

2023 ANVC CONFERENCE

NOVEMBER 9-12, 2023 | LAS VEGAS, NEVADA



ASSOCIATION OF NEUROVASCULAR CLINICIANS (ANVC)

Up to 36 CEUs available (includes up to 4.25 Pharmacology hours)



Building a Bridge to Better Outcomes

A Supportive and Safe Transition Home for Stroke Survivors

Join us at the **Kandu Booth on
Saturday, November 11 at 9:30 am**

Hear stroke survivor, actor, and
playwright, Michael Shutt discuss,
"Uncharted Waters: A Stroke Survivor's
Journey Through the Unknown."



Visit Kandu at booth #35

Learn more and download
our survivor case study.

**Kandu Health is the healthcare services business of Imperative Care
210 E. Hacienda Ave., Campbell, CA 95008
1-833-KANDU4U**

©2023 Kandu Health, Inc
All Rights Reserved
8002.649

www.kanduhealth.com

MESSAGE FROM THE PROGRAM CHAIR

On behalf of the Association of Neurovascular Clinicians (ANVC), thank you for joining us for our 2023 Annual Meeting. We're excited for this live in-person conference in Las Vegas, Nevada. This conference is focused on the provision of state-of-the-science, acute stroke clinical and imaging-based diagnosis, methods for determination of stroke pathogenic mechanism, acute treatment decision making, complication avoidance methods, and both primary and secondary prevention. The educational program focuses on the needs of acute and subacute stroke patients as managed by stroke system managers, nurse practitioners, clinical nurse specialists, physician assistants, stroke coordinators, stroke educators, and bedside stroke nurses.



2023 PROGRAM CHAIR

Michelle Whaley

MSN, CNS, CCNS, ANVP-BC

ANVC BOARD MEMBERS

2023-2025 PRESIDENT

Alicia Richardson

HERSHEY, PENNSYLVANIA

MEMBER AT LARGE

Lisa Ziomek

PHOENIX, ARIZONA

2023-2025 PRESIDENT-ELECT

Rhonda Finnie

LITTLE ROCK, ARKANSAS

MEMBER AT LARGE

Sherri Greif

OAK PARK, CALIFORNIA

MEMBER AT LARGE

Leatrice Shavonne Williams

DALLAS, TEXAS

MEMBER AT LARGE

Cesar Velasco

HERSHEY, PENNSYLVANIA

MEMBER AT LARGE

Lindsey Bourne

LITTLE ROCK, ARKANSAS

MEMBER AT LARGE

Abbigayle Doerr

NORTH AURORA, ILLINOIS

MEMBER AT LARGE

Cheyenne Gutierrez

OKLAHOMA, CITY, OKLAHOMA

MEMBER AT LARGE

Skye Coote

MELBOURNE, VICTORIA, AUSTRALIA

MEMBER AT LARGE

Kari Moore

LOUISVILLE, KENTUCKY

NICO



ENRICH: Positive Surgical Trial in the Deadliest Type of Stroke

Minimally Invasive
Parafascicular Surgery
(MIPS)

using NICO BrainPath®
& NICO Myriad®

vs.

Medical
Management
(MM)

LEVEL 1 EVIDENCE

A Surgical Answer for ICH Patients

MIPS Improves Functional Outcomes

Superior in Lobar, Neutral in ABG*

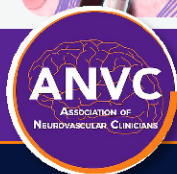
Benefit in Mortality

30 and 180 day Mortality*

Economic Benefit for Healthcare System

ICU and Hospital LOS Decreased in MIPS vs MM*

*As presented, European Stroke Organisation Conference (ESOC), Munich, Germany, 2023



Learn More at NICO Booth 51, Nov 11–12
ANVC Annual Conference – Las Vegas, NV

Stay up-to-date with NICO



NICO Corporation | 250 E. 96th St. Suite 125 | Indianapolis, IN 46240 | 317.660.7118 | www.NICOneuro.com

THURSDAY, NOVEMBER 09, 2023

0800-1200	PART 1: ASC REVIEW COURSE (STRIP VIEW A)
1200-1300	LUNCH BREAK
1300-1700	PART 2: ASC REVIEW COURSE (STRIP VIEW A)
1300-1700	ANVP REVIEW COURSE (STRIP VIEW B)

