



American  
Heart  
Association®

life is why™



AMERICAN  
COLLEGE *of*  
CARDIOLOGY

ACR®  
AMERICAN COLLEGE OF  
RADIOLOGY

Working collaboratively to ensure  
appropriate care for the PAD patient



The Society for Cardiovascular  
Angiography and Interventions

Society of  
Interventional  
Radiology  
*The vision to heal™*

 Society for  
Vascular Medicine



VASCULAR  
INTERVENTIONAL  
ADVANCES

# Introductions by Kenneth Rosenfield, MD, MHCDS, MSCAI, President-elect, SCAI

POSSIBLE CONFLICTS OF INTEREST FOR Kenneth Rosenfield, MD, MHCDS, MSCAI, President-elect, SCAI

National Institutes of Health (Research support)

AngioDynamics (Consultant)

Bard (Research Support)

Primacea (Stock owner or Shareholder)

Micell (Consultant)

Medical Simulation Corp (Stock owner or Shareholder)

Contego (Stock owner or Shareholder)

Cordis (Grants or Research Support)

CardioMEMs (Stock owner or Shareholder)

IDEV (Grants or Research Support)

PQ Bypass (Stock owner or Shareholder)

Abbott Vascular (Consultant, Grants , Research Support)

Shockwave Medical (Stock owner or Shareholder)

Micell (Stock owner or Shareholder)

Medicines Company (Consultant)

Endospan (Stock owner or Shareholder)

VIVA Physicians (Advisory Board / Board Member)

Icon (Stock owner or Shareholder)

Endospan (Consultant)

Shockwave Medical (Consultant)

JanaCare (Stock owner or Shareholder)

Vortex (Stock owner or Shareholder)

Lutonix/Bard (Grants or Research Support)

Atrium (Grants or Research Support)

Embolitech (Stock owner or Shareholder)

Surmodics (consultant)

HCRI (consultant)

Cardinal Health (consultant)

InspireMD (consultant)

Cook (consultant, research support)

# Conflicts of Interest Statement

**EACH SPEAKER'S SLIDE SET INCLUDES A CONFLICT OF INTEREST STATEMENT FOR THAT SPEAKER.**

*The American College of Cardiology (ACC), American College of Radiology (ACR), American Heart Association (AHA), Society for Cardiovascular Angiography and Interventions (SCAI), Society of Interventional Radiology (SIR), Society for Vascular Medicine (SVM), and VIVA Physicians (VIVA) are non-profit professional associations and a voluntary health organization with combined memberships in excess of 100K physicians representing physicians who specialize in the management of peripheral vascular diseases in the United States. ACC, ACR, AHA, SCAI, SIR, SVM and VIVA promote excellence in the diagnosis and management of patients with cardiovascular diseases through physician education, representation and the advancement of quality standards to enhance patient care.*

# **Vascular Coalition Society/Physician Representatives**

**American College of Cardiology** – Herbert Aronow, MD, FACC - *presenter*

**American College of Radiology** – Anne Roberts, MD, FACR

**American Heart Association** – Josh Beckman, MD, MS - *presenter*

**Society for Cardiovascular Angiography and Interventions** –

Kenneth Rosenfield, MD, MHCDS, MSCAI President-elect - *presenter*

Mehdi Shishehbor, DO - *presenter*

**Society of Interventional Radiology** –

Robert Lookstein, MD - *presenter*

Sanjay Misra, MD - *presenter*

Gerald Niedzwiecki, MD

**Society for Vascular Medicine** –

James B. Froehlich, MD, MPH, FSVM, President - *presenter*

John R. Bartholomew, MD, MSVM, President-elect - *presenter*

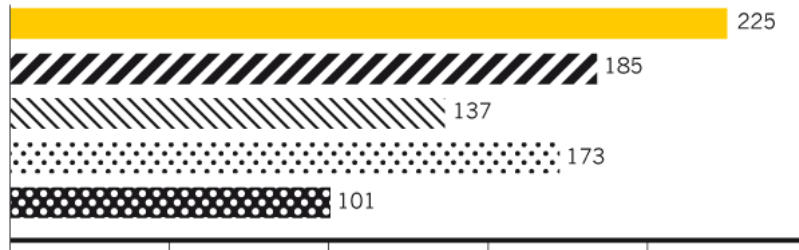
**VIVA Physicians** – Michael R. Jaff, DO, President - *presenter*

