM, MacTaggart JN, Baxter BT, Johanning JM, Pipinos II. In-Hospital and Post-Discharge Venous Thromboembolism after

Vascular Surgery. Oral presentation. 36th Annual Meeting of the Midwestern Vascular Surgical Society, September 6-8, 2012, Milwaukee, WI.

192. Thompson JR, Swanson SA, Haynatzki G, Casale GP, Johanning JM, Papoutsi E, Koutakis P, Miserlis D, Zhu Z, Pipinos II. Protein and Mitochondrial Content in the Gastrocnemius Predicts Mortality Rates in Patients with Peripheral Arterial Disease. Poster presentation. 36th Annual Meeting of the Midwestern Vascular Surgical Society, September 6-8, 2012, Milwaukee, WI. 1st place in the poster competition by mentored surgery resident Jonathan R. Thompson
193. Thompson JR, Swanson SA, Haynatzki G, Casale GP, Johanning JM, Papoutsi E, Koutakis P, Miserlis D, Zhu Z, Pipinos II. Protein and Mitochondrial Content in the Gastrocnemius Predicts Mortality Rates in Patients with Peripheral Arterial Disease. Oral presentation, Surgical Forum. 2012 Annual Clinical Congress of the American College of Surgeons, September 30-October 4, 2012, Chicago, IL.
194. Sundaram A, Gupta P, Ramanan B, MacTaggart JN, Longo M, Johanning JM, Forse A, Balters M, Lynch TG, Pipinos II. Impact of Renal Function on Outcomes after Elective Endovascular Abdominal Aortic Aneurysm Repair. Oral presentation, Surgical Forum. 2012 Annual Clinical Congress of the American College of Surgeons, September 30-October 4, 2012, Chicago, IL.
195. Kamenskiy AV, Bikhchandani J, Pipinos II, Gupta PK, Dzenis YA, MacTaggart JN. Geometric and Hemodynamic Effects Of Carotid Artery Stenting. Oral presentation, Surgical Forum. 2012 Annual Clinical Congress of the American College of Surgeons, September 30-October 4, 2012, Chicago, IL.
196. Gupta P, Ramanan B, Sundaram A, MacTaggart JN, Fang X, Balters M, Longo M, Lynch TG, Johanning JM, MacTaggart JN, Pipinos II. Risk Index for Predicting Perioperative Stroke or Death Risk in Asymptomatic Patients undergoing Carotid Endarterectomy. Oral presentation, Scientific Papers Sessions. 2012 Annual Clinical Congress of the American College of Surgeons, September 30-October 4, 2012, Chicago, IL.
197. Koutakis P, Casale GP, Miserlis D, Thompson JR, Papoutsi E, Duy HM, Swanson SA, Zhu Z, Pipinos II. Association of Increased PTEN-Induced Putative Kinase 1 (PINK1) Expression and Oxidative Damage in Gastrocnemius Myofibers of Patients with Peripheral Arterial Disease. Poster presentation, American Heart Association, Scientific Sessions 2012, November 4-7, Los Angeles CA.
198. Pipinos II. Invited presentation: The Myopathy Of Peripheral Arterial Disease. Cell and Molecular Physiology Seminar Series, November 16, 2012, Loyola University, Chicago, IL.
199. Pipinos II. Invited presentation: Targetting The Myopathy In Translational Studies Of Peripheral Arterial Disease. Concurrent Session at the Arteriosclerosis, Thrombosis and Vascular Biology 2013 Scientific Sessions. Dolphin Hotel, May 1-3, 2013, Orlando, FL.
200. **Pipinos II.** It's Not Just Blood Flow: Muscle Changes with Claudication and the Implications for Rehabilitation. Faculty presenter. The University of California in San Francisco Vascular Symposium 2014, San Francisco, California, April 3-5, 2014

201. **Pipinos II.** Outcomes for Endovascular Treatment of Popliteal Aneurysms are Similar to Open Repair Faculty presenter. The University of California in San Francisco Vascular Symposium 2014, San Francisco, California, April 3-5, 2014
202. Pipinos II. Invited Presentation: Hemodynamics dictate the type of Arteriotomy closure after Carotid Endarterectomy. Leading Innovative Vascular Education LIVE 2013, May 23-25, 2013, Thessaloniki, Greece.
203. Pipinos II. Invited Presentation: Myopathy of peripheral arterial disease: New data and clinical applications. Leading Innovative Vascular Education LIVE 2013, May 23-25, 2013, Thessaloniki, Greece.
204. Pipinos II. Invited presentation: The role of mitochondrial adaptation as a mechanism of claudication functional improvement. Cardiovascular Seminar entitled New Insights into the Medical Management of Intermittent Claudication; A Mechanistic Perspective on Current and Emerging Therapies. American Heart Association 2013 Scientific Sessions. November 16-20, 2013, Dallas, Texas.
205. Thompson JR, Swanson SA, Haynatzki G, Casale GP, Johannig JM, Papoutsi E, Koutakis P, Miserlis D, Zhu Z, Pipinos II. Mortality Rates of Patients with Peripheral Arterial Disease Are Predicted by the Respiratory Activities of Gastrocnemius Mitochondrial Complexes I and IV. Oral presentation, The Surgical Forum, Clinical Congress 2013 of the American College of Surgeons, October 6-10, 2013, Washington, DC
- Winner: Excellence in Research Award for the category of Vascular Surgery by mentored surgery resident Jonathan Thompson.
206. Pipinos II. The Role of Mitochondrial Adaptation as a Mechanism of Claudication Functional Improvement. Invited presentation in the Cardiovascular Seminar: New Insights into the Medical Management of Intermittent Claudication. American Heart Association, Scientific Sessions 2013, November 16-20, Dallas, TX
207. Pipinos II. Overview and discussion of papers presented in the session "Peripheral Arterial Disease, Myopathy, Lipid and Cellular Modulation". American Heart Association, Scientific Sessions 2013, November 16-20, Dallas, TX
208. Papoutsi E, Casale GP, Koutakis P, Myers S, Thompson JR, Ha DM, Swanson SA, Zhu Z, Kim K-S, Wurdeman S, Johannig JM, McComb RD, Pipinos II. Revascularization Improves the Myopathy, Hemodynamics and Function of the Limbs of Patients With Peripheral Arterial Disease. Oral Presentation, American Heart Association, Scientific Sessions 2013, November 16-20, Dallas, TX
209. Koutakis P, Pipinos II, Cluff K, Thompson JR, Ha DM, Papoutsi E, Swanson SA, Zhu Z, Kim K-S, Myers S, Wurdeman S, Stergiou N, Johannig JM, McComb RD, Casale GP. Abnormal Morphology of Skeletal Muscle Myofibers Is Associated With Limb Dysfunction in Peripheral Arterial Disease Patients. Oral Presentation, American Heart Association, Scientific Sessions 2013, November 16-20, Dallas, TX

