

# Management of Ischemic Stroke

Gary L. Bernardini, MD, PhD

Dileep R. Yavagal, MD

This month's quiz is based on the article "Management of Ischemic Stroke: Current Concepts and Treatment Options," which begins on page 13 of this issue. Choose the single best answer for each question.

- All of the following are nonmodifiable risk factors for stroke EXCEPT:**
  - Age
  - Hypertension
  - Race
  - Gender
- The hypoperfused area of brain around the core of infarction that is salvageable if cerebral blood flow is rapidly restored is called**
  - Collateral flow
  - Cytotoxic edema
  - The ischemic penumbra
- Which of the following stroke risk factors is best treated with anticoagulation?**
  - Aortic arch plaque
  - Atrial fibrillation
  - Carotid disease
  - Patent foramen ovale (PFO)
- The percentage of ischemic stroke patients in the United States who receive intravenous recombinant tissue-plasminogen activator (rt-PA) therapy ranges from**
  - 2%–5%
  - 5%–10%
  - 15%–20%
  - 25%–30%
- According to the National Institute of Neurological Disorders and Stroke (NINDS) trial, what is the therapeutic time window for intravenous rt-PA and the duration of time over which significant neurologic improvement is expected with rt-PA?**
  - 3–6 hours, 1 day
  - ≤ 3 hours, 1 day
  - ≤ 90 minutes, 90 days
  - ≤ 3 hours, 90 days
- A stroke in which area of the brain would cause aphasia?**
  - Left hemisphere
  - Right hemisphere
  - Pons
  - Cerebellum
- Which of the following results was seen in the Prolyse in Acute Cerebral Thromboembolism (PROACT) II trial, which evaluated intra-arterial treatment of acute stroke with pro-urokinase?**
  - Nonsignificant benefit in 90-day outcomes in the treatment arm
  - Worse outcome in 90-day outcomes in treatment arm
  - Better outcome in 90-day outcomes in placebo arm
  - Significant benefit in 90-day outcomes in treatment arm
- In the prospective multicenter, nonrandomized Mechanical Embolus Removal in Cerebral Ischemia (MERCII) trial, the rate of recanalization with mechanical embolus removal was**
  - 18%
  - 30%
  - 46%
  - 66%

For answers, see page 60.

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*Dr. Bernardini is an associate professor, Departments of Neurology and Neurosurgery, and director, Stroke and Neurocritical Care. Dr. Yavagal is an assistant professor, Departments of Neurology and Neurosurgery, and co-director of neuroendovascular surgery; both are at Albany Medical Center, Albany, NY.*

**Answers to the Clinical Review Quiz which appears on page 48. The article on management of ischemic stroke begins on page 13.**

1. (B) Hypertension
2. (C) The ischemic penumbra
3. (B) Atrial fibrillation
4. (A) 2%–5%
5. (D)  $\leq 3$  hours, 90 days
6. (A) Left hemisphere
7. (D) Significant benefit in 90-day outcomes in treatment arm
8. (C) 46%

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