
Overview of the Care of the Patient with Acute Ischemic Stroke

Objective

- Review updates and progress in nursing care of the patient with acute ischemic stroke.

North Carolina Stroke Coordinators Meeting
July 13, 2023





Detection

An aerial view of a massive crowd of people of various ethnicities and ages, densely packed to form the geographical outline of the United States. The crowd is set against a plain white background. The text 'Targeted Community Education' is centered over the crowd in a white, sans-serif font.

Targeted Community Education



Focus on Disparities
in Stroke Care





EMS Education



Recognizing Suspected Acute Stroke



TAG -
Name
MOR
life
Details

TAG - TRIAGE
Name
MINOR
can wait
Details

TAG - T
Name
DELAY
1-2 h
Details

TAG - TRIAGE
Name
IMMEDIATE
urgent
Details
Stroke

Stroke



Stroke Alert



**American
Stroke
Association.**
A division of the
American Heart Association.



Thrombolytic Treatment

- Tenecteplase
- Alteplase



Focus on
Handoff
Communication
between
departments



Monitoring for Patient Safety

OPTIMIST*main*



Optimal Post Tpa-iv Monitoring in Ischemic Stroke

Pre and Post Procedural Care

Post procedural monitoring begins at Sheath removal and hemostasis occurs

- Document Sheath removal time
- Monitor every 15 minutes for 1 hours, every 30 minutes for 1 hours and every hour for 4 hours

Neurological Status and Vital Signs Assessment using the same Criteria of Pre-Assessment; Compare findings

Site and Vascular Assessment

- Transradial- Follow Manufactures guidelines for release of pressure from device. Assess distal circulation
- Femoral-Assess site and distal circulation including pulses