210. **Pipinos II.** Targetting The Myopathy In Translational Studies Of Peripheral Arterial Disease. Visiting Professor, Department of Surgery, Emory University, Atlanta, Georgia, January 7, 2014
211. Thompson JR, Swanson SA, Haynatzki G, Casale GP, Johanning JM, Papoutsis E, Koutakis P, Miserlis D, Zhu Z, Pipinos II. Mortality Rates of Patients with Peripheral Arterial Disease Are Predicted by the Respiratory Activities of Gastrocnemius Mitochondrial Complexes I and IV. Oral presentation, Vascular Research Initiatives Conference, April 30, 2014, Toronto, Ontario.
- Winner: SVS Foundation travel scholarship to mentored surgery resident Jonathan Thompson to attend the Vascular Research Initiatives Conference and the Arteriosclerosis, Thrombosis and Vascular Biology meeting and present his ACS-award winning work
212. Increased Expression of Transforming Growth Factor-Beta 1 in the Gastrocnemius of Patients with Peripheral Artery Disease is a Localized Response in the Ischemic Muscle. Ha DM, Carpenter LA, Casale GP, Kim JK, Swanson SA, Koutakis P, Papoutsis E, Pipinos II. Oral presentation, Arteriosclerosis, Thrombosis and Vascular Biology/ Peripheral Vascular Disease, Scientific Sessions 2015, May 7-9, 2015, San Francisco, California.
213. Lower Limb Revascularization of Patients with Peripheral Artery Disease Reduces Human Enterovirus Infection of the Gastrocnemius. Kim J, Casale GP, Zhu Z, Swanson SA, Koutakis P, Pipinos II Oral Presentation, Vascular Research Initiatives Conference, May 6, 2015, San Francisco, CA
214. Biomarkers of Muscle Damage in Patients with Peripheral Artery Disease. Cluff K, Mehraein H, Howard K, Koutakis P, Casale GP, Pipinos II, Subbiah J. Poster presentation, Arteriosclerosis, Thrombosis and Vascular Biology/ Peripheral Vascular Disease, Scientific Sessions 2015, May 7-9, 2015, San Francisco, California.
215. Irregular Distribution and Accumulation of Desmin in Gastrocnemius Myofibers in Association With Abnormal Myofiber Morphology and Impaired Limb Function in a Mouse Model of Chronic, Hindlimb Ischemia. Koutakis P, Swanson SA, Zhu Z, Papoutsis E, Miserlis D, Kyung JKS, Pipinos II, Casale GP. Poster presentation, Arteriosclerosis, Thrombosis and Vascular Biology/ Peripheral Vascular Disease, Scientific Sessions 2015, May 7-9, 2015, San Francisco, California.
216. Effects of Demographics and Clinical Risk Factors on Human Femoropopliteal Artery Histopathology. Kamenskiy A, Nusz S, Hunter W, Desyatova A, Ruhlman M, Pipinos II, MacTaggart JN. presentation, Arteriosclerosis, Thrombosis and Vascular Biology/ Peripheral Vascular Disease, Scientific Sessions 2015, May 7-9, 2015, San Francisco, California.
217. Pipinos II. Myopathy of Peripheral Arterial Disease: A Translational Perspective. Visiting Professor, Department of Surgery, University of Missouri, Columbia, Missouri, April 16, 2015
218. Pipinos II. Myopathy of Peripheral Arterial Disease: A Translational Perspective. Travelling Fellow Midwestern Vascular Surgery Society. Department of Medicine, Northwestern University, May 1, 2015

