

North American Artery Fourth Annual Meeting

## Arterial Stiffness: If You Don't Measure It, You Can't Manage It

September 5-6, 2014, Hyatt Regency O'Hare, Chicago, IL



### Final Program Announcement

Early Registration Deadline Extended Until September 2, 2014

The 4th Annual Meeting will feature plenary lectures as well as clinical/translational lectures focusing on biological targets in arterial stiffness, target organs, risk assessment and management, exercise, and racial disparities. A debate, abstract presentations, exhibits, and exhibitor presentations round out the concentrated day and a half of presentations all aimed at providing the latest science and translational information regarding arterial hemodynamics.

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As of time of publication

## President's Invitation

Dear Colleague,

On behalf of the Board of Directors of North American Artery (NAA), I am excited to invite you to join us at the NAA Fourth Annual Meeting. The meeting will be held at the newly renovated Hyatt Regency O'Hare in Chicago, IL, September 5-6, 2014. The theme of this year's meeting is "Arterial Stiffness: If You Don't Measure It, You Can't Manage It".

This Fourth Annual Meeting will feature plenary lectures as well as clinical/translational lectures focusing on biological targets in arterial stiffness, target organs, risk assessment and management, exercise, and racial disparities. A debate, abstract presentations, exhibits, and exhibitor presentations round out the concentrated day and a half of presentations all aimed at providing the latest science and translational information regarding arterial hemodynamics. We have many recognized experts who will attend and present, and here are some of the highlights:

- Dr. Gary Mitchell will give the opening Plenary Lecture on "Why Should We Measure Arterial Stiffness?"
- Professor Patrick Segers from Ghent, Belgium, will present the Diamond Dinner Lecture on Future of Arterial Stiffness Measurement
- Professor John Cockcroft from Cardiff, Wales will face-off with Donald Lloyd-Jones from Chicago, IL in a debate over the role of arterial stiffness in cardiovascular risk assessment
- Several talks will deal with the role of de-stiffening interventions like exercise, aldosterone antagonism and nitrate therapies
- There will be a presentation devoted to the American Heart Association Summary Statement on Arterial Stiffness
- Both oral and poster abstract presentations on new and exciting science.
- And an Exhibits Hall, with sponsor presentations to boot!

Please peruse the meeting agenda for complete titles and faculty of the major presentations at this year's meeting. This promises to be a dynamic, action-charged meeting with excellent opportunities to network and socialize. All this in a convenient location next to the Chicago O'Hare Airport and only minutes away from downtown Chicago and the Magnificent Mile. I look forward to seeing you in Chicago!

Sincerely,



Raymond Townsend, M.D.  
NAA President

## General Information

### Target Audience

Physicians, scientists, researchers, physiologists, physician assistants, students, and other health care professionals with an interest in the application of arterial structure and function and its measurement among various medical communities will benefit from attending the Plenary, Clinical/Translational, and Basic Science lectures, Historical Perspectives, Debates, Abstract Presentations, Exhibits, and Exhibitor Presentations.

### Registration

Early Fees (before September 3, 2014) are \$120 for Members, \$200 for Nonmembers, and \$75 for Students/Trainees.

Save money and sign up for membership when you register for a fee of \$180.

Register for the meeting using the registration form included (fax to 866-383-6027) or by [registering online](#).

Your registration entitles you to attend all sessions, exhibits and all food functions. Registrants will also receive a Program Syllabus.

### Meeting Venue/Hotel Accommodations

Hyatt Regency O'Hare  
9300 Bryn Mawr Avenue  
Rosemont, IL 60018  
Telephone: 847-696-1234

Website: [www.Ohare.Hyatt.com](http://www.Ohare.Hyatt.com)

**Sleeping Room Rate (includes complimentary internet access) - \$103.00 plus local and state tax.**

The cut-off date is August 23, 2014 for the preferred rate.

[Click here to make your hotel reservation](#) or copy and paste the following link in your browser:

<https://aws.passkey.com/event/10829198/owner/2805/home>.

