

## Stroke Video Test Questions

1. What is the Ideal recommended head of bed position during intracranial hemorrhage transfer?
  - a. 30 degrees
  - b. 45 degrees
  - c. Flat
  - d. 90 degrees
2. Patients having an ischemic stroke are at an increased risk for neurologic deterioration if they have which of the following risk factors?
  - a. Advanced age
  - b. Large vessel occlusion
  - c. tPA use
  - d. All the above
3. At what rate should normal saline be infused after TPA administration?
  - a. 100cc/hr.
  - b. 175cc/hr.
  - c. Same rate as tPA infusion
  - d. 75cc/hr.
4. During ischemic stroke transfer the position of the head of the stretcher that promotes the most cerebral blood flow is \_\_\_.
  - a. 30 degrees
  - b. 45 degrees
  - c. Flat
  - d. 90 degrees
5. Patient's lips and tongue should be examined every \_\_\_ minutes for signs of angioedema.
  - a. 5 minutes
  - b. 10 minutes
  - c. 15 minutes
  - d. 20 minutes
6. What is the approximate half-life of TPA?
  - a. 5 minutes
  - b. 10 minutes
  - c. 15 minutes
  - d. 20 minutes

7. Neurological checks (Mini- NIHSS) should be done every \_\_\_ minutes.
  - a. 5
  - b. 10
  - c. 15
  - d. 20
  
8. Raising the head of the bed to 30 degrees is appropriate in the following circumstances except:
  - a. All patients with ischemic stroke
  - b. All patients with hemorrhagic stroke
  - c. An ischemic stroke patient with trouble managing secretions
  - d. An ischemic stroke patient with suspected high intracranial pressure
  
9. If a suspected stroke patient develops angioedema or a new rash in transit, administer epinephrine:
  - a. True
  - b. False
  
10. During transport to a comprehensive stroke center, a tPA patient suddenly develops nausea, a new headache and an increase in the mini NIHSS by 3 points. What is the best action to take?
  - a. Increase the tPA rate
  - b. Hyperventilate
  - c. Contact the accepting physician
  - d. Apply Nitropaste
  
11. For a stroke patient in transit, treat nausea with:
  - a. promethazine oral
  - b. promethazine IV
  - c. ondansetron oral
  - d. ondansetron IV
  
12. Just following tPA infusion, your patient's BP is 192/108 with a HR of 62. If available, which is the preferred treatment to reduce the blood pressure?
  - a. Labetalol IV
  - b. Nitropaste transdermal
  - c. Nifedipine IV
  - d. Hydralazine IV
  
13. During transport, your ischemic stroke patient's BP drops from 140/84 to 88/60? What is the best course of action?
  - a. Elevate the HOB to 30 degrees
  - b. Administer a bolus of normal saline 250 cc
  - c. Administer a bolus of normal saline 1000cc
  - d. Administer Epinephrine

14. You are picking up a patient with tPA infusing at a level 3 hospital for transport to a level 1. What do you expect to receive?

- a. The Acute Ischemic Stroke/Post- Thrombolysis for EMS Inter-hospital Transfer form with the receiving facility, MD name and phone # and the time tPA was initiated.
- b. Medications needed to maintain blood pressure control during transport
- c. Handoff including report and co-performance (sending RN and receiving paramedic) of the mini-NIHSS
- d. All of the above

15. During your initial assessment, the patient is alert and gives their correct age and current month. On command, they open and close both eyes and can make a fist and open with the nonparetic hand. They are able to hold their RUE and RLE outstretched for 10 and 5 seconds respectively without drift.

They can only wiggle the fingers of their LUE without lifting their arm off the stretcher and lift their LLE off the bed, but drift down and hit the bed at 3 seconds. What is their MINI-NIHSS score?

LOC 1a	0
LOC 1b	0
LOC 1c	1
Motor RUE	0
Motor LUE	2
Motor RLE	0
Motor LLE	2
Total mini-NIHSS	5

LOC 1a	0
LOC 1b	0
LOC 1c	0
Motor RUE	0
Motor LUE	3

Motor RLE	0
Motor LLE	2
Total mini-NIHSS	5

LOC 1a	0
LOC 1b	1
LOC 1c	1
Motor RUE	3
Motor LUE	0
Motor RLE	2
Motor LLE	0
Total mini-NIHSS	7

LOC 1a	0
LOC 1b	0
LOC 1c	1
Motor RUE	0
Motor LUE	3
Motor RLE	0
Motor LLE	2
Total mini-NIHSS	6

16. You perform the Mini-NIHSS and find that your patient does not initially respond to you until you speak loudly and you nudge him. He is able to tell you the current month and age. He did not follow the two commands given with the first request and fell asleep when you attempted to demonstrate the actions. After shaking the patient's shoulder, he is able to lift each extremity to gravity, but all limbs drift down and touch the stretcher prior to 5 seconds. What is the score?

LOC 1a	2
LOC 1b	0
LOC 1c	0
Motor RUE	1
Motor LUE	1
Motor RLE	2
Motor LLE	2
Total mini-NIHSS	8

LOC 1a	0
LOC 1b	0
LOC 1c	0
Motor RUE	1
Motor LUE	1
Motor RLE	1
Motor LLE	1
Total mini-NIHSS	4

LOC 1a	1
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LOC 1b	1
LOC 1c	2
Motor RUE	2
Motor LUE	2
Motor RLE	0
Motor LLE	0
Total mini-NIHSS	8

LOC 1a	1
LOC 1b	0
LOC 1c	2
Motor RUE	2
Motor LUE	2
Motor RLE	2
Motor LLE	2
Total mini-NIHSS	11

17. You perform the Mini-NIHSS and find that your patient is awake and alert, with a left gaze preference. She is unable able to tell you the current month and her age. She did not follow the two commands given verbal command, but could mimic close and open eyes when you demonstrated the action. She did not close and open either fist despite demonstration of the action. She mimics your request to hold her left arm and leg up without drift for 10 and 5 seconds, respectively. She has some antigavity in the right arm, but the arm hits the bed at the count of 8. She has a subtle drift in the left leg by the count of 5. What is the score?

LOC 1a	2
LOC 1b	0

LOC 1c	0
Motor RUE	1
Motor LUE	1
Motor RLE	2
Motor LLE	2
Total mini-NIHSS	8

LOC 1a	0
LOC 1b	0
LOC 1c	0
Motor RUE	1
Motor LUE	1
Motor RLE	1
Motor LLE	1
Total mini-NIHSS	4

LOC 1a	0
LOC 1b	2
LOC 1c	1
Motor RUE	2
Motor LUE	0
Motor RLE	1
Motor LLE	0

Total mini-NIHSS	6
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LOC 1a	1
LOC 1b	0
LOC 1c	2
Motor RUE	2
Motor LUE	2
Motor RLE	2
Motor LLE	2
Total mini-NIHSS	11

18. The receiving physician should be called to notify of all of the following except:

- a. increase in NIHSS by 2 or more points
- b. oozing from a peripheral IV site which is controllable by application of pressure
- c. BP <90/60 despite 2 boluses of 250cc normal saline
- d. any concern for patient safety

19. The current month of the year should be asked before asking the patient's age?

- a. True
- b. False

20. The educational video has improved your understanding of the post-tPA for stroke evaluation and management?

- a. True
- b. False