219. Pipinos II. Peripheral Arterial Disease: A Translational Perspective. Visiting Professor, Department of Vascular Surgery, Rigshospitalet and Department of Biomedical Sciences, University of Copenhagen, The Panum Institute, May 19-22, 2015, Copenhagen, Denmark
220. Pipinos II. Transcervical carotid stenting, how I am using proximal protection in my practice. Faculty member, W14 Hands-on Workshop: CAS Techniques Using Flow Reversal. 2015 Vascular Annual Meeting, June 17-21, 2015, Chicago IL.
221. Pipinos II. Revascularization for the Claudicating Patient: How Does It Change Walking Performance and Muscle Physiology? Invited oral presentation. 2015 Vascular Annual Meeting, June 17-21, 2015, Chicago IL.
222. Pipinos II. "Translational Research in Peripheral Arterial Disease". Presentation of the travelling fellow. Midwestern Vascular Surgical Society 2015.
223. Pipinos II. Pathogenesis of the limb manifestations and functional limitations in peripheral artery disease. Visiting Professor Grand Rounds, Department of Surgery, University of Florida. August 26, 2015.
224. Pipinos II. Pathophysiology of the limb manifestations and functional limitations in peripheral artery disease. Research Seminar, VA Nebraska and Western Iowa, February 5th, 2016, Omaha, NE.
225. Pipinos II. Filet or Ribeye- the Myopathy of Claudication. Faculty presenter. The University of California in San Francisco Vascular Symposium 2016, San Francisco, California, April 14-16, 2016
226. Pipinos II. Silk Road or Sow's Ear. Evidence, Rationale, and Technical Tips of Trans-Cervical Carotid Stenting. Faculty presenter. The University of California in San Francisco Vascular Symposium 2016, San Francisco, California, April 14-16, 2016
227. Pipinos II. Pathogenesis of peripheral artery disease. Grand Rounds, Department of Surgery, University of Nebraska Medical Center. April 20, 2016, Omaha, NE.
228. Ha D, Casale GP, Luis A, Harkins K, Huber R, Chengalasetty T, Hickman R, Hanna M, Swanson S, DeSpiegelaere H, Pipinos I. Revascularization but Not Supervised Exercise Therapy Prevents Progression of Fibrosis in the Gastrocnemius of Patients with Peripheral Artery Disease While Improving Limb Function. 2016 Vascular Research Initiatives Conference, May 4, 2016, Nashville, Tennessee.
229. Pipinos II. Peripheral Artery Disease: From Basic Mechanisms to Targeted Therapies. Special Lecture for the International Session by Japan Chapter of the Society for Vascular Surgery. The 44th Annual Meeting of the Japanese Society for Vascular Surgery, May 25-27, 2016. Tokyo, Japan
230. Pipinos II. Keynote Address: Does Exercise Always Improve Walking Performance and Muscle Physiology in Patients with Peripheral Artery Disease? Annual Meeting of the American College of Sports Medicine, World Congress on Exercise is Medicine. Highlighted Symposium – Controversial Exercise Applications to Disease Conditions. May 31 – June 4, 2016, Boston, MA

231. Pipinos II. New Insights in the Pathophysiology and Treatment of Peripheral Artery Disease. Visiting Professor Research Seminar, Division of Vascular Surgery, Duke University Medical Center. June 29, 2016.
232. Pipinos II. New Developments in our Basic Understanding of Peripheral Artery Disease. Visiting Professor Research Seminar, Department of Vascular Surgery, Wake Forest University Medical Center, August 19, 2016.
233. Schieber M, Hasenkamp RM, Stergiou N, Johanning JM, Pipinos II, Myers SA. Muscular Strength Characteristics at the Ankle Are Altered by Peripheral Artery Disease. Oral Presentation, Midwestern Vascular 2016, 40th Annual Meeting, September 8-10, 2016, Columbus, Ohio.
- Winner: The Charles C. Guthrie Award for the most outstanding Basic Research paper in vascular surgery by mentored graduate student Molly Schieber.
234. Hernandez H, Myers SA, Casale GP, DeSpiegelaere HK, Koutakis P, Ha DM, Papoutsi E, Mietus C, Kim JKS, Pipinos II. Intensity and Pattern of Daily Physical Activity of Claudicating Patients. Oral Presentation, Midwestern Vascular 2016, 40th Annual Meeting, September 8-10, 2016, Columbus, Ohio.
235. Pipinos II. Clinical and Translational Research in Peripheral Arterial Disease: Unmet Needs and Priority Questions. Leader in the Peripheral Arterial Disease Research Session of the Vascular Research Summit organized by the Vascular Cures organization. September 17, 2016, San Francisco, CA
236. Pipinos II. Myopathy of Peripheral Artery Disease: A Translational Perspective. Visiting Professor Research Seminar. The Diabetes and Obesity Institute of the Brody School of Medicine at East Carolina University, Greenville, NC, January 18, 2017.
237. Pipinos II. Peripheral Artery Disease: Defining the Path Forward. Invited presenter. The Iowa Heart Foundation, 26th annual Cardiovascular Today Conference on February 4, 2017, Des Moines, Iowa.
238. Porter TR, Xie F, Casale GP, Hernandez H, Mietus C, DeSpiegelaere H, Pipinos II. Microvascular Blood Flow Abnormalities in Patients With Peripheral Vascular Disease and Abnormal versus Normal Ankle Brachial Indices. Poster Presentation, American College of Cardiology's 66th Annual Scientific Sessions, March 17-19, 2017, Washington, DC
239. Pipinos II. I, Claudicant: How Wearables are Measuring and Managing our Way to a Better Republic. Invited presenter. 2017 DFCon Houston Diabetic Foot Global Conference, March 23-25, 2017. Houston, TX
240. Mietus CJ, Karvelis P, Lackner T, Hernandez H, DeSpiegelaere H, Xie F, Porter T, Pipinos II, Casale GP. Microvascular Response to Ramipril in Peripheral Artery Disease. 2017 Vascular Research Initiatives Conference, May 3, 2017, Minneapolis, MN.