FRIDAY, NOVEMBER 10, 2023

0800-1200	PART 3: ASC REVIEW COURSE (STRIP VIEW A)
0800-1200	FREE NVC-3 EXAMS FOR THE ANVP, CNIC & NVRN CERTIFICATION* (VERANDA A/B)
1200-1300	LUNCH BREAK
1300-1700	FREE NVC-3 EXAMS FOR ASC, ANVP, CNIC & NVRN CERTIFICATION* (VERANDA A/B)
1300-1700	<p>TRANSCRANIAL DOPPLER WORKSHOP (STRIP VIEW B)</p> <p>Andrei Alexandrov, MD Professor and Chairman, Department of Neurology, University of Arizona at Phoenix and Banner University Medical Center.</p> <p>Zsolt Garami, MD Allison Family Centennial Endowed Director in Cardiovascular Innovation, Medical Director, Vascular Ultrasound Lab, Houston Methodist DeBakey Heart & Vascular Center</p>
1300-1700	<p>CLINICAL LOCALIZATION & IMAGING CORRELATES (STRIP VIEW A)</p> <p>Anne Alexandrov, Ph.D., AGACNP-BC, ANVP-BC, NVRN-BC, CCRN, FAAN Professor of Neurology & Nursing, University of Tennessee Health Science Center (UTHSC); Chief Nurse Practitioner, UTHSC Mobile Stroke Unit Professor & NET SMART Program Director</p> <p>Bryan Fill, MSN, APRN-FPA, FNP-BC, ANVP-BC, CNIC Neurointerventional Nurse Practitioner, Northwestern Medicine Central DuPage Hospital</p>

*FREE certification in-person exams are available for those individuals who have registered through NVC-3. One exam per person. Retakes will be at full charge.

To register, go to www.anvc.org/nvc3-certifications.

PROGRAM SCHEDULE AND ROOM ASSIGNMENTS SUBJECT TO CHANGE



2023 ANVC CELEBRATION DINNER

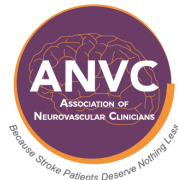
SOUTH BEACH POOL DECK-RED ROCK CASINO RESORT AND SPA

EVENT BEGINS AT 7PM ON NOVEMBER 10, 2023

\$50.00 PER CONFERENCE ATTENDEE &

\$100 PER NON-CONFERENCE ATTENDEE

Join us for an evening of cocktails, dinner, dancing, and celebration with Neurovascular Clinicians like you! Catch up with colleagues, and network with peers dedicated to the advanced care and management of stroke patients around the world.