### Hyatt Regency O'Hare

Enjoy easy access to downtown Chicago and O'Hare Airport at this sophisticated, upscale hotel. Recently refreshed, the Hyatt Regency O'Hare offers the ideal combination of quality service and extraordinary convenience and now features new premium amenities and newly upgraded guestrooms. With its cutting-edge design and stunning atrium lobby, the beautiful O'Hare hotel reflects a modern atmosphere well suited for business and leisure travelers alike.

### Airport Shuttle

The Hyatt Regency O'Hare offers 24 hour, complimentary shuttle service, which runs every 20 minutes. Follow the red Shuttle signs at the airport to the designated pick-up area, O'Hare Bus / Shuttle Center Door One. Shuttle buses are blue with white signage that reads Hyatt Regency O'Hare.

### Valet and Self-Parking

Driving directions are available on the hotel's website.  
Self-Parking – \$22 daily or \$25 overnight.  
Valet Parking – \$32 daily or \$35 overnight.

### Hotel Amenities

- StayFit Fitness Center—24/7 state of the art gym
- Perks Coffee & Gift Shop—On-site convenience/gift shop that is open 22 hours /day
- Room Service available from 6 AM to midnight
- Full Service FedEx Office & Business Center open 24 hours daily
- Complimentary high-speed wireless access in all public spaces

### Restaurants

- Oh' American Grill – American Cuisine
- Red Bar – Sushi Bar; Innovative cocktails & food



**Friday September 5, 2014**

2:00 - 2:45 pm	<b>Opening Reception (Exhibit Hall)</b>
2:45 - 2:50 pm	<b>Welcome Remarks</b> <i>Bo Fernhall, PhD, University of Illinois at Chicago</i> <i>Gary L. Pierce, PhD, University of Iowa</i>
2:50 - 3:00 pm	<b>President's Opening Statement</b> <i>Raymond R. Townsend, MD, University of Pennsylvania</i>
3:00 - 3:30 pm	<b>Opening Plenary Lecture</b> Why Should We Measure Arterial Stiffness? <i>Gary F. Mitchell, MD, Cardiovascular Engineering, Inc.</i>
3:30 - 5:25 pm	<b>Clinical/Translational Lectures: Biological Targets in Arterial Stiffness</b>
3:30 - 3:55 pm	Percutaneous Intervention for Hypertension? Update on Baroreceptor Pacing and Renal Denervation <i>Ronald G. Victor, MD, Cedars Sinai Medical Center</i>
3:55 - 4:20 pm	Inflammation and Calcification <i>John Cockcroft, MD, University of Wales College of Medicine</i>
4:20 - 4:35 pm	<b>Coffee/Refreshment Break (Exhibit Hall)</b>
4:35 - 5:00 pm	Stiffness Treatment Target: Aldosterone (receptor antagonists, synthase inhibitors) <i>Peter U. Feig, MD, PF Pharmaceutical Development, LLC</i>
5:00 - 5:25 pm	Nitrate-Nitrite-NO Pathway: An Opportunity to Enhance Arterial Hemodynamic Function <i>Julio A. Chirinos, MD, PhD, University of Pennsylvania School of Medicine</i>
5:25 - 6:15 pm	<b>Coffee/Refreshment Break (Exhibit Hall)</b>
6:15 - 7:30 pm	<b>Oral Abstract Presentations</b>
7:35 - 9:00 pm	<b>Dinner &amp; Presentations</b>
8:00 - 8:10 pm	Business Meeting
8:10 - 8:40 pm	Future Directions in Arterial Stiffness Measurement <i>Patrick Segers, PhD, Institute of Biomedical Technology, Ghent University</i>
	<b>Diamond Dinner Lecture</b>
8:40 - 9:00 pm	aPWV, a Novel Endpoint for Respiratory Drug Development <i>David B. Rubin, MD, GlaxoSmithKline</i>

