Break Down the NIHSS

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No Disclosures
NIH Stroke Scale History

• The first use of NIH Stroke Scale was in therapy trials in 1984 and 1985
• The scale composed of seven different scales
• Trials for Activase (tPA) medication was published in December of 1995
Level Of Consciousness

- Open & Close Eyes
- Grip & Release hand
- Make a fist

Age
Month
Best Gaze

- Eye deviation
- Eyes unable to look toward the opposite side
- III Oculomotor
- IV Trochlear
- VI Abducens
Visual

- II Optic
- Vertebrobasilar lesion
- Posterior Circulation Stroke
Facial Palsy

- Involvement of forehead
- VII Facial
Motor Function
Best language & Dysarthria

MAMA
TIP – TOP
FIFTY – FIFTY
THANKS
HUCKLEBERRY
BASEBALL PLAYER
Extinction & Inattention

Normal view

Neglect and Anosognosia

Model

Patient’s copy
Case Study #1

- 70 year old Male

- Unwitnessed stroke

- Arrived an hour after onset

- Health risks high blood pressure, vertebral artery stenosis, high cholesterol
• Patient complains of headache, vision disturbances, and feeling off balance. When vision tested patient stated Left vision was blacked out on the outside.

• BP 172/90

• NIHSS??
• What type of stroke?
• Location of stroke?
• Size of lesion?
• CT or MRI?
• Do you see the stroke??
Case Study 2
• Witnessed stroke
• Arrived with-in 17 min
• 80yr old Female
• Patient history
  - Atrial fibrillation-only on ASA
• She seemed to only respond to pain, unable to answer questions, unable to follow commands, her eyes kept wanting to look right, right eye didn’t respond to threat, couldn’t move lower part of face, couldn’t move right arm, couldn’t move right leg, patient was aware of being touched but she didn’t respond the same on both sides, the words that were spoken were fragmented, couldn’t understand what she said, didn’t know her arm

• NIHSS???????
• What Type of stroke?
• Location of stroke?
• Size of lesion?
• CT or MRI?

• Do you see the stroke??
Case Study 3

- Witnessed stroke
- Arrived with in 10 min
- 48yr old Female

- Patient history
  - Smoking, high blood pressure
• She was alert, struggled with a question, her lower face didn’t move on the right side, she was able to move her eyes and see what numbers were shown, she could lift her right arm for almost 10 seconds, she struggled to touch her nose, her speech was fragmented and unintelligible.

• NIHSS???
• What Type of stroke?
• Location of stroke?
• Size of lesion?
• CT or MRI?

• Do you see the stroke??
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References


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