



CASE PRESENTATION

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CASE PRESENTATION

PREHOSPITAL CARE REPORT



Dispatched:	08:09:2
Enroute:	08:10:2
On Scene:	08:22:1
At Patient Side:	08:23:0

CASE PRESENTATION

TRANSFER OF CARE

To Hospital:	08:43:50
At Hospital:	08:56:53
Available:	09:36:00



EMS- HPI

Acute onset mouth difficulty speaking, provoked by nothing with severity 10 on scale of 10.

52-yr-old male lives at home. Med hx: HTN & asthma. Pt. awoke in am w/o any discomfort pain or medical conditions.

08:09 symptoms started as stated above: 911 activated.

08:22 EMS arrived to find pt. on edge of his bed with ABC's intact, but unable to formulate words. Pt. did have snoring respirations while seated upright, slight rt. facial droop, expressive aphasia, and mild rt. arm weakness. BG 124. BP 162/120, Pulse 100,

Glasgow Coma Scale: Eyes: 4, Verbal: 2, Motor: 6, Total: 12

Stroke Scale- Right facial droop, Rt. arm drift, Aphasic- speech

Pain Scale: 0/10



At Hospital - ED

- 08:57 Pt. in exam room- EKG, Labs drawn- STROKE CODE CALLED
- 09:07 To CT- 1st slice
- 09:09 Last CT slice
- 09:12 CT report to ED MD- no hemorrhage. EKG- normal. Blood work- normal.
- 09:20 Back to room from CT. Stroke Coordinator evaluating pt. MDs considering tPA
Neurologist arrives. Pt. weighed for tPA administration.

Other Medical Hx: sleep apnea, hyperlipidemia, HTN.

BP: 199/137, Pulse 100, Resp: 18. Cranial nerves- expressive aphasia, gag reflex- diminished, rt. facial droop, rt. eye: no movement. Left- visual fields are intact and EOM's intact. Right (arm/leg) 4/5 motor, Left (arm/leg)- 5/5.

NIH STROKE SCALE ?



NIH STROKE SCALE

1.a. Level of Consciousness SCORE _____	0 Alert 1 Not alert, but arousable with minimal stimulation. 2 Not alert, requires repeated stimulation to attend. 3 Coma
1.b. Ask patient the month and their age: SCORE _____	0 Answers both correctly 1 Answers one correctly 2 Both incorrect
1.c. Ask patient to open and close eyes SCORE _____	0 Obeys both correctly 1 Obeys one correctly 2 Both incorrect
2. Best gaze (only horizontal eye movement): SCORE _____	0 Normal 1 Partial gaze palsy 2 Forced deviation
3. Visual Field testing: SCORE _____	0 No visual field loss 1 Partial hemianopia 2 Complete hemianopia 3 Bilateral hemianopia (blind including cortical blindness)
4. Facial Paresis (Ask patient to show teeth or raise eyebrows and close eyes tightly): SCORE: _____	0 Normal symmetrical movement 1 Minor paralysis (flattened nasolabial fold, asymmetry on smiling) 2 Partial paralysis (total or near total paralysis of lower face) 3 Complete paralysis of one or both sides (absence of facial movement in the upper and lower face)
5. Motor Function - Arm (right and left): Right arm _____ Left arm _____ SCORE _____ Do Not Include Untestable Score	0 Normal (extends arms 90 (or 45) degrees for 10 seconds without drift) 1 Drift 2 Some effort against gravity 3 No effort against gravity 4 No movement X Untestable (Joint fused or limb amputated)
6. Motor Function - Leg (right and left): Right leg _____ Left leg _____ SCORE _____ Do Not Include Untestable Score	0 Normal (hold leg 30 degrees position for 5 seconds) 1 Drift 2 Some effort against gravity 3 No effort against gravity 4 No movement X Untestable (Joint fused or limb amputated)
7. Limb Ataxia SCORE _____	0 No ataxia 1 Present in one limb 2 Present in two limbs
8. Sensory (Use pinprick to test arms, legs, trunk and face -- compare side to side) SCORE _____	0 Normal 1 Mild to moderate decrease in sensation 2 Severe to total sensory loss
9. Best Language (describe picture, name items, read sentences) SCORE _____	0 No aphasia 1 Mild to moderate aphasia 2 Severe aphasia 3 Mute
10. Dysarthria (read several words) SCORE _____	0 Normal articulation 1 Mild to moderate slurring of words 2 Near unintelligible or unable to speak 9 Intubated or other physical barrier
11. Extinction and inattention	0 Normal 1 Inattention or extinction to bilateral simultaneous stimulation in one of the sensory modalities 2 Severe hemi-inattention or hemi-inattention to more than one modality