***The Dinner and the Diamond Dinner Lecture is sponsored by AtCor Medical, Inc. (USA)***





## Saturday September 6, 2014

7:15 - 8:00 am	<b>Breakfast (Exhibit Hall)</b>
8:00 - 9:00 am	<b>Target Organ Lectures</b>
8:00 - 8:30 am	Arterial Stiffness in Vascular Dementia/Cognitive Decline <i>Gary F. Mitchell, MD, Cardiovascular Engineering, Inc.</i>
8:30- 9:00 am	Arterial Stiffness and Heart Failure <i>Sanjiv J. Shah, MD, Northwestern University Feinberg School of Medicine</i>
9:00 - 9:15 am	<b>Coffee/Refreshment Break (Exhibit Hall)</b>
9:15-10:15 am	<b>Clinical Translational Lectures in Risk Assessment and Management</b>
9:15- 9:45 am	Effect of Currently Available Drug Therapies on Aortic Stiffness <i>Stanley S. Franklin, MD, University of California, Irvine</i>
9:45-10:15 am	Designing the Arterial Stiffness Clinical Trial <i>William C. Cushman, MD, University of Tennessee Health Science Center</i>
10:15-11:15 am	<b>Coffee/Refreshment Break and Poster Viewing (Exhibit Hall)</b>
11:15-12:15 pm	<b>Clinical Lectures in Exercise and Racial Disparities</b>
11:15-11:45 am	Destiffening the Aorta with Habitual Exercise in Aging and Hypertension: Fact or Fallacy? <i>Gary L. Pierce, PhD, University of Iowa</i>
11:45-12:15 pm	Racial Disparities in Arterial Stiffness and Function: Potential Mechanisms <i>Michael D. Brown, PhD, University of Illinois at Chicago</i>
12:15-12:45 pm	<b>Platinum Sponsor Presentations</b>
12:15-12:30 pm	A Clinical and Technical Background on VaSera and the CAVI Measurement <i>Christopher Broadbridge, Fukuda Denshi USA</i>
12:30-12:45 pm	To Be Announced
12:45- 2:00 pm	<b>Poster Abstract Presentations &amp; Lunch</b>
2:00 - 2:30 pm	<b>AHA Arterial Stiffness Summary Statement Update</b> <i>Raymond R. Townsend, MD, University of Pennsylvania</i>
2:30 - 3:15 pm	<b>Debate/Counterpoint Presentation</b> Arterial Stiffness <b>Should</b> be a Part of CVD Risk Assessment <i>John Cockcroft, MD, University of Wales College of Medicine</i>  Arterial Stiffness <b>Should Not</b> be a Part of CVD Risk Assessment <i>Donald M. Lloyd-Jones, MD, ScM, Northwestern University Feinberg School of Medicine</i>
3:15 - 3:30 pm	<b>Awards Presentations</b> Best Abstract and Young Investigator Awards
3:30 - 3:40 pm	<b>Concluding Remarks and Future Direction of NAA</b>

**2014 PROGRAM COMMITTEE**

Bo Fernhall, PhD (Co-Chair)

Gary L. Pierce, PhD (Co-Chair)

Tina E. Brinkley, PhD

Michael D. Brown, PhD

Julio A. Chirinos, MD, PhD

Stella Daskalopoulou, MD, MSc, PhD

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**2014 FACULTY**

**Christopher Broadbridge**

Clinical Development & Marketing, VaSera  
Fukuda Denshi USA  
Redmond, WA

**Michael D. Brown, PhD**

Department of Kinesiology and Nutrition  
University of Illinois at Chicago  
Chicago, IL

**Julio A. Chirinos, MD, PhD**

Penn Cardiovascular Institute  
University of Pennsylvania School of Medicine  
Philadelphia, PA

**John Cockcroft, MD**

Wales Heart Research Institute  
University of Wales College of Medicine  
Cardiff, United Kingdom