241. Hernandez H, Schieber M, DeSpiegelaere HK, Brunette KE, Kim KS, Mietus C, Baker S, Myers S, Casale GP, Pipinos II. Calf Muscle Oxygen Saturation during Standardized Treadmill Testing in Patients with Intermittent Claudication. 2017 Vascular Research Initiatives Conference, May 3, 2017, Minneapolis, MN.
242. Takahashi KZ, Patterson JM, Papachatzis, N, Slivka DR, Myers SA, Kamenskiy AV, and Pipinos II. Foot biomechanics and thermoregulation: implications for tissue complications in diabetes and peripheral artery disease. Central Regional IDEa Conference, June 2017, Sioux Falls, SD, USA.
243. Schieber MN, Myers SA, Johanning JM, Senderling B, Baker S., Hernandez H, Pipinos II. Gait Is Improved but Not Restored in Peripheral Artery Disease Following Revascularization. Oral Presentation, Midwestern Vascular 2017, 41th Annual Meeting, September 7-9, 2017, Chicago, Illinois
- Winner: The D. Emerick Szilagyi award for the most outstanding clinical research paper in vascular surgery by mentored graduate student Molly Schieber.
244. Hernandez H, Schieber M, DeSpiegelaere HK, Brunette K, Kim JKS, Mietus C, Baker S, Myers SA, Casale GP, Pipinos II. Calf Muscle Oxygen Saturation and Ground Reaction Forces during walking in Patients with Peripheral Arterial Disease. Oral Presentation, Midwestern Vascular 2017, 41th Annual Meeting, September 7-9, 2017, Chicago, Illinois
245. Pipinos II. Leader in the Peripheral Arterial Disease Research Session of the Vascular Research Summit organized by the Vascular Cures organization. March 1, 2018, San Francisco, CA
246. Fuglestad M, Hernandez H, Ybay H, Schieber M, Brunette K, Gao Y, Hassan M, Myers S, Casale G, Pipinos II. Characterization of Peripheral Artery Disease Severity by Near-Infrared Spectroscopy, Oral Presentation, 32nd Annual Vascular Research Initiatives Conference. May 9, 2018, San Francisco, CA
247. Gao Y, Aravind S, Fuglestad M, Hansen C, Casale G, Carlson M, Pipinos II. Collateral Development in Swine after Ligation of Native Leg Arteries, Poster Presentation, 32nd Annual Vascular Research Initiatives Conference. May 9, 2018, San Francisco, CA
248. Mietus CJ, Lackner T, Karvelis P, Lambert N, Fuglestad M, Hernandez H, DeSpiegelaere H, Pipinos II, Casale G. Microvascular Pathology in Peripheral Artery Disease. Vascular Discovery: From Genes to Medicine. Poster Presentation, 32nd Annual Vascular Research Initiatives Conference. May 9, 2018, San Francisco, CA
249. Fuglestad M, Hernandez H, Ybay H, Schieber M, Brunette K, Gao Y, Hassan M, Myers S, Casale G, Pipinos II. Characterization of Peripheral Artery Disease Severity by Near-Infrared Spectroscopy, Poster Presentation, Vascular Discovery: From Genes to Medicine. Scientific Sessions 2018, May 10–12, 2018, San Francisco, CA
250. Gao Y, Aravind S, Fuglestad M, Hansen C, Casale G, Carlson M, Pipinos II. Collateral Development in Swine after Ligation of Native Leg Arteries, Poster Presentation, Vascular

Discovery: From Genes to Medicine. Scientific Sessions 2018, May 10–12, 2018, San Francisco, CA

251. Mietus CJ, Lackner T, Karvelis P, Lambert N, Fuglestad M, Hernandez H, DeSpiegelaere H, Pipinos II, Casale G. Microvascular Pathology in Peripheral Artery Disease. Poster Presentation, Vascular Discovery: From Genes to Medicine. Scientific Sessions 2018, May 10–12, 2018, San Francisco, CA

252. Mietus CJ, Lackner T, Karvelis P, Lambert N, Fuglestad M, Hernandez H, DeSpiegelaere H, Pipinos I, Casale G. Microvascular Pathology in Peripheral Artery Disease.
-American Physician Scientist Association National Meeting, April 20-22, 2018, Chicago, IL
And
-American Physician Scientist Association Midwestern Regional Meeting, January 13.d

Winner: First Place, Poster Presentation in the Epidemiology, Public Health, & Clinical Research Category, American Physician Scientist Association Midwestern Regional Meeting by mentored graduate student Constance Mietus.

253. Gao Y, Miserlis D, Garg N, Pipinos II. Novel Open Technique for Repair of Endograft Migration. Oral Presentation, Midwestern Vascular 2018, 42nd Annual Meeting, September 13-15, 2018, St. Louis, MO

254. Mietus CJ, Fuglestad MA, Lackner TJ, Willcockson GT, Karvelis P, Hernandez H, Gao Y, Brunette K, Despiegelaere H, Xie F, Porter T, Pipinos II, Casale GP. Microvascular Pathology Influences Walking Performance in Patients with Peripheral Artery Disease. Oral Presentation, 33rd Annual Vascular Research Initiatives Conference. May 13, 2019, Boston, MA

Winner: VRIC scholarship by mentored graduate student Constance Mietus.