# Vascular Disease as the Cause of Death is a BIG Deal. Anywhere.

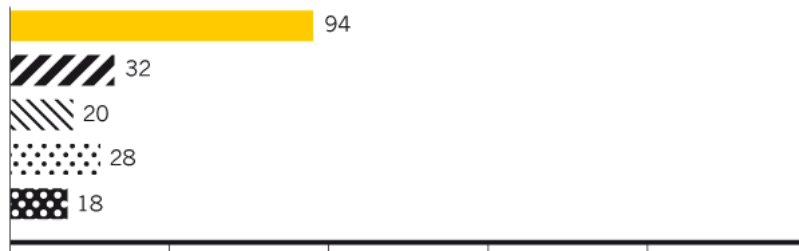
## TOP CAUSES OF DEATH

The MDS determined that the four most significant causes of death for Indians aged 30–69 are vascular disease, chronic respiratory disease, tuberculosis and cancer. Some of these burdens look very different in other regions of the world.

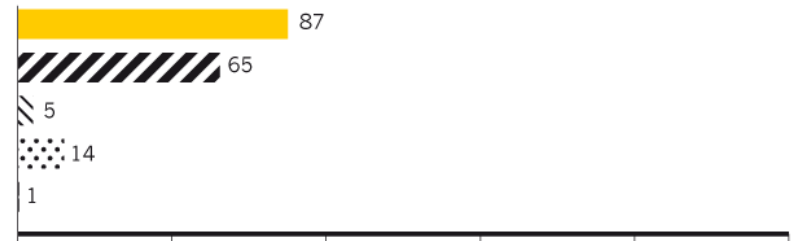