Mechanical Thrombectomy

VESSEL PERFORATION/DISSECTION

EXTENSION OF THE INFARCT

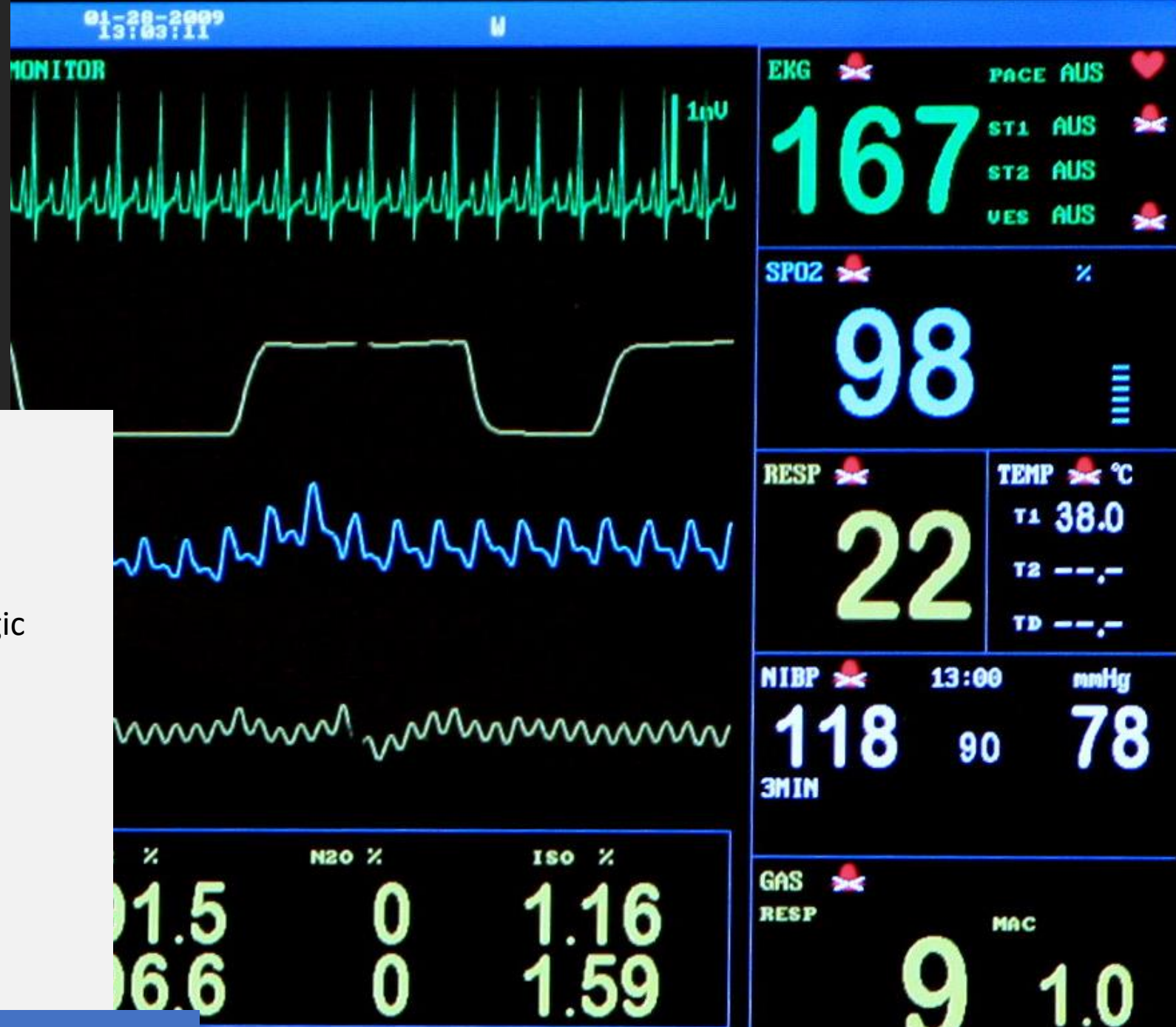
INCREASED CEREBRAL EDEMA

REACTIONS TO ANESTHESIA

CONTRAST MEDIA REACTION

ICU Nursing Care

- Assessment and Recognition of Patient Status
- Airway Breathing, Circulation, Neurologic
- Documentation is dependent on Interventions
 - Thrombolytic
 - Thrombolytic with Mechanical Thrombectomy
 - Mechanical Thrombectomy



Transitions and Goals of Care

- Understanding the Patients and Families Goals of Care
- Early Intervention of Palliative Care when needed



2023

AANN ADVANCES IN STROKE CARE CONFERENCE

Thursday, August 3-Saturday, August 5, 2023
Louisville, KY



AANN.org/StrokeConference



International Stroke Conference 2023

#ISC23

TUESDAY
FEBRUARY 7

6:00 AM CT
-
7:30 AM CT

7:30 AM CT
-
12:30 PM CT

12:30 PM CT
-
6:00 PM CT

Stroke Nursing Symposium
HEADS-UP Pre-Con
Stroke in the Real World Pre-Con
Stroke in the Lab World Pre-Con

Stroke Nursing Symposium
HEADS-UP Pre-Con
Stroke in the Real World Pre-Con
Stroke in the Lab World Pre-Con



Share Knowledge

10th European Stroke Organisation Conference

15-17 May 2024, Basel, Switzerland



Stroke Advisory Council Meetings

Upcoming Meetings

Please email info@startwithyourheart.com to register.

2023 Meetings

All meetings from 1-2:30 PM

- **August 8** in the Eagle Room, Division of Public Health, 3F, 5605 Six Forks Road, Raleigh, NC 27609 – hybrid
- **November 8** - virtual

Previous Meetings

All documents included in this section are PDFs. Permission has been granted by presenters to post presentations on the website. Any reproduction of information presented at a Stroke Advisory Council meeting should be appropriately cited.

webinar and your slides that are posted on our website under August 16, 2022:

<https://www.startwithyourheart.com/stroke-advisory-council/sac-meetings/>



Questions?

References

Ashcraft S, Wilson SE, Nystrom KV, et al. (2021). Care of the patient with acute ischemic stroke (prehospital and acute phase of care): Update to the 2009 comprehensive nursing care scientific statement. *Stroke* 2021;52-00-00. DOI: 10.1161/STR:0000000000000356.

Bell SD, Lee CC, Zeeman J, et al (2021). Neurological assessment of the adult hospitalized patient. AANN.

Duvekot M, Venema E, Rozeman AD, et al. (2021). Comparison of eight prehospital stroke scales to detect intracranial large-vessel occlusion in suspected stroke (PRESTO): a prospective observational study. *The Lancet Neurology*, 20(3); 213-221. DOI: [https://doi.org/10.1016/S1474-4422\(20\)30439-7](https://doi.org/10.1016/S1474-4422(20)30439-7)

Grota J, et al. Prospective, multicenter, controlled trial of mobile stroke units. *N Engl J Med* 2021; 385:971-981 DOI: 10.1056/NEJMoa2103879

Norma McNair, PhD, RN, FAHA; Janice L. Hinkle, PhD, RN, FAHA; Sandy Middleton, PhD, RN, FAHA; Elaine T. Miller, PhD, RN, FAHA; Stacy Perrin, PhD, RN; Martha Power, MSN, APRN, FAHA; Andrew M. Southerland, MD, MSc, FAHA; Deborah Summers, MSN, RN, FAHA on behalf of the Stroke Nursing Science Sub-Committee of the Council on Cardiovascular and Stroke Nursing and the Stroke Council

Jauch EC, Schwamm, LH, Panagos, PD, et al. (2021). Recommendations for regional stroke destination plans in rural, suburban, and urban communities from the prehospital stroke system of care consensus conference. *Stroke* 52:e133-e152. DOI: 10.1161/STROKEAHA.120.033228.

Rodgers ML, Fox E, Abdelhak T, Franker LM, Johnson BJ, Kirchner- Sullivan C, Livesay SL, Marden FA; on behalf of the American Heart Association Council on Cardiovascular and Stroke Nursing and the Stroke Council. Care of the patient with acute ischemic stroke (endovascular/intensive care unit-postinterventional therapy): update to 2009 comprehensive nursing care scientific statement: a scientific statement from the American Heart Association. *Stroke*. 2021;52:e198–e210. doi: 10.1161/STR.0000000000000358