255. Mietus CJ, Fuglestad MA, Lackner TJ, Willcockson GT, Karvelis P, Hernandez H, Gao Y, Brunette K, Despiegelaere H, Xie F, Porter T, Pipinos II, Casale GP. Microvascular Pathology Influences Walking Performance in Patients with Peripheral Artery Disease. Poster Presentation, VASCULAR DISCOVERY: From Genes to Medicine Scientific Sessions 2019. May 14-16, 2019, Boston, MA

Winner: Traveling scholarship by mentored graduate student Constance Mietus.

256. Fuglestad M, Hernandez H, Gao Y, Brunette K, DeSpiegelaere H, Casale GP, PipinosII. Claudication Distances and Muscle Oxygen Saturation Best Describe the Home Daily Activity of Claudicating Patients with Peripheral Artery Disease. Poster Presentation, VASCULAR DISCOVERY: From Genes to Medicine Scientific Sessions 2019. May 14-16, 2019, Boston, MA

257. Li S, Lackner T, Willcockson G, Shields C, Brunette K, Zhu Z, Kim J, Myers S, Williams M, Despiegelaere H, Pipinos II, Casale GP. Histopathological Study of Calf Muscle in Claudicating Patients with Peripheral Artery Disease, After Supervised Exercise Therapy. Poster Presentation, VASCULAR DISCOVERY: From Genes to Medicine Scientific Sessions 2019. May 14-16, 2019, Boston, MA

Winner: Traveling scholarship by mentored postdoctoral fellow Shuai Li.

258. Li S, Lackner T, Willcockson G, Shields C, Brunette K, Zhu Z, Kim J, Myers S, Williams M, Despiegelaere H, Pipinos II, Casale GP. Calf Muscle Damage in Claudicating Patients with Peripheral Artery Disease Treated with a Standard Prescription of Supervised Exercise Treadmill Training. 2019 Vascular Annual Meeting, June 12-15, 2019, Gaylord National Resort and Convention Center, National Harbor, MD
259. Pipinos II. Peripheral Artery Disease and Claudication: Molecular Mechanisms and Treatment. Research Seminar, Department of Surgery, Baylor Medical Center, June 18, 2019.
260. Pipinos II. Advances and new frontiers in the pathophysiology and treatment of Peripheral Artery Disease. Grand Rounds, Division of Cardiology Emory University Medical Center, November 11, 2019.
261. Pipinos II. Pathological Changes in Calf Muscle Associated with Standard Exercise Treadmill Therapy Suggest the Need to Reevaluate the form of Exercise Therapy for Claudicating Patients, AHA Scientific Sessions 2019, PVD Workshop: Skeletal Muscle Pathology and Regeneration in PAD, November 18, 2019, Philadelphia, PA.
262. Li S. Effects of Supervised Exercise Treadmill Training or Revascularization on Claudicating Patient Clinical Function and Calf Myopathy. The International Society for Applied Cardiovascular Biology (ISACB) Webinar series, August 12, 2020.
263. O'Neill-Castro Y, Cheung S, MacTaggart JN, Johanning JM, Siddique A, Pipinos II. Percutaneous Pedal Artery Access For Distal Perfusion In The Setting of Limb Ischemia Following VA ECMO Cannulation. Oral presentation. Vascular and Endovascular Surgery Society 2020 Virtual Annual meeting 2021

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MENTORED TRAINEES

High School Students

Ruby Hickman, Summer 2014, High School Alliance Program. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Undergraduate biomedical research track in the biochemistry program at the University of Pennsylvania.

Tanmayee Chengalasetty, Summer 2015, High School Alliance Program. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Student, College of law, University of Nebraska Lincoln.

Alicia Luis, 2015-2016, High School Alliance Program. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: High School Student, Omaha South Magnet High School, Omaha, NE. Alicia is the recipient of

1. The Children's Hospital & Medical Center's Preventing Childhood Obesity Community Scholarship and
2. The Susan T. Buffett Scholarship (full ride scholarship to any public institution in Nebraska).

Undergraduate Students

Kevin Harkins, Summer internship for college students, Summer 2015. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: College student, Northwestern Oklahoma State University

Reagan Huber, Summer internship for college students, Summer 2015. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: College student, Iowa State University

Manav Nirmalraj, 2016, College graduate from University of Nebraska Lincoln. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Technologist University of Nebraska Medical Center

Alicia Luis, UNO, 2016-2020, College student, Urban Health Opportunities Program, University of Nebraska Omaha. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Hourly employee University of Nebraska Medical Center

Greg Willcockson, 2017-2018 College graduate from University of Nebraska Lincoln. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Research Technologist, University of Nebraska Medical Center

Medical Students

Paul J. Cluff, MD, Summer of 2002 research scholarship Medical Student. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Staff Pediatrician, Banner Estrella Medical Center, Phoenix, AZ

Kathryn Honz, MD, Summer of 2003 research scholarship Medical Student. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Plastic Surgeon, Nebraska Methodist Hospital, Omaha, NE

Crystal D. Reyelts, MD, Summer of 2008 MD/PhD Summer Undergraduate Research Program. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Psychiatrist, Catholic Health Initiatives, Omaha, NE