**William C. Cushman, MD**

University of Tennessee Health Science Center  
Memphis Veterans Affairs Medical Center  
Memphis, TN

**Peter U. Feig, MD**

PF Pharmaceutical Development, LLC  
Guilford, CT

**Stanley S. Franklin, MD**

University of California, Irvine  
Irvine, CA

**Donald M. Lloyd-Jones, MD, ScM**

Senior Associate Dean for Clinical and Translational  
Research  
Chair, Department of Preventive Medicine  
Director, Northwestern University Clinical and  
Translational Sciences (NUCATS) Institute  
Eileen M. Foell Professor of Heart Research  
Northwestern University Feinberg School of Medicine  
Chicago, IL

**Gary F. Mitchell, MD**

President  
Cardiovascular Engineering Inc.  
Norwood, MA

**Gary L. Pierce, PhD**

Department of Health & Human Physiology  
University of Iowa  
Iowa City, IA

**David B. Rubin, MD**

Director, Clinical Development  
GlaxoSmithKline  
Research Triangle Park, NC

**Patrick Segers, PhD**

Institute of Biomedical Technology  
Ghent University  
Ghent, Belgium

**Sanjiv J. Shah, MD**

Division of Cardiology, Department of Medicine  
Northwestern University Feinberg School of Medicine  
Chicago, IL

**Raymond R. Townsend, MD**

Hypertension Program - Hospital of the  
University of Pennsylvania  
Clinical & Translational Research Center  
University of Pennsylvania  
Philadelphia, PA

**Ronald G. Victor, MD**

Burns and Allen Chair in Cardiology Research  
Director, Hypertension Center  
Director of Clinical Research & Associate Director,  
The Heart Institute  
Cedars-Sinai Medical Center  
Los Angeles, CA