### ALL VASCULAR



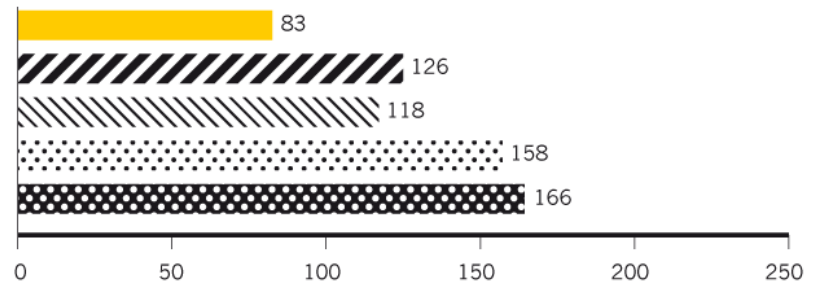
### CHRONIC RESPIRATORY DISEASE



### TUBERCULOSIS



### CANCER



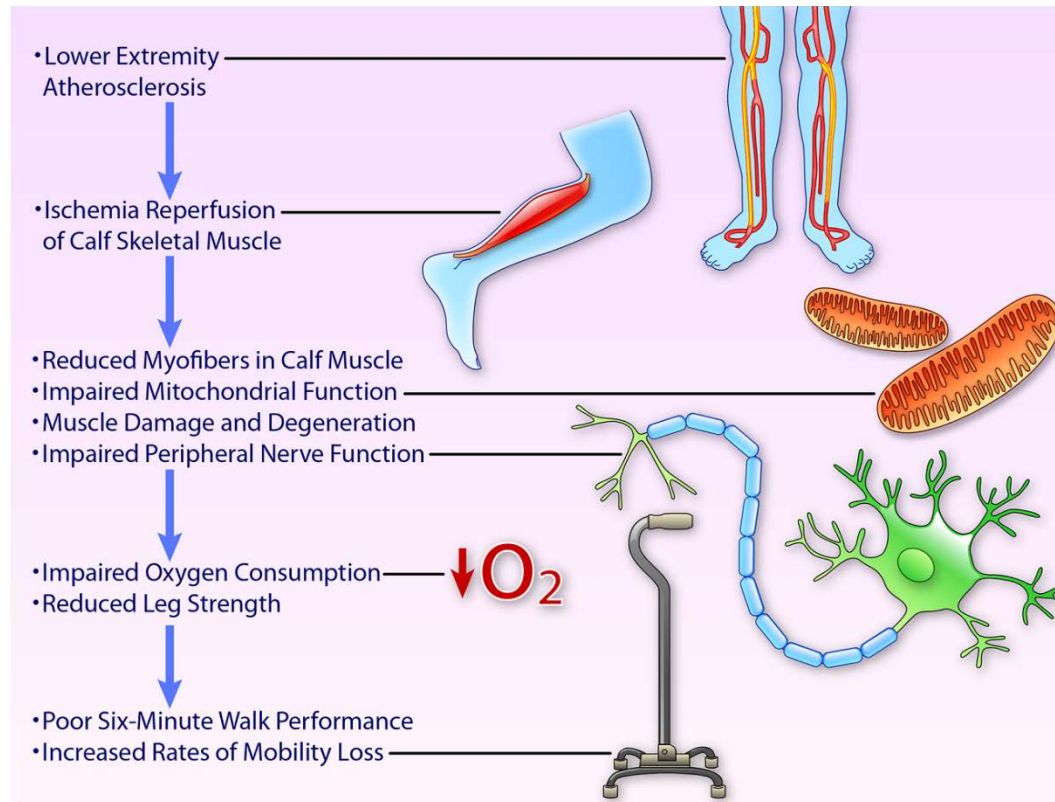
Deaths per 100,000 people

India Sub-Saharan Africa Latin America and Caribbean  
East Asia and Pacific High-income countries

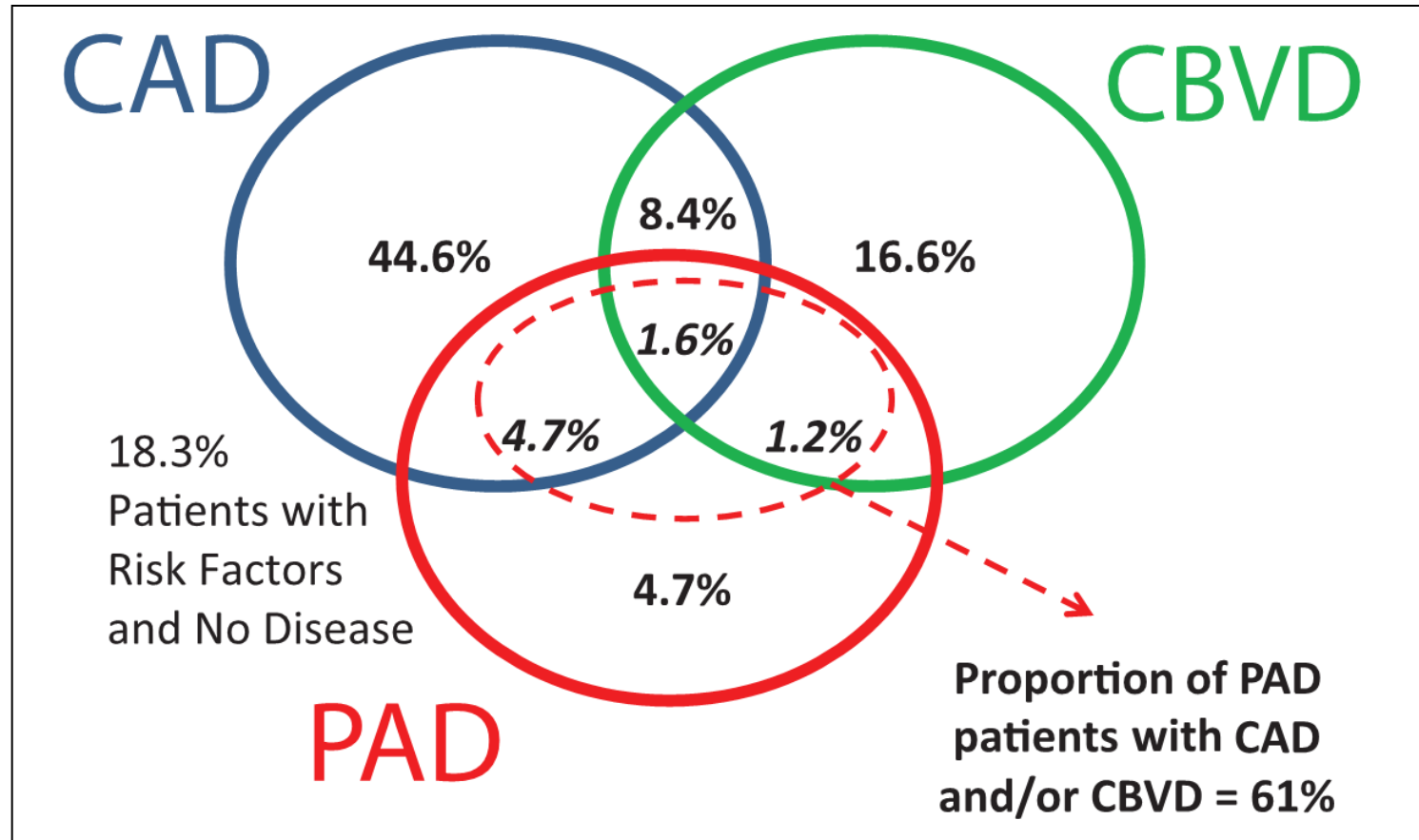
Million Death Study. Nature. Dec 2013.