Edward Powers, 2010 Lifeline Student Research Fellowship. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Staff Gynecologist, Baylor Scott and White

Rohan Khandalavala, MD, Summer of 2014 research stipend award for Medical Student. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center. Current position: ENT resident, The Ohio State University

Maria Podariu, Summer of 2017 research. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center. Current position: Internal Medicine resident, University of Nebraska Medical Center

Nicholas Lambert, 2017-2018 research. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center. Current position: Neurology resident, Baylor University

Vega Ware, 2017-2018, clinical shadowing. Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center. Current position: ENT resident, UT San Antonio Medical Center

Graduate Students

Melissa Scott-Pandorf, 2004-2005, member of the committee for Masters in Biomechanics, Department of Health, Physical Education, and Recreation, University of Nebraska at Omaha, Title of thesis: The effects of peripheral arterial disease on gait. Current position: Exercise Scientist at the NASA Johnson Space Center, Houston, Texas.

Cicely A. Washington, 2004-2005, member of the committee for Ph.D. in Biomedical Engineering, Department of Chemical Engineering, University of Nebraska at Lincoln, Title of thesis: Understanding endothelialization: Rate limitations in chemotaxis, adhesion and proliferation on acellular surfaces, Current position: Technical Leader-Principle Scientist at Abbott Molecular, Orange County, California

Eric M. Bachelder, PhD, 2004-2006, member of the committee for Ph.D. in Chemical Engineering, Department of Chemical Engineering, University of Nebraska at Lincoln, Title of thesis: Engineering and Immunology. A Synergetic Relationship. Current position: Research Scientist, College of Pharmacy, The Ohio State University, Columbus, Ohio

Dimitrios Katsavelis, 2006-2010, member of the committee for Ph.D. in Biomechanics, Departments of Surgery University of Nebraska Medical Center and Health, Physical Education, and Recreation, University of Nebraska at Omaha. Current position: Associate Professor, School of Physiotherapy, Creighton University Medical Center, Omaha, NE

Sara Myers, PhD, 2006-2010, member of the committee for Ph.D. in Biomechanics, Departments of Surgery University of Nebraska Medical Center and Health, Physical Education, and Recreation, University of Nebraska at Omaha. Title of thesis: The Effects Of Peripheral Arterial Disease On The Variability Present In Gait Patterns Current Position: Associate Professor, Department of Biomechanics, University of Nebraska at Omaha

Alexey Kamenskiy, PhD, 2007-2010, mentor and member of the committee for Ph.D. in Engineering Mechanics, Department of Engineering Mechanics, University of Nebraska-Lincoln, Lincoln NE. Title of thesis: Coupled Hemodynamics and Mechanics of the Repaired Human Carotid Artery. Current position: Professor and Chair, Department of Biomechanics, University of Nebraska at Omaha, Omaha, NE

Shane Wurdeman, 2009-2013, member of the committee for Ph.D, Departments of Environmental, Agricultural, & Occupational Health University of Nebraska Medical Center and Health, Physical Education, and Recreation, University of Nebraska at Omaha. Current Position: Shane Wurdeman Director of Clinical Research at Hanger, Inc. Houston, Texas Area Hospital & Health Care

Mina Hanna, Masters 2012-2014 in the Cellular and Integrative Physiology Department of the University of Nebraska Medical Center, Research Supervisor Fall 2014. Current position: Medical Student, University of Queensland, Australia.

Evlampia Papoutsis, Masters, 2011-2013, mentor and member of the committee for Masters in Cellular and Integrative Physiology, Department of Surgery, University of Nebraska Medical Center. Current position: Researcher, College of Human Sciences, Florida State University.

Panagiotis Koutakis, PhD, 2010-2015, mentor and chair of the committee for Ph.D. in Cellular and Integrative Physiology, Department of Surgery, University of Nebraska Medical Center. Current position: Assistant Professor, College of Human Sciences, Baylor University.

Duy Ha, MD/PhD student, 2012-2016, mentor and chair of the committee for Ph.D. in Cellular and Integrative Physiology, Department of Surgery, University of Nebraska Medical Center. Current position: Pathology Resident, University of Texas Southwestern Medical School, Dallas TX

Lori M. Lambert, PhD, 2012-2016, member of the committee for Ph.D. "Temporally and spatially resolved quantification of hemodynamics and endothelial mechanics", Departments of Mechanical Engineering & Applied Mechanics, School of Engineering University of Nebraska Lincoln. Current position: Principal Product Manager - Unanet A/E

Brian Lindegaard Pedersen 2013-2015, member of the committee for Ph.D, Department of Vascular Surgery, Rigshospitalet and Gentofte Hospital, and Department of Biomedical Sciences, University of Copenhagen, The Panum Institute, Copenhagen, Denmark. Current Position: Vascular Surgeon and Assistant Professor, Department of Vascular Surgery, Rigshospitalet of Copenhagen and University of Copenhagen.

Molly Schieber Masters, 2015-2017, member of the committee for Masters in Biomechanics, Department of Biomechanics, University of Nebraska Omaha. Current position: MD/PhD student, University of Nebraska Medical Center.

Constance Mietus, MD/PhD student, 2015-2019, co-mentor and co-chair of the committee for Ph.D. in Medical Sciences, Department of Surgery, University of Nebraska Medical Center. Current position: MD/PhD student, University of Nebraska Medical Center.