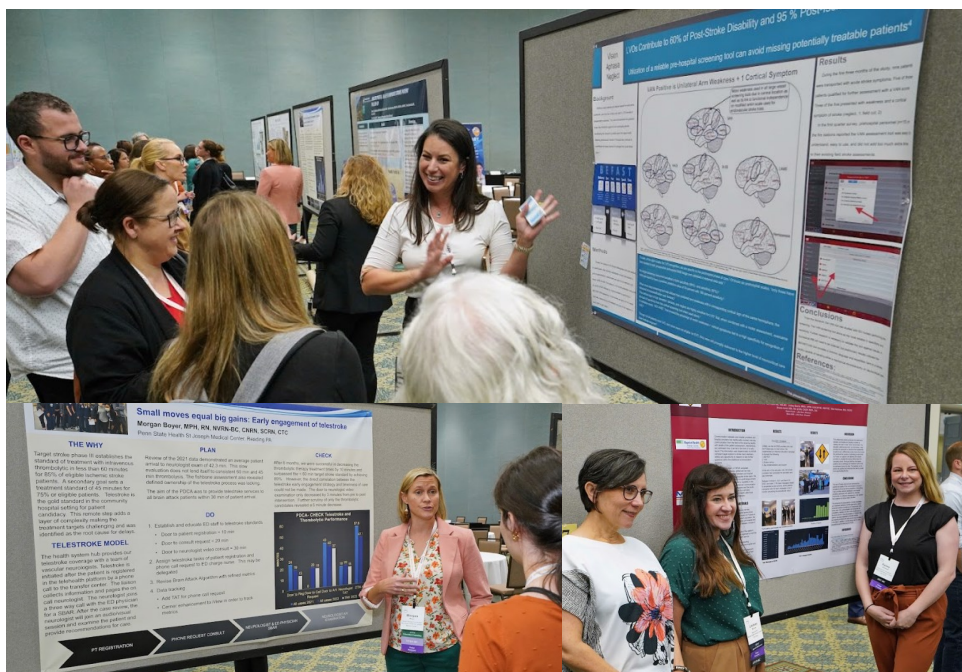


**Registration is available to all conference attendees
and their guests at www.anvc.org**

Main Conference Agenda

SATURDAY, NOVEMBER 11, 2023

0700-0800	REGISTRATION (SUMMERLIN FOYER)
0815-0845	OPENING/PRESIDENTIAL ADDRESS (SUMMERLIN A, B, C) Alicia Richardson, MSN, RN, ACCNS-AG, ANVP-BC, ASC-BC Clinical Nurse Specialist and Stroke Program Systems Director, Penn State Health
0845-0930	KEYNOTE: When the Impossible is Reality: Lack of Stroke Care in the U.S. (SUMMERLIN A, B, C) William Humphries, MD, MPH, FAANS Board Certified Cerebrovascular/Endovascular Neurosurgeon, WellStar Health System
0930-1000	COFFEE & SNACK BREAK Generously provided by Kandu Health (SUMMERLIN D, E, F)
1000-1020	DEBATE: Time Window for Resuming Anticoagulation Post-Stroke (SUMMERLIN A, B, C) CON-Dawn Meyer PhD, RN, FNP-C, FAHA Associate Professor, Dept of Neurosciences Stroke Hospitalist Nurse Practitioner, UC San Diego School of Medicine PRO-Justin Lowe, PA-C, ANVP-BC Department of Neurology Physician Assistant, Penn State Health Hershey Medical Center
1020-1040	DEBATE: Routine Anesthesia for Endovascular Thrombectomy (SUMMERLIN A, B, C) CON-Annette Davis, MS, AGACNP-BC, CNIC Neuro Endovascular Surgery Nurse Practitioner, Prisma Health Upstate PRO-Bryan Fill, MSN, APRN-FPA, FNP-BC, ANVP-BC, CNIC Neurointerventional Nurse Practitioner, Northwestern Medicine Central DuPage Hospital
1040-1100	DEBATE: Stroke Team is a 9-5 job (SUMMERLIN A, B, C) CON-Tanya Frost, MaAdN, NVRN-BC, ASC-BC, Stroke Clinical Nurse Consultant , The Melbourne Brain Center at the Royal Melbourne Hospital PRO-Skye Coote, MN, CCRN, ANVP-BC, NVRN-BC, ASC-BC Nursing Coordinator, Mobile Stroke Unit, The Melbourne Brain Center at the Royal Melbourne Hospital
1100-1145	Down and Dirty: MRI Interpretation for the Non-Radiologist (SUMMERLIN A, B, C) Abby Doerr, DNP, APRN, FNP-BC, ANVP-BC, CNIC, CVRN Director of Interventional, Imaging, CP Rehab and Non-invasive Cardiology, Northwestern Medicine Central DuPage Hospital
1145-1300	Lunch Program: Latest Data on Management of Factor Xa Inhibitor-Related Acute Major Bleeding Generously provided by AstraZeneca

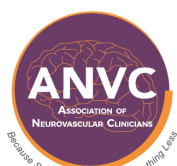


WELCOME RECEPTION & POSTER PRESENTATIONS

SUMMERLIN ROOMS D, E, AND F - RED ROCK CASINO RESORT AND SPA

NOVEMBER 11, 2023 FROM 5-7PM

The ANVC Annual Conference is the perfect venue to share original science and quality improvement in stroke care and management. Join us, as we recognize the various work submitted this year by peers demonstrating methods to improve stroke systems of care, clinical interventions, research, and innovative strategies to better develop stroke team members for the purpose of elevating stroke care.