## ABSTRACT PRESENTATIONS

- OR-1 Central Artery Stiffness, Baroreflex Sensitivity, and Brain White Matter Integrity in Older Adults
- OR-2 Saxagliptin Prevents Increased Coronary Arterial Stiffness and Advanced Glycation End Product Expression in a Miniature Swine Model of Heart Failure with Preserved Ejection Fraction
- OR-3 Cardio-Respiratory Interactions Immediately Following Dynamic Leg Cycling: Influences of the Muscle Pump
- OR-4 Importance of Time Delay Estimation Methods for Aortic Pulse Wave Velocity Assessment with Phase- Contrast MRI
- OR-5 Relationship of Common Carotid Artery Perivascular Adipose Tissue, Arterial Stiffness, and Intima-Medial Thickness, in Adult Humans
- PO-01 Longitudinal and Circumferential Strain of the Proximal Aorta
- PO-02 Effects of Acute Induced Inflammation on Pressure Waveforms: Does Age Matter?
- PO-03 Sex Differences in Stiffness Parameters Following Maximal Exercise
- PO-04 Correlations between Arterial Stiffness/Central Hemodynamics and Serum Cardiac Troponin T and Natriuretic Peptide Levels
- PO-05 Buffering of Carotid Artery Pressure and Flow Pulsatility during Cognitive Engagement in Healthy Adults
- PO-06 Effects of Systemic Infusion of Niacin on Sympathetic Activity, Arterial Stiffness and Aortic Wave Reflection: A Pilot Study
- PO-07 Racial Differences In Circulating csRAGE and Alternatively Spliced esRAGE In Healthy Adolescents: Relation with Aortic Stiffness
- PO-08 Effects of Acute Dietary Nitrate Supplementation on Aortic Wave Reflection in Young Adults
- PO-09 Spironolactone as Add-On Therapy to Chlorthalidone Improves Endothelial Function, Arterial Stiffness and Insulin Resistance in European and African American Patients with Essential Hypertension - A Double-Blind Placebo-Controlled Randomized Study
- PO-10 A Multi-Modality 4D System for Analysis of the Aortic Morphology and Function from MR or CT
- PO-11 Sex Differences in the Development of Abnormal Endothelium-Dependent Vasodilation in Aorta from Type 2 Diabetic Rats: Possible Role of Nitric Oxide
- PO-12 Racial Differences of eNOS Expression Respond to C-reactive Protein
- PO-13 Arterial Hemodynamics in Overweight Young Adult Males Following Maximal Exercise
- PO-14 Relationship between Carotid Artery Stiffness and Altered Cerebrovascular Hemodynamics in South Asian Indian Older Adults
- PO-15 The Temporal Relationship between Metabolically Healthy Obesity and Carotid Atherosclerosis in Men
- PO-16 Reduced Cardiac Baroreflex Sensitivity is Associated with Greater Aortic Stiffness in Middle-Aged/Older Humans: Beneficial Effect of Habitual Aerobic Exercise
- PO-17 A New Arterial Stiffness Index Permitting Isobaric Comparisons
- PO-18 Ultrasound Biomicroscopic Study of Arteries in Detection of Doxorubicin-Induced Disorders
- PO-19 Significant Basal and Stimulated Variations in Inflammatory Gene Expression Profiles in African American and Caucasian HUVECs
- PO-20 Aortic Hemodynamics Following Discontinuation of Menopausal Hormone Therapy in Postmenopausal Women
- PO-21 Racial Differences in Vascular Function
- PO-22 Higher Aortic Stiffness and Carotid Systolic and Pulse Pressure are Selectively Associated with Lower White Matter Integrity in the Genu and Frontal Cortex in Older Healthy Adults
- PO-23 Dependency of Arterial Stiffness Indicators on Acute Blood Volume Changes
- PO-24 Sex Differences in Hemodynamic Responses Following Acute Inflammation: Wave Separation Analysis
- PO-25 Left Ventricular Ene-systolic Elastance (Ecavi) Estimated with CAVI
- PO-26 The Implications of Poor Sleep Quality on Arterial Health in Persons with Multiple Sclerosis
- PO-27 Higher Central Augmentation Pressure/Index is Associated with Tension-Type Headache but Not Migraine in Middle-Aged/Older Obese Humans
- PO-28 Changes in Cerebrovascular Pulsatility during Aerobic Exercise are Unrelated to Brachial-Ankle Pulse Wave Velocity in Chronic Stroke
- PO-29 Creation of a Fixed Central Arterial-Venous Anastomosis on Arterial Stiffness and Central Haemodynamics: A Treatment for Hypertension Targeting the Physical Properties of the Arterial Vasculature
- PO-30 Carotid Strain Does Not Explain Sex Differences in Blood Pressure
- PO-31 Sex-Specific Differences in Cardiovascular Parameters in Spinal Cord Injured Individuals

## Diamond Dinner Sponsor

### AtCor Medical

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Website: [www.atcormedical.com](http://www.atcormedical.com)



AtCor Medical developed and markets SphygmoCor systems, the global gold standard in noninvasive central blood pressure and arterial stiffness assessment. SphygmoCor is featured in over 700 peer-reviewed publications, including the recently published BP GUIDE study, which demonstrated a reduction in total daily dosage required for blood pressure control when central blood pressure was used as an adjunct to brachial pressure in hypertension management.

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### The VaSera System

VaSera™ brings reliable measurement of arterial stiffness (heart-to-ankle PWV) to the busy clinician's practice. Our cuff-based system requires no special user training, and includes automated ABI- and TBI-measurement functionality. Chose VaSera for research-grade accuracy and quality, and fully automated ease-of-use.

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Hitachi Aloka Medical is proud of the reputation we've built as an industry leader in diagnostic ultrasound. Known for our unparalleled image quality, superior system reliability and intuitive use of cutting edge technology, Hitachi Aloka Medical remains the ideal choice for exceptional diagnostic ultrasound imaging in the field of Cardiovascular medicine. Our focused dedication to diagnostic ultrasound imaging allows us to offer a full range of products to meet the needs for all your Cardiovascular applications.