<http://www.nature.com/news/global-health-one-million-deaths-1.14269>

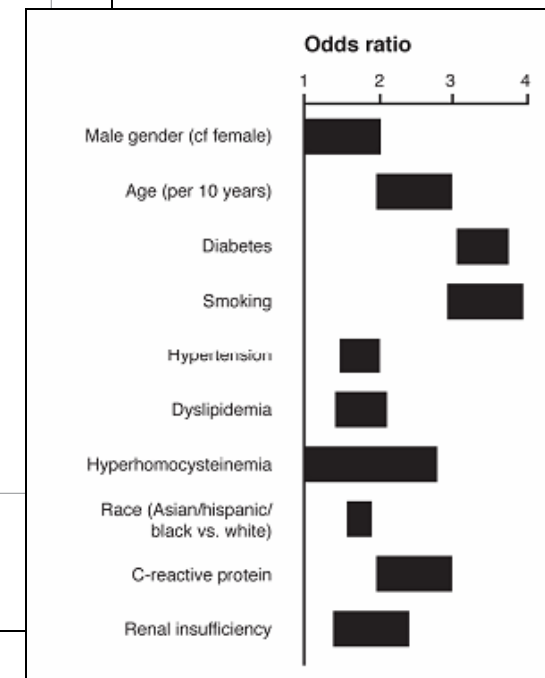
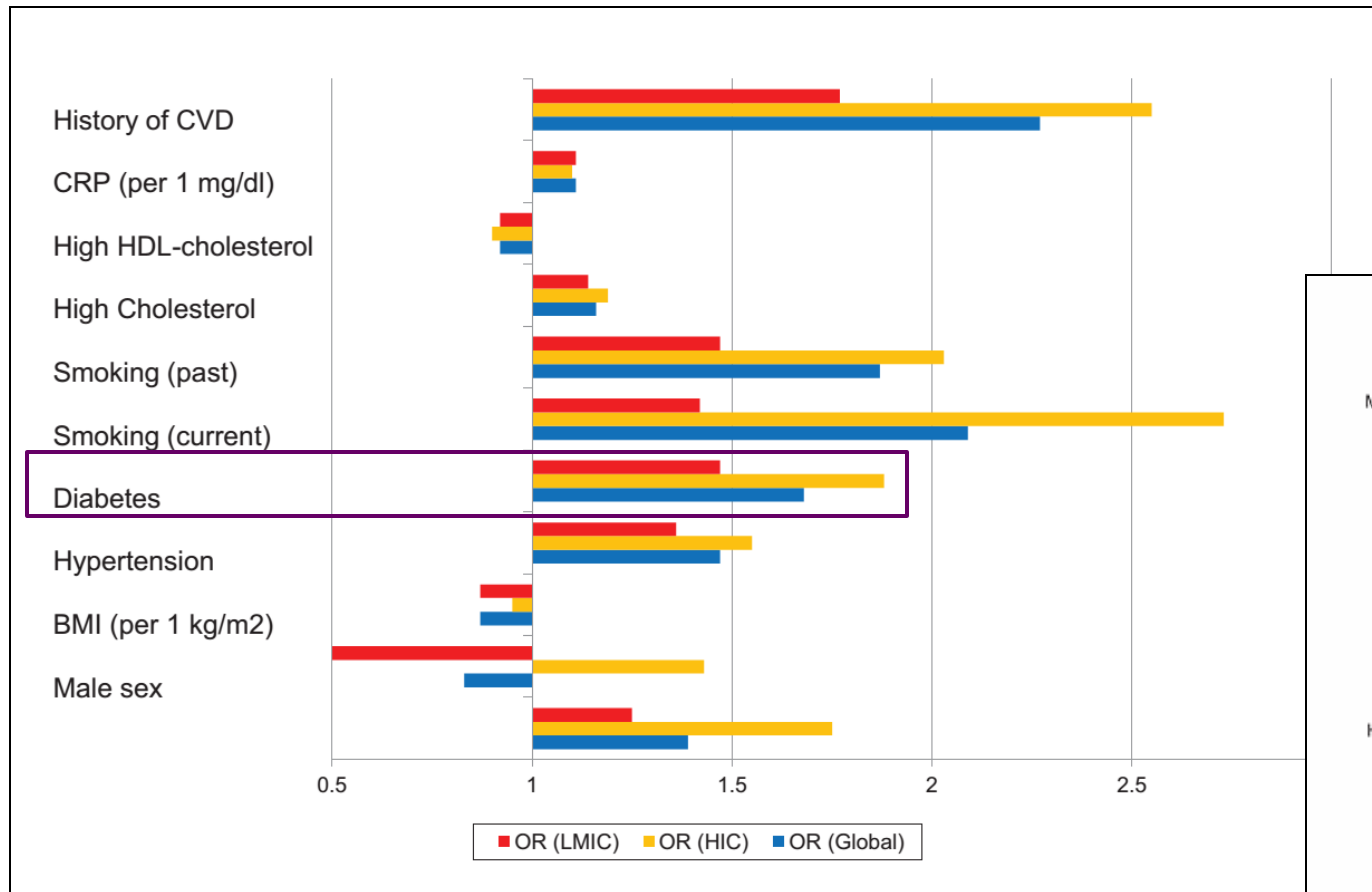
# There is More to PAD than 'Artery Blockages'