SATURDAY, NOVEMBER 11, 2023 (continued)

SESSIONS	STROKE CENTER LEADERSHIP SESSIONS (Summerlin A, B, C)	INTERVENTIONAL RADIOLOGY SESSIONS (Charleston A, B, C)
1300-1330	A Successful Stroke Program: The Importance of EMS Collaboration with Hospital-Based Stroke Teams Harish Shownkeen, MD Neurointerventionalist	Determining Patient Candidacy for Endovascular Thrombectomy Julie Shawver, PA-C Stroke/Neurointerventional Physician Assistant, Promedica Stroke Network, Telestroke Regional Development Coordinator, Toledo, Ohio
1330-1400	Introducing a Stroke Navigator to a Stroke Program Patty Noah, MSN, RN Administrative Director, Stroke Program, AHN Allegheny General Hospital Leslie Pope, MSN, RN Nurse Navigator, Allegheny General Hospital	Artificial Intelligence-Supported Neuroimaging: Improving Interprofessional Stroke Team Communication, Response Times, and System Transfers Jennifer Patterson Turcotte, MSN, ACNP-BC, ANVP-BC, CCRN, FHM Lead Advanced Practice Provider, CHI Memorial Stroke and Neuroscience Center Lindsey Bourne, MNSc, APRN, AGACNP-BC, ANVP-BC Nurse Practitioner, Baptist Health
1400-1430	Automating Stroke Program Data Collection Sandi Shaw, MBA, RN, ASC-BC, FAHA System Stroke Program Director, Memorial Hermann Healthcare System	An Important Part of a Case: Radial vs Femoral Access Minarah Sabapthypillai, MN, CNIC Clinical Nurse Consultant, Neurointerventional Radiology, Monash Health, Melbourne Australia
1430-1500	In Self-Defense: Legal Considerations for Stroke Coordinators Morgan Boyer, MPH, RN, NVRN-BC, CNRN, SCRn, CTC Stroke Data Manager, University of Louisville Health	New Frontiers in Endovascular Aneurysm Treatment Scott Simon MD, FAANS Assistant Professor of Neurosurgery, Penn State Health Hershey Medical Center
1500-1530	Reframing the Stroke Coordinator Role: Recovering from Burnout Cesar Velasco, BSN, RN, ASC-BC Stroke Program Coordinator, Penn State Health Hershey Medical Center	Embolization for Subdural Hemorrhage Bryan Fill, MSN, APRN-FPA, FNP-BC Neurointerventional Nurse Practitioner, Northwestern Medicine Central DuPage Hospital
1530-1545	BREAK TO EXHIBIT HALL (SUMMERLIN D, E, F)	
1545-1630	You Don't Want the Smoke: An Approach to Smoking Cessation Samarth P. Shah, Pharm.D., BCPS Mercy Health	
1700-1830	WELCOME RECEPTION/POSTER PRESENTATION (SUMMERLIN D, E, F)	

Medtronic

Monitor longer. Fight secondary stroke.

Improve stroke patient
outcomes with insertable
cardiac monitoring^{1,2}



LINQ™ family of ICMs

Reveal LINQ™ ICM
& LINQ II™ ICM

Learn more



¹ Tsivgoulis G, et al. *Stroke*. 2019;50:2175-2180.

² Yaghi S, et al. *Heart Rhythm O2*. 2022;3:223-230.