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### **I.E.M. GmbH**

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Mobil-O-Graph 24h PWA monitor, the gold standard in assessment of 24h central BP. The monitor applies the oscillometric method for the capture of pulse waves at the brachial artery site at diastolic pressure level. Subsequently, central pressure curves are obtained through a transfer function from the peripheral recording. The results have been intensively validated against invasive and non-invasive reference methods. Reproducibility and feasibility of the method have been confirmed. More recently a publication in the Journal of Hypertension has demonstrated a stronger correlation of 24h central blood pressure to LVM, when compared to traditional blood pressure measurement methods, including ABPM (SAFAR study).

IEM GmbH offers home, ambulatory and telemetry BP solutions – all validated and Made in Germany.

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## Gold Sponsor

### **Itamar Medical**

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### **WatchPAT™**

The WatchPAT™ device is a medical-grade portable home sleep diagnostic device designed to offer in-home accurate diagnosis, detection, and follow-up treatment of Sleep Apnea and sleep breathing disorders. It replaces a sleep lab all without cumbersome nasal cannulas or effort belts. The device offers greater patient comfort, more natural sleep, and amazingly low failure rate.

In addition to respiratory indices, the device provides sleep/wake analysis, and sleep architecture including sleep stages without the use of electrodes.

### **EndoPAT™**

The EndoPAT™ device is the only non-invasive operator-independent diagnostic test for endothelial function assessment.

The EndoPAT has been clinically validated by leading cardiologists to accurately and non-invasively assess endothelial function. The EndoPAT® test is simple, takes only 15 minutes and can be easily performed by a medical assistant at the clinic.

Itamar Medical's EndoPAT® device has been clinically proven by leading cardiologists in peer-reviewed studies as a valuable functional marker in cardiovascular disease, used for risk stratification beyond conventional tests even in cases of unexplained chest pain, microvascular disease or non-obstructive CAD.

The EndoPAT® test is now backed by unparalleled body of hundreds of scientific peer-reviewed papers, demonstrating the role of endothelial dysfunction as a key marker of sub-clinical atherosclerosis and a predictor of cardiovascular events across all disease states and beyond commonly used tests.



## Gold Sponsor

### Medical Imaging Applications, LLC

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Medical Imaging Applications, LLC (MIA) offers software solutions for automated quantification of arterial image data (ultrasound, CT, MR) in clinical trials and patient care.

- Brachial Analyzer - assessment of endothelial function via brachial-artery flow-mediated dilatation (brachial FMD), used in hundreds of research/clinical trials worldwide.
- Carotid Analyzer - quantification of carotid and aortic intimal-medial thickness (carotid/aortic IMT), analysis of both near and far arterial walls at multiple locations, assessment of plaque characteristics, vascular distensibility/compliance, unprecedented accuracy and sensitivity via highly automated processing of arterial image sequences.
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Contact: Medical Imaging Applications LLC; URL: [www.mia-llc.com](http://www.mia-llc.com); email: [info@mia-llc.com](mailto:info@mia-llc.com)

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### Omron Healthcare, Inc.

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E-mail: [Jim.Li@Omron.com](mailto:Jim.Li@Omron.com)  
Website: [www.omronhealthcare.com](http://www.omronhealthcare.com)



As the leader in the blood pressure measurement field, Omron has been active in providing effective tools in assessing the arterial stiffness and central blood pressure. Omron's HEM-9000AI provides both Augmentation Index (AI) and Central SBP based on pulse wave analysis. Using the advanced sensing technology, the device offers accurate & reliable measurement in a user friendly way. This device has been used globally for the past 9 years.