# PAD is Associated with Coronary Artery Disease and Cerebrovascular Disease



# Cardiovascular Risk-Factors Suggest Atherosclerosis



J Vasc Surg. 2000 Jan;31(1 Pt 2):S1-S296

Circ Res. 2015 Apr 24;116(9):1509-26a



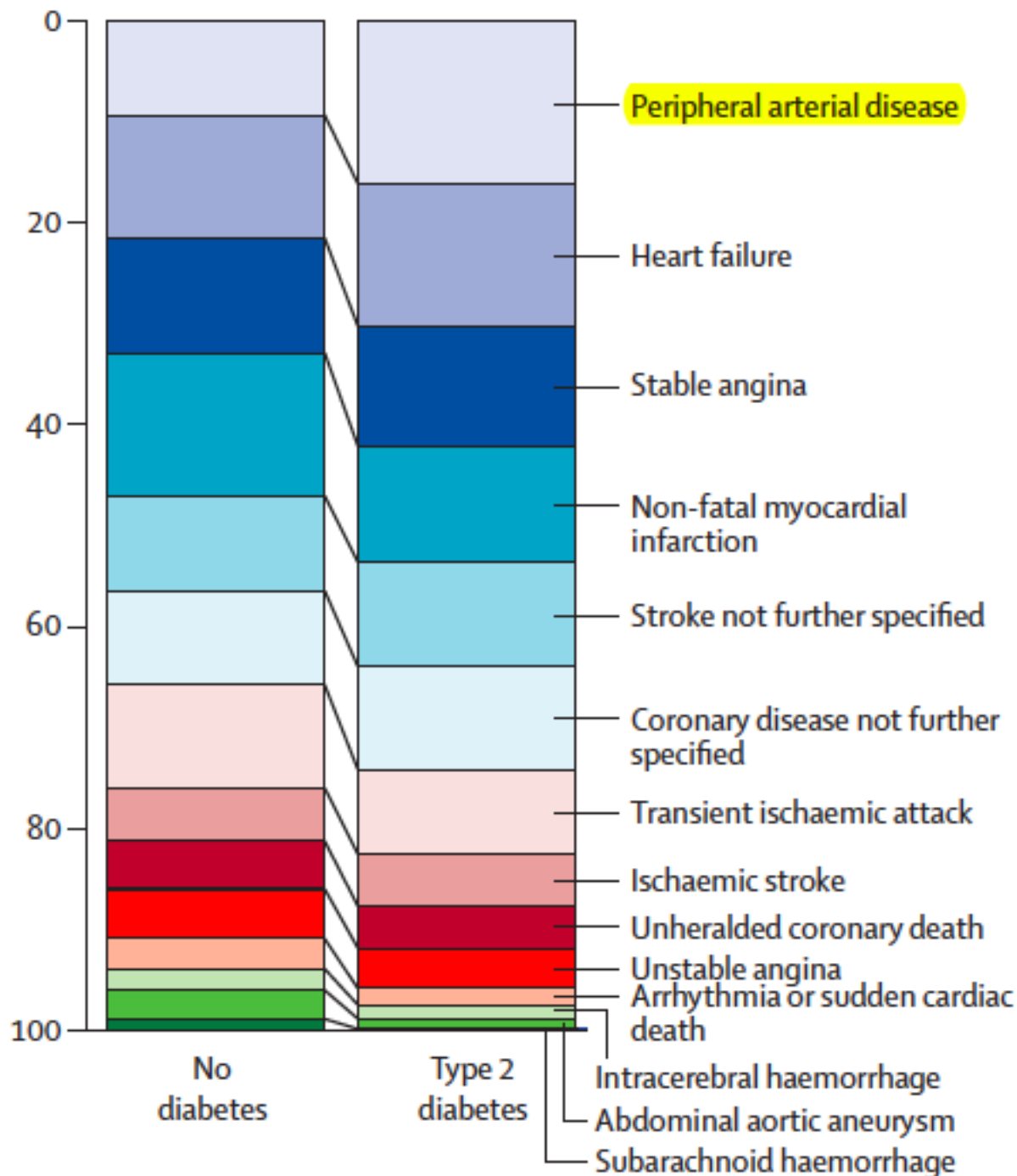
# Type 2 diabetes and cardiovascular disease: a cohort study

Anoop Dinesh Shah, Claudiu Adam Timmis, Harry Hendry

## Summary

**Background** The contribution of type 2 diabetes to cardiovascular disease has not been compared in a large cohort study.

Initial presentations of cardiovascular disease (%)



*Lancet Diabetes Endocrinol* 2014

Published Online  
November 11, 2014

# American Heart Association



## *Under Diagnosis and Under Treatment of Patients with PAD*

Josh Beckman, MD, MS



**Society for Vascular Medicine  
Society of Interventional Radiology**

# Asymptomatic Patient with PAD

John R. Bartholomew, MD, MSVM, President-elect  
Robert Lookstein, MD



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**American College of Cardiology  
VIVA Physicians**

# Intermittent Claudication

Michael R. Jaff, DO, President

Herbert Aronow, MD, FACC



Society for Cardiovascular Angiography and  
Interventions

Society of Interventional Radiology

# Critical Limb Ischemia

Mehdi Shishehbor, DO

Kenneth Rosenfield, MD, MHCDS, FSCAI President-elect

Robert Lookstein, MD

Society for Interventional Radiology

# Evidence Gaps in Treatment Decision-making

Sanjay Misra, MD

Society for Vascular Medicine



# PAD Treatment Disparities and Impact on Outcomes of Medicare Beneficiaries

James B. Froehlich, MD, MPH, FSVM, President



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