TOTAL SCORE: _____

RATER NAME: _____ Date: _____


NIH STROKE SCALE

= 5



At Hospital - ED

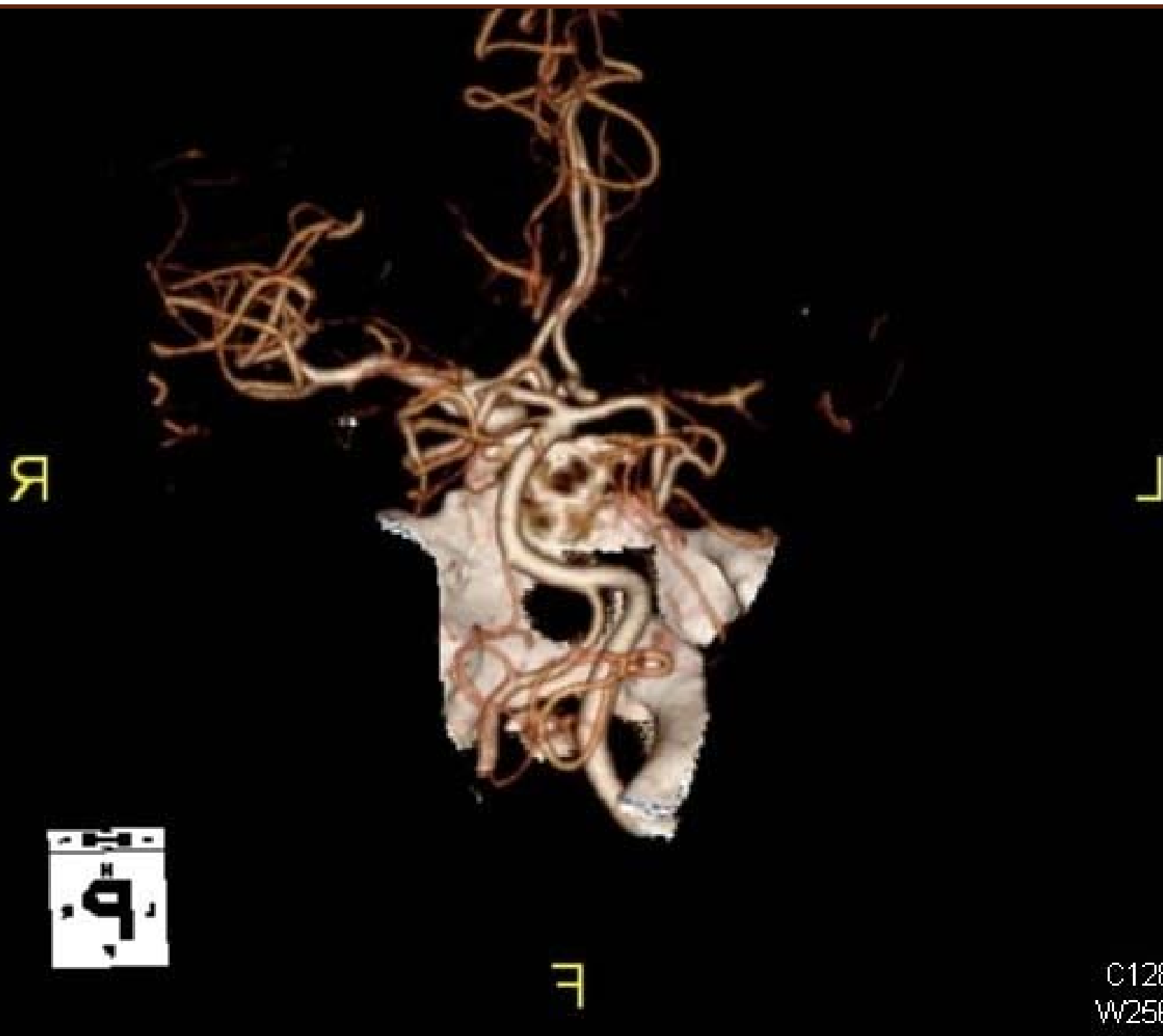
Inclusion/Exclusion criteria reviewed for tPA administration no exclusions noted.