Shruthi Aravind, MD, PhD student 2015-2019, member of advisory committee for PhD program in Medical Sciences, Department of Surgery, University of Nebraska Medical Center.

Upasana Niyogi, PhD student, 2017-2020, member of the committee for Ph.D. in Medical Sciences, Department of Surgery, University of Nebraska Medical Center. Current position: PhD student, University of Nebraska Medical Center.

Junliang Qian, PhD student, 2018-2022, member of the committee for Ph.D. in Physiology, Department of Emergency Medicine, University of Nebraska Medical Center. Primary Mentor: Yulong Li, MD; Title of proposed work: Tourniquet Induced Skeletal Muscle Ischemia-Reperfusion Injury. Current position: PhD student, University of Nebraska Medical Center.

Riaz Ur Rehman Mohammed, PhD student, 2018-2022, member of the committee for Ph.D. in Physiology, Department of Medicine, University of Nebraska Medical Center. Primary Mentor: Yiannis Chatzizisis, MD; Title of proposed work: Role of hemodynamics and TREM-1 in atherosclerosis. Current position: PhD student, University of Nebraska Medical Center.

Molly Schieber MD/PhD student, 2019-2022, co-mentor and co-chair of the committee for PhD in Medical Sciences, Department of Surgery, University of Nebraska Medical Center. Title of PhD work: University of Nebraska Omaha. "Hypoxic/Oxidative Stress and Oxidative Damage in micro-vessels of the calf muscle of patients with Stage II Peripheral Artery Disease (PAD): Potential predictors of calf muscle pathology and response to intervention". Current position: MD/PhD student, University of Nebraska Medical Center.

Oliver Kitzerow 2020-2023, member of the committee for Ph.D. in Physiology, Department of Anesthesiology, University of Nebraska Medical Center. Primary Mentor: HanJun Wang, PhD; Title of proposed work: Muscle afferent neurons cause vasoconstriction within exercising muscle thereby inducing claudication and exercise intolerance. Current position: PhD student, University of Nebraska Medical Center.

Anaëlle Charles 2020-2023, member of the committee for Ph.D, Departments of Biomechanics, University of Nebraska at Omaha. Primary Mentor: Aaron Likens and Nick Stergiou, Title of proposed work: Relationship between cognitive activity and gait variability. Current position: PhD student, University of Nebraska Omaha.

Seyedeh Zahra Salamifar 2020-2023, member of the committee for Ph.D, Departments of Biomechanics, University of Nebraska at Omaha. Primary Mentor: Sara Myers, PhD; Title of proposed work: Biomechanics of PAD. Current position: PhD student, University of Nebraska Omaha.

Postdoctoral fellows

Aikaterini Nella, MD, 2006-2007, International Postdoctoral fellow, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center. Current position: Assistant Professor, Pediatric Endocrinology, Texas Children's Hospital

Dimitrios Miserlis, MD, 2009-2011, International Postdoctoral fellow, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center. Current position: Assistant Professor, Vascular Surgery, University of Texas Health Sciences Center at San Antonio, San Antonio, Texas

Anastasia Desyatova, PhD, 06/2015 – 06/2018, F32 mentored postdoctoral student. Project title: Computational tool to assess performance of the aortic trauma stent graft. Current position: Assistant Professor, Engineering and Biomechanics, University of Nebraska at Omaha.

Panagiotis Koutakis, PhD, 2015-2016, AHA postdoctoral fellowship mentored postdoctoral student. Project title: Supervised exercise therapy affects the myopathy and limb function of patients with peripheral artery disease. Current position: Assistant Professor Department of Biology Director of Clinical Muscle Biology Laboratory, Baylor University.

Shuai Li, MD, PhD, co-mentored (along with Dr. George Casale) postdoctoral student. Project title: "Different Outcomes after Revascularization or Standard Supervised Exercise Treadmill Training of Claudicating Patients with Peripheral Artery Disease". Current position: Instructor, University of Nebraska Medical Center, Omaha, NE

Cui Li, PhD, 2019-2021, co-mentored (along with Dr. Xiaowei Li) postdoctoral student. Project title: "Injectable Antioxidative Resilient Composite for Peripheral Arterial Disease Treatment". Mary and Dick Holland Regenerative Medicine Program, University of Nebraska Medical Center, Omaha, NE

Hafizur Rahman, PhD, 2019-2021, co-mentored (along with Dr. Sara Myers) postdoctoral student. Project title: Guiding exoskeleton implementation in patients with peripheral artery disease using musculoskeletal modeling. Department of Biomechanics, University of Nebraska at Omaha.

Residents

James T. Brunz, MD, 2003-2004, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Staff Anesthesiologist, Mercy Medical Center-Des Moines, IA

Pao Vang, MD, 2003-2005, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Staff otolaryngologist, Hudson Hospital & Clinic in Saint Paul, MN

Leon Robinson, MD, 2004-2005, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Surgeon, Jefferson City Medical Center, Jefferson City, MO

Chinh Pham, MD, 2004-2005, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Surgeon, Gettysburg Hospital, Gettysburg, Pennsylvania

Rajdeep Sandhu, MD, 2004-2005, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Vascular Surgeon, Heritage Valley Health System, Sewickley, Pennsylvania

Jason N. MacTaggart, MD, 2005-2006, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Assistant Professor, Vascular Surgery, University of Nebraska Medical Center, Omaha, NE

