

Inhaled Nitric Oxide in Acute Ischemic Stroke Patients Undergoing Mechanical Thrombectomy

NCT05871606

Status	RECRUITING
Phase	Phase 1
Sponsor	Wake Forest University Health Sciences
Enrollment	36 participants

Key Eligibility Criteria

Inclusion (10)

- Age 18 and \leq 80
- Clinical evidence of acute ischemic (non-bleeding) stroke (AIS) with NIH Stroke Scale of 6 or higher
- Non-contrast Computed tomography (CT) Head with ASPECT (Alberta Stroke Program Early CT) score 6
- Symptom onset began \leq 16 hours from initiation of intra-arterial mechanical thrombectomy (IAMT) procedure
- CT Angiogram (CTA) evidence of anterior circulation MCA (Middle Cerebral Artery) M1 segment occlusion.

... and 5 more (see full listing online)

Exclusion (15)

- Hypotension at presentation, defined as systolic blood pressure (SBP) \leq 100 or MAP \leq 60; profound hypertension with SBP \geq 185 or DBP \geq 110mmHg unable to be controlled with IV medications
- Inability to undergo a brain MRI (e.g., implanted pacemaker)
- Patients who received IV tPA \geq 4.5hrs after symptom onset
- Coagulopathy, defined as platelet count \leq 50,000, INR \geq 3.0, PTT \geq 3x normal, use of novel anticoagulants with eGFR \leq 30ml/min
- Vulnerable Subjects including: mentally ill or incompetent patients, those with diminished decision-making capacity, prisoners, inpatient care for long-term chronic illness, terminally ill, pregnant women, and children

... and 10 more (see full listing online)

Locations (2 total)

Carolinas Medical Center, Charlotte, North Carolina, United States
Atrium Health, Charlotte, North Carolina, United States

<https://clinicaltrials.gov/study/NCT05871606>

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