

2024 UPMC NEUROSCIENCE CONFERENCE

Friday, March 1, 2024
7:30 a.m. to 12:15 p.m.

This **virtual conference for nurses** will explore the latest developments and techniques in the care of the neuroscience, stroke, neurotrauma, and neurosurgical patient populations.

Target Audience:

Nurses and advance practice nurses.

Location: Microsoft Teams

Registration fee: \$0

This conference is approved for the following credit: ANCC

Questions? Contact **Sarah Orzeno** at cooksm3@UPMC.edu.

Register with this link:

Link to come

- Registration is complimentary and pre-registration is required.
- All cancellations must be sent via email to cooksm3@upmc.edu.

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Overview: Neuroscience nursing care is a unique and demanding specialty requiring nursing staff to be up-to-date with the latest developments in neurosurgical, neurotrauma, stroke, and neuroscience patient care. This educational activity will provide nurses with the opportunity to learn from providers leading efforts to revolutionize interventions and treatments in this field. Augmented reality is becoming increasingly incorporated in the medical field to assist surgeons with performing high-quality procedures through easily accessing and incorporating patient imaging in the operative setting. Minimally-invasive techniques are further developing to incorporate the use of lasers — specifically, laser interstitial thermal therapy (LITT) — preserving as much brain parenchyma as possible while decreasing the need for large surgical incisions. Significant advancement in stroke patient care has been made in recent decades. Specific focus on primary stroke prevention has resulted in new techniques to treat carotid artery disease through the use of transcarotid artery revascularization (TCAR) procedure. Lastly, while treatment options are necessary in the neuroscience field, diagnostics play an equally integral part in the comprehensive care of neurotrauma patients. Advancement of biomarker knowledge has demonstrated potential diagnostic tools to be used in effectively determining if neurological trauma has occurred.

Learning Objectives: Explore new techniques to enhance neurosurgical procedures using augmented reality (AR). Describe details of minimally-invasive procedures utilizing laser interstitial thermal therapy (LITT) in the neurosurgical oncology patient population. Identify nursing care considerations for patients who undergo transcarotid artery revascularization (TCAR) procedure. Correlate the use of biomarkers for diagnosing neurological trauma through the use of serum testing.

In support of improving patient care, the University of Pittsburgh 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.

Nursing (CNE)

The maximum number of hours awarded for this Continuing Nursing Education activity is XX contact hours.

Other Healthcare Professionals: *Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.*

| Time | Agenda |
|-------------------|--|
| 7:30 - 7:45 a.m. | Welcome <i>Sarah Ortenzo, programmatic nurse specialist, UPMC Presbyterian, Pittsburgh, Pa.</i> |
| 7:45 - 8:45 a.m. | Innovations in Life Changing Medicine for Traumatic Brain Injury Patients <i>Dr. David Okonkwo, research, physician, UPMC Presbyterian, Pittsburgh Pa.</i> |
| 8:45 - 9:45 a.m. | Understanding TCAR: Preoperative, Intraoperative, and Post-Operative Care” <i>Dr. Natalie Sridharan, clinician, physician, UPMC Presbyterian, Pittsburgh Pa.</i> |
| 9:45 - 10 a.m. | Break |
| 10 - 11 a.m. | Augmented Reality’s Role in Neurosurgery <i>Dr. Edward Andrews, clinician, physician, UPMC Mercy, Pittsburgh Pa.</i> |
| 11 a.m. - 12 p.m. | Minimally Invasive Surgery for Brain Tumors <i>Dr. Kalil Abdullah, research, physician, UPMC Shadyside, Pittsburgh Pa.</i> |
| 12 - 12:15 p.m. | Closing Remarks and Adjournment <i>Kate Spiering, programmatic nurse specialist, UPMC Presbyterian, Pittsburgh, Pa.</i> |