Matias Bruzoni, MD, 2005-2006, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Assistant Professor, Pediatric Surgery, Stanford University Medical Center, Stanford, CA

Rolando I. Celis, MD, 2005-2006, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Vascular Surgeon, Cardiovascular Group of Wentworth-Douglass Hospital, Dover, NH

Nitin Garg, MD, 2005-2009, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Assistant Professor, Vascular Surgery, University of Nebraska Medical Center, Omaha, NE

George T. Pisimisis, MD, 2005-2008, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Associate Professor, Department of Thoracic and Cardiovascular Surgery, Division of Surgery, The University of Texas MD Anderson Cancer Center, Houston, TX

Burjonrappa, Sathyaprasad, MD, 2005-2008, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Assistant Professor of Surgery and Pediatrics, Albert Einstein College of Medicine and Montefiore Medical Center, Bronx, NY

George Kasotakis, MD, 2008-2009, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Assistant Professor Acute Care Surgery, Department of Surgery, Boston University Medical Center

Konstantinos Makris, MD, 2006-2007, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Assistant Professor, Minimally Invasive and Endocrine Surgery, Baylor University Medical Center, Houston, Texas

Shipra Arya, MD, 2008-2010, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Associate Professor, Vascular Surgery, Stanford University, Palo Alto, California

Dustin Weiss, MD, 2007-2009, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Vascular Surgeon, Avera Heart Hospital, Sioux Falls, SD

Prateek K. Gupta, MD, 2009-2011, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Assistant Professor, Dept of Surgery, University of Tennessee Health Science Center Memphis, TN

Jonathan Thompson, MD, 2011-2013, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Assistant Professor, Vascular Surgery, University of Nebraska Medical Center, Omaha, NE

Bala Natarajan-Ramanan, 2010-2012, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Assistant Professor, Department of Surgery UT Southwestern Medical Center, Dallas, TX

Anjan Talukdar, 2012-2013, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Vascular Surgeon, Methodist Hospital, Omaha, NE

Lauren A. Carpenter, MD, 2013-2014, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Family Medicine Staff, Merced, California

Abhishek Sundaram, 2013-2016, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Vascular Surgery fellow, Cleveland Clinic Foundation, Cleveland, OH

Hernan Hernandez, 2015-2017, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Surgery resident University of Nebraska Medical Center, Omaha, NE

Matthew Fuglestad, 2017-2019, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Surgery resident University of Nebraska Medical Center, Omaha, NE

Yue (Ryan) Gao, 2017-2019, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Vascular Surgery fellow, University of South California, Los Angeles, CA

Sara Cartwright, 2019-2021, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: Surgery resident University of Nebraska Medical Center, Omaha, NE

Faculty Members

Jason N. MacTaggart, MD, 2009-2014, Assistant Professor of Surgery, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: R01 funded, Associate Professor, Vascular Surgery, University of Nebraska Medical Center, Omaha, NE

Alexey Kamenskiy, PhD, 2012-2014, Assistant Professor of Surgery, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center, Current position: R01 funded, Professor, Vascular Surgery, University of Nebraska at Omaha, Department of Biomechanics, Omaha, NE

Julian Kim, PhD, 2012-2016, Instructor of Surgery, Vascular Surgery research, Department of Surgery, University of Nebraska Medical Center. Current position: Instructor, Vascular Surgery, University of Nebraska Medical Center, Omaha, NE

Sara Myers, PhD, 2014-2019, Mentor in COBRE grant subaward titled: "Gait Variability in Patients with Peripheral Arterial Disease". Current Position: R01 funded, Associate Professor, Department of Biomechanics, University of Nebraska at Omaha

Kota Takahashi, PhD, 2015-2019, Mentor in COBRE grant subaward titled: "Push-Off Mechanics and Gait Variability in Persons with a Lower Limb Amputation", Current Position: Assistant Professor, Department of Biomechanics, University of Nebraska at Omaha

Philippe Malcolm, PhD, Mentor in COBRE grant submission titled: "Exoskeleton-facilitated therapy for improving gait stability in peripheral arterial disease patients", Current Position: Assistant Professor, Department of Biomechanics, University of Nebraska at Omaha

Song-Young Park, PhD, Mentor in COBRE grant submission titled: "Endothelial mitochondriopathy and attenuated microcirculation in swine peripheral artery disease model", Current Position: Assistant Professor School of Health and Kinesiology, College of Education, University of Nebraska at Omaha

Keely Buesing, MD, Member of Advisory committee for Department of Defense Grant titled: "Alternative Oxygen Carriers for Treatment of Severe ARDS". Current position: DoD funded, Assistant Professor, Trauma and Emergency General Surgery, University of Nebraska Medical Center, Omaha, NE

Xiaowei Li, PhD, Mentor in grant submission titled: “Injectable Antioxidative Resilient Composite for Peripheral Arterial Disease Treatment”. Current position: Assistant Professor, Mary and Dick Holland Regenerative Medicine Program, University of Nebraska Medical Center, Omaha, NE

Marian Urban, MD, Mentor in grant submission titled: “Optimization of in-situ heart reanimation during donation after circulatory death”. Current position: Assistant Professor, Cardiac Surgery, University of Nebraska Medical Center, Omaha, NE

Hafizur Rahman, PhD, Mentor in SPIRE grant submission titled: “Improving walking in peripheral artery disease using specially designed assistive shoes” Current Position: Instructor, Department of Biomechanics, University of Nebraska at Omaha