UC202405312 EN ©2023 Medtronic. 09/2023

SUNDAY, NOVEMBER 12, 2023

0700-0800	Breakfast Program: Multi-disciplinary Care Pathways for Cryptogenic Stroke Generously provided by Medtronic Cardiovascular
0800-0845	Multimodal Monitoring of the Complex Critically Ill Stroke Patient (SUMMERLIN A, B, C) Khalid Alsherbini, MD Associate Professor of Neurology, University of Tennessee Health Science Center (UTHSC), Director of Neurocritical Care Fellowship
0845-0930	Endovascular Approaches to Pediatric Stroke Treatment (SUMMERLIN A, B, C) Lucas Eljovich, MD Professor in the Departments of Neurology and Neurosurgery, Semmes-Murphey Neurologic Institute, Director of Neurocritical Care, University of Tennessee Health Science Center, Director of Pediatric Neuroendovascular and Vascular Anomalies Clinic, Lebonheur Children's Hospital
0930-1015	Strike Back at Stroke: Exploring the Pharmacology of Secondary Stroke Prevention Medications Katherine L. March, Pharm.D., BCPS Assistant Professor, College of Pharmacy, University of Tennessee Health Science Center (UTHSC)
1015-1030	BREAK TO EXHIBIT HALL (SUMMERLIN D, E, F)
1030-1115	CODE ICH (SUMMERLIN A, B, C) Anne Alexandrov, Ph.D., AGACNP-BC, ANVP-BC, NVRN-BC, CCRN, FAAN Professor of Neurology & Nursing, University of Tennessee Health Science Center (UTHSC); Chief Nurse Practitioner, UTHSC Mobile Stroke Unit Professor & NET SMART Program Director
1115-1145	Perioperative Stroke Prevention in Patients Undergoing Cardiovascular Procedures (SUMMERLIN A, B, C) Zsolt Garami, MD Allison Family Centennial Endowed Director in Cardiovascular Innovation, Medical Director, Vascular Ultrasound Lab, Houston Methodist DeBakey Heart & Vascular Center
1145-1215	CASE STUDIES: Stroke Care in the Post-Interventional Cardiology Patient Population (SUMMERLIN A, B, C) Lindsay Staneck, MSN, APRN, FNP-BC, CCRN, SCRNI Nurse Practitioner, Northwestern Medicine Central DuPage Hospital
1215-1315	Boxed Lunch Generously Provided by ANVC General Assembly (SUMMERLIN A, B, C)
1330-1415	Clots and Coffee (SUMMERLIN A, B, C) Alicia Richardson, MSN, RN, ACCNS-AG, ANVP-BC, ASC-BC Clinical Nurse Specialist and Stroke Program Systems Director, Penn State Health Erin Cekovich, MSN, RN, ASC-BC, CPHQ Stroke Program Manager, Penn State Health Hershey Medical Center Cesar Velasco, BSN, RN, ASC-BC Stroke Program Coordinator, Penn State Health Hershey Medical Center Andrea Singer, BSN, RN Stroke Program Navigator, Penn State Health Hershey Medical Center

TRIAGE ACUTE STROKE

1 **RECOGNIZE** the symptoms of stroke, and those that may be easily missed^{1*}

Ask if symptom onset was **sudden**²

Determine the time the patient was last known well²

Look for common symptoms³

BALANCE



WATCH FOR DIZZINESS OR LOSS OF BALANCE

EYES



CHECK FOR VISION LOSS OR DOUBLE VISION

FACE



LOOK FOR UNEVEN SMILE

ARM



CHECK IF ONE ARM OR LEG IS WEAK

SPEECH



LISTEN FOR SLURRED SPEECH OR DIFFICULTY SPEAKING

TIME



BEGIN TRIAGE IMMEDIATELY

2 **CHECK** any that apply to your patient:

SYMPTOMS that may be **EASILY MISSED**¹

- ☐ DIFFICULTY WALKING
- ☐ DIZZINESS
- ☐ HEADACHE
- ☐ NAUSEA/VOMITING
- ☐ SEIZURE
- ☐ SYNCOPE (**FAINTING**)

POSTERIOR STROKES can be more **DIFFICULT TO IDENTIFY**^{4,5}

Common symptoms include:

- ☐ DIZZINESS
- ☐ DIPLOPIA (**DOUBLE VISION**)
- ☐ DYSARTHRIA (**DIFFICULTY SPEAKING**)
- ☐ DYSPHAGIA (**DIFFICULTY SWALLOWING**)
- ☐ ATAXIA (**LACK OF COORDINATION**)

3 **REVIEW** all stroke symptoms to assess for **disability**

- Y** **N**
- ☐ ☐ Do your patients consider any of their symptoms to be disabling?
 - ☐ ☐ Are they ambulatory?
 - ☐ ☐ Can they hold or understand a conversation?