## About the North American Artery Society

### Mission Statement

The Mission of North American Artery Society is to:

- Support education on arterial structure and function appropriate to the various medical communities, such as scientific researchers, clinical specialists, primary care specialists, medical students, and pharmaceutical researchers, as well as the patient community;
- Develop mechanisms and venues for disseminating information on the understanding and application of arterial structure and function and its measurement among the various medical communities;
- Participate in and encourage the study of improved application of technologies in the measurement of arterial structure and function;
- Participate in and encourage clinical trials that develop the understanding of how arterial structure and function and its measurement can guide and inform patient selection and treatment;
- Guide and support efforts to standardize arterial structural and functional measurements for clinical practice and clinical/scientific studies;
- Direct efforts to include arterial structure and function measurements in appropriate national guidelines;
- Formulate a consensus statement regarding what is known in regards to arterial structure and function.

### Society Objectives

North American Artery is a non-profit, non-partisan professional society dedicated to the encouragement, support, and understanding of vascular structure and function and its application to clinical medicine, research and pharmaceutical and medical device development. The Society Objectives are to:

- Support education on arterial mechanics appropriate to the various medical communities, such as scientific researchers, clinical specialists, primary care specialists, and pharmaceutical researchers, as well as the patient community;
- Develop mechanisms and venues for disseminating information on the understanding and application of arterial mechanics and its measurement among the various medical communities;
- Participate in and encourage the study of arterial mechanics in basic and applied research to further especially the clinical applications derived from an improved understanding of arterial mechanics;
- Participate in and encourage clinical trials that develop the understanding of how arterial mechanics and its measurement can guide and inform patient treatment;
- Guide and support efforts to standardize arterial mechanics measurements for clinical practice and clinical/scientific studies;
- Direct efforts to include arterial mechanics measurements in appropriate national guidelines;
- Provide the knowledge for the critical understanding and application of technologies to measure arterial mechanics.



## [Join Our Exciting New Organization Today!](#)

An active membership to this growing and influential research community is extremely beneficial to anyone associated with or interested in arterial research. As a member of North American Artery, you can view our member database, participate in our forum, as well as enjoy a host of other benefits.

Membership is open to all individuals and organizations that have a research, clinical, or scientific interest in arterial mechanics and hemodynamics. There are three (3) classes of membership:

- **Individual Voting Members - \$60.00**

All dues-paying individuals, are voting members.

- **Sponsor Member Organizations - \$500.00**

This membership permits an organization to identify up to five (5) individuals from its organization to be Individual Voting Members. Additional members may be added according to guidelines developed by the Executive Committee. An organization may have an unlimited number of members.

Membership in NAA is based on a calendar year (July 1 – June 30). Payments of dues at any time during the year are considered dues for that calendar year. Membership renewal invoices will be sent on June 1 and are due by July 1.

### [Membership Benefits](#)

Here are seven specific reasons why you should join North American Artery Society (NAA) today.

**1. On-line subscription to ARTERY RESEARCH.**

ARTERY, the Association for Research into Arterial Structure and Physiology, is a European society with similar goals and objectives to NAA; ARTERY RESEARCH is its peer-reviewed journal featuring articles, case studies, meeting abstracts and other relevant publications on arterial structure and function. The on-line subscription comes with NAA membership. Without a membership, the purchase price of the journal on-line is \$31.50 per article.

**2. Be an active participant.** NAA is active in developing a multidisciplinary approach to research in and applications of arterial structure and function. We recognize the value of many voices, opinions, and disciplines, and invite you to get involved.

**3. Enjoy reduced registration fees.** Membership in NAA provides you with significant savings on registration fees for all NAA sponsored events.

**4. Join the Forum.** Membership in NAA makes you part of the conversation on artery research and applications. You can contribute to and learn from presentations in workshops, seminars, on-line videos, and other avenues of sharing information.

**5. Make key connections.** Participation in NAA provides a focal point for developing working relationships with others active in the field.

**6. Lead the pack.** NAA will be leading the development of consensus positions on a number of related issues, and participating in the design of upcoming studies in the field of artery research.

**7. Become a decision maker.** NAA is an organized voice in the development of clinical applications of arterial research, including setting validation standards and application guidelines. As a member, you can be part of our voice to both the pharmaceutical as well as the device manufacturing industries.