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- 09:45 tPA- bolus administered
 - 10:20 Able to state "I'm ATM Dad"
 - 10:40 Speech continues to improve- full sentences
 - 11:15 Speech therapist arrives- ED pt. back to baseline except for some complex phrases.
 - 12:00 Transported to MRI

CT SCAN

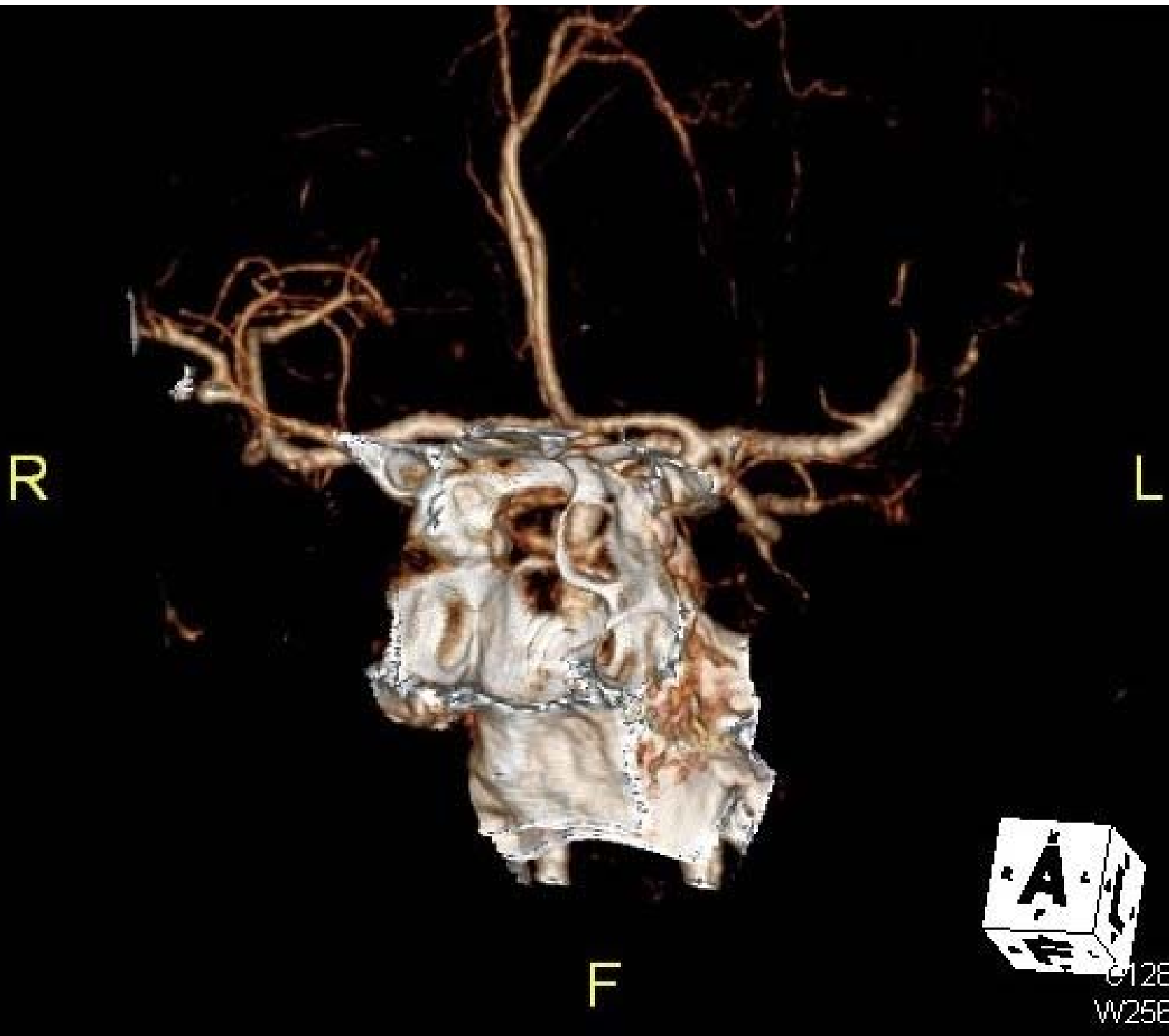


MRI SCAN



C128
W256

MRI SCAN



©128
W256

TRANSFER TO ICU



FOLLOW-UP

- Pt. underwent a sleep study + for sleep apnea now using a CPAP machine
- Seeing Internist regularly for BP monitoring.
- On statin for cholesterol
- Exercising daily
- No recurrence of symptoms, doing well!!



Questions?



**GREAT JOB
EVERYONE!**