4 **RESPOND QUICKLY** if a stroke is suspected

MAKE SURE TO ACTIVATE A STROKE CODE CALL: _____

SUNDAY, NOVEMBER 12, 2023 (continued)

1415-1515	<p>EXPERT PANEL: Transient Ischemic Attack (SUMMERLIN A, B, C)</p> <p>Rhonda Finnie, DNP, APRN, AGACNP-BC, ANVP-BC, ASC-BC Neurosurgery Nurse Practitioner, Advanced Practice Coordinator, Baptist Health-Little Rock</p> <p>Jennifer Patterson Turcotte, MSN, ACNP-BC, ANVP-BC, CCRN, FHM Lead Advanced Practice Provider, CHI Memorial Stroke and Neuroscience Center</p> <p>Ann Leonhardt Caprio DNP, RN, ANP-BC, SCRNP, FAHA Nurse Practitioner, University of Rochester</p>
1515-1545	<p>BREAK TO EXHIBIT HALL (SUMMERLIN D, E, F)</p>
1545-1630	<p>ANVC 2024: A LOOK AT WHAT'S AHEAD (SUMMERLIN A, B, C)</p> <p>Alicia Richardson, MSN, RN, ACCNS-AG, ANVP-BC, ASC-BC Clinical Nurse Specialist and Stroke Program Systems Director, Penn State Health Hershey Medical Center</p>

PROGRAM SCHEDULE AND ROOM ASSIGNMENTS SUBJECT TO CHANGE



In support of improving patient care, this activity has been planned and implemented by Arizona State University and ANVC. Arizona State University is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

This activity was planned by and for the healthcare team, and learners will receive 12.75 Interprofessional Continuing Education (IPCE) credit for learning and change.



THANK YOU TO ALL OUR PARTNERS



THANK YOU TO ALL OUR PARTNERS

Medtronic

RAPIDAI.

 **pulsara**[®]

ceribell[®]
Point-of-Care EEG

aidoc

DWL
USA

Endophys
Measuring physiology  where it happens.

 **RAPID**MEDICAL[™]

Image  **Monitoring** **USA**

 **SEVARO**

 **Micro**Vention[®]
TERUMO

Penumbra



Official Journal of the Association of Neurovascular Clinicians

STROKE CLINICIAN

Topics of Interest

Primary or secondary stroke prevention topics

Stroke emergency management

Innovative strategies for organizing stroke care or stroke programs

Acute diagnosis and interprofessional management topics in patients with ischemic or hemorrhagic stroke

Neurocritical care of stroke patients

Complication avoidance and complication management in stroke patients

Transitions in stroke care across the continuum

Stroke center certification preparation

Stroke program quality improvement projects

Educational preparation of stroke clinicians and/or stroke patients

Stroke practice protocols and methods to standardize practice

Innovative stroke unit organization and structure



Stop by and see us at our booth in the exhibit hall!

ANVC's
official
journal

Official Journal of the Association of Neurovascular Clinicians

STROKE CLINICIAN

Looking to have your work published?

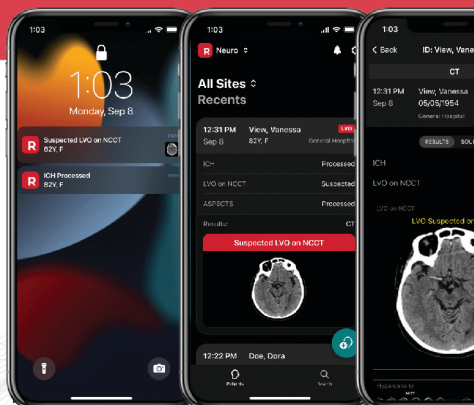
submit your publication
today at:

journals/psu.edu/strokeclinician

DEEP AI INNOVATIONS WITH RAPIDAI

Cutting-Edge technology for Non-Contrast CT imaging

- | Rapid NCCT Stroke
- | Rapid ICH
- | Rapid Hyperdensity
- | Rapid ASPECTS
- | Rapid Hypodensity



Stop by the RapidAI table
and request a demo or scan
the QR code to learn more.