## Membership Application

Name & Principal Mailing Address (please type or print legibly and complete ALL information requested)

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ MI: \_\_\_\_ Degree: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Country (if not U.S.) \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

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Physician Specialty:     Cardiology     Family Practice     Endocrinology     Nephrology  
                                   Internal Medicine     Other \_\_\_\_\_

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Other \_\_\_\_\_

### Membership Category

Individual Voting Member - \$60.00

Sponsor Member Organization - \$500.00 (Includes up to five (5) Voting Members. List names below.)

If applying for Sponsor Member Organization membership, please include up to four (4) additional individuals who will also be Voting Members.

1) Name: \_\_\_\_\_ Email Address: \_\_\_\_\_

2) Name: \_\_\_\_\_ Email Address: \_\_\_\_\_

3) Name: \_\_\_\_\_ Email Address: \_\_\_\_\_

4) Name: \_\_\_\_\_ Email Address: \_\_\_\_\_

**Payment Information:** No CASH or BANK TRANSFERS. Membership dues may be paid with VISA, MasterCard, American Express, Check or Money Order. Checks and money orders must be drawn on American Banks and must be in US Dollars.

**Payment Method:**  VISA     MasterCard     American Express     Check payable to North American Artery

Cardholder's Name: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Credit Card Number Card: \_\_\_\_\_ Verification Code: \_\_\_\_\_

Cardholder's Billing Address: \_\_\_\_\_

Cardholder's Signature: \_\_\_\_\_

**Return this form to:** North American Artery Society, c/o Hansen Global Event Management, LLC, 68 Carlton Terrace, Stewart Manor, NY 11530 or fax the form to 866-383-6027.

Contact Matthew Hansen with any questions at 516-361-4415 or via email to [naa@hansenglobalevents.com](mailto:naa@hansenglobalevents.com).



## Registration Form (please type or print legibly and complete ALL information requested.)

[Click Here to Register Online](#)

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ MI: \_\_\_\_\_ Degree: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Country (if not U.S.): \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_ Membership Identification: \_\_\_\_\_

### Please indicate Specialty

Physician Specialty:  Cardiology  Family Practice  Endocrinology  Nephrology

Internal Medicine  Other \_\_\_\_\_

Physiologist (Exercise)  Allied Health Professional  Scientist  Physician Assistant

Other \_\_\_\_\_

### Early Registration (Before September 3, 2014)

Member - \$120

New Member & Registration - \$180 (Complete application on reverse side)

Non Member - \$200

Students & Trainees (Residents, Fellows, Post Docs) - \$75

### Late Registration (After September 3, 2014) & On-Site

Member \$145

New Member & Registration - \$205 (Complete application on reverse side)

Non Member \$225

Students & Trainees (Residents, Fellows, Post Docs) - \$100

**Payment Information:** No CASH or BANK TRANSFERS. Registration may be paid with VISA, MasterCard, American Express, Check or Money Order. Checks and money orders must be drawn on American Banks and must be in US Dollars.

**Payment Method:**  VISA  MasterCard  American Express  Check payable to North American Artery

Cardholder's Name: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Credit Card Number Card: \_\_\_\_\_ Verification Code: \_\_\_\_\_

Cardholder's Billing Address: \_\_\_\_\_

Cardholder's Signature: \_\_\_\_\_

**Cancellation Policy:** Cancellations received on or before September 1, 2014 will be refunded all monies less a \$25.00 administrative fee. There are no refunds for cancellations received after September 1, 2014.

#### Return this form to:

NAA  
c/o Hansen Global Event Management, LLC  
68 Carlton Terrace, Stewart Manor, NY 11530  
Toll-Free Fax: (866) 383-6027

#### Questions?

Contact Matthew Hansen  
Toll-Free: 866-383-6027  
Direct Line: 516-361-4415  
NAA@hansenglobalevents.com