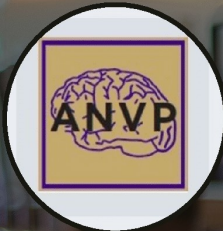
RAPIDAI

NVC-3

NEUROVASCULAR
CLINICIANS
CERTIFICATION
CORPORATION

*Win Big
with*

**NEUROVASCULAR
CERTIFICATION**



WWW.ANVC.ORG/NVC3

Accuracy Matters.

Viz.ai is closing the gaps between patients, clinicians, and life-saving treatments.

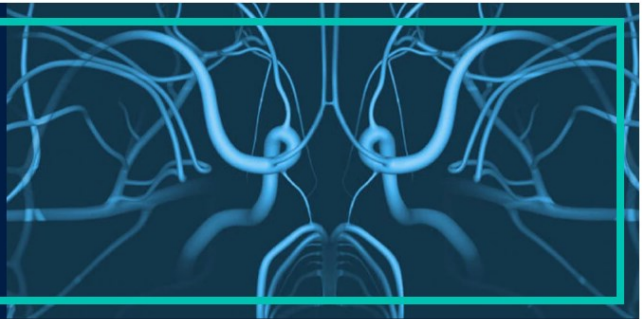
AI detection you can trust.



Visit **www.viz.ai** to start a conversation.

TRANSFORMING STROKE CARE, TOGETHER.

We are committed to delivering meaningful innovation to advance stroke treatment.



Medtronic

ANDEXXA 55%
price reduction
in wholesale acquisition cost*

Please see full Prescribing Information, including Boxed WARNING, available from a representative.

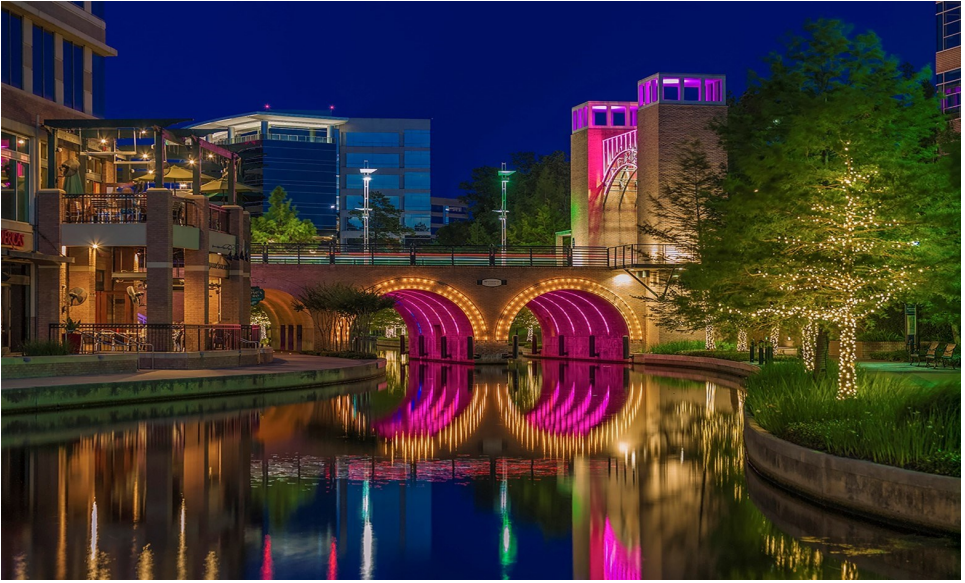


^aAs of April 1, 2022.
ANDROXIA is a registered trademark of the AstraZeneca group of companies.
©2022 AstraZeneca. All rights reserved. US-70753-01/20

Andexxa
Coagulation Factor Xa
(Recombinant), Inactivated-*stx*

NOTES

[illegible]



Save the date to join us at the
2024 ANVC CONFERENCE
HOUSTON, TEXAS | NOVEMBER 13-16th, 2024

The Association of Neurovascular Clinicians (ANVC) is dedicated to the creation of seamless neurovascular care services led by evidence-empowered clinicians, that fully support the holistic needs of patients and their families.

As the number one cause of preventable disability, neurovascular disease demands excellence in clinical services to reduce disability and death. Neurovascular clinicians depend on ANVC to empower them with knowledge and skills, because our patients deserve nothing less.

