



**SCENARIO 32 - IRENE CORNELL** 

MEDICAL CATEGORY: NEUROLOGY CASE DIFFICULTY: ADVANCED SIMULATION ENVIRONMENT: EMERGENCY ROOM

These patients are not real patients and their clinical cases, whilst clinically plausible, are fictional.

Version: V8

# OVERVIEW When taking care of her grandchildren. Irene suddenly felt difficulty in moving her right arm. Her family also noticed

	CONTE	XT	When taking care of her gran she had facial asymmetry an	dchildren, Irene suddenly felt o d was not talking properly.	difficulty in moving her right a	rm. Her family also noticed	
BRIEFING			Female, 72 years old. Sudden onset of speech impairment and right-sided weakness three hours ago. No previously known health conditions or medication.				
ĺ		GENERAL	Recognize acute stroke				
	LEARNING		Start vital signs vigilance in acute care;				
	OBJECTIVES	SPECIFIC	Performance of neurological assessments (NIHSS);				
	0202011120		Blood pressure management in acute stroke;				
			Knowledge of contraindicatio	ns to alteplase.			
			Patient name:	Irene Cornell	Age (years):	72	
	DATIC	1 <b>.</b>	BMI:	28.7 (overweight)	Sex:	Female	
	PATIEI CHARACTER		Weight (kg):	80	Height (cm):	167	
	of a diversity of Live		Weight (lb):	176	Height (in):	66	
			Chronic conditions:	Hypertension.			
	Notes:	These patient	s are not real patients and the	ir clinical cases, whilst clinically	y plausible, are fictional.		

## ABCDE ASSESSMENT

CATEGORY	PARAMETERS	EVALUATION	PRIORITY
AIRWAY	Breath sounds	Normal	1st Priority
AIKWAT	Airway observation	clear	1st Priority
	Signs of respiratory distress	Tachypnea	1st Priority
	Respiratory rate	32/min	1st Priority
BREATHING	Chest excursion	Tachypnea	1st Priority
	Chest deformity, raised JVP, chest drains	Normal	1st Priority
	O2 Sat	88%	1st Priority
BREATHING	Chest percussion	Right: 1R- resonance; 2R- resonance; 3R- resonance; 4R- resonance; 5R- dullness.	Not a Priority
	Chest percussion	Left: 1L- resonance; 2L- resonance; 3L- superficial cardiac dullness; 4L- superficial cardiac dullness; 5L- resonance.	NOT a Phoney
	Chest palpation	2L- normal; 2R- normal	Not a Priority
	Pulmonary auscultation	Normal	2nd Priority
	Hands and digits	Pink and warm	1st Priority
	Heart rate	130 bpm	1st Priority
	Peripheral pulses	Carotid- strong and regular; Radial- strong and regular, equal on both sides; Femoral- strong and regular, equal on both sides; Dorsalis pedis- strong and regular, equal on both sides.	Not a Priority
CIRCULATION	Blood pressure	215 / 110 mmHg	1st Priority
	Capillary refill time (CRT)	1.3 seconds	Not a Priority
	Heart auscultation	Normal	2nd Priority
	Urinary output	139 mL/kg/h / 11120 mL/h	2nd Priority
	External hemorrhage (wounds), drains, concealed hemorrhage	No	2nd Priority
	Pupils (size, equality and reaction to light)	Equal and reactive to light	2nd Priority
DISABILITY	Level of consciousness (Glasgow Coma Scale)	12 (E4-V3-M5)	2nd Priority
	Blood Glucose	112 mg/dL / 6.216 mmol/L	1st Priority

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	Full body (front)*	Normal	Not a Priority
EXPOSURE	Full body (back)*	Normal	Not a Priority
EXPOSURE	Abdomen percussion	6R- tympanic; 7R- tympanic; 6L- tympanic; 7L- tympanic.	Not a Priority
	Abdomen palpation	Soft, depressible, painless. No visceromegaly.	Not a Priority
	Temperature	36.3 °C / 97.34 °F	2nd Priority

 $^{\ast}$  In the current version of the case, these procedures are not implemented.

Clinical Information					
Source:	Emergency medical team report				
Previous medication:	Family member informed that patient does not take any medication.				
Other information:	Onset of speech impairment, drowsiness and right sided weakness 3 hours ago.				
Note:	This information will appear automatically 3 minute after the start of the simulation.				

## DIALOGUES

## Specification of dialogues with the patient during simulation:

	PATIENT PRESENTS BROCA APHASIA DUE TO STROKE							
CATEGORY	Question Availability	#	QUESTION	PATIENT REPLY	REPLY CONDITIONAL	PRIORITY		
	-	1	How are you feeling?	Boo streen	-	1st Priority		
	After question 1 is asked	2	What happened to you?	Remeen leeff	-	1st Priority		
	-	3	Tell us about any health conditions you might have.	Diabeeknoow	-	2nd Priority		
Medical	-	4	Feeling pain?	Stree boo	-	1st Priority		
condition	-	5	Do you have diabetes?	Haavv laa	-	1st Priority		
	-	6	Any recent weight changes?	Boo streen	-	Not a Priority		
	-	7	History of severe illness?	Remeen leeff	-	2nd Priority		
	After question 2 is asked	8	Time since symptom onset?	Diabeeknoow	-	1st Priority		
	-	9	Do you have any allergies?	Stree boo	-	2nd Priority		
	-	10	Taking any medication?	Haavv laa	-	1st Priority		
Medication	-	11	Medication side-effects present?	Boo streen	-	2nd Priority		
	-	12	Describe your diet.	Remeen leeff	-	Not a Priority		
	-	13	Last time you ate?	Diabeeknoow	-	Not a Priority		
	-	14	What did you eat last time?	Stree boo	-	Not a Priority		
Nutrition	-	15	Snacks between meals?	Haavv laa	-	Not a Priority		
	-	16	Do you take dietary supplements?	Boo streen	-	Not a Priority		
		17	Have there been changes in appetite?	Remeen leeff	-	Not a Priority		
	-	18	How much do you walk each day?	Diabeeknoow	-	Not a Priority		
Activity	-	19	What were you doing when you felt ill?	Stree boo	-	2nd Priority		
	-	20	Physical effort at time of event?	Haavv laa	-	Not a Priority		
	-	21	Recently under stress?	Boo streen	-	2nd Priority		
	-	22	Frequency of alcohol consumption?	Remeen leeff	-	Not a Priority		
Risk factors		23	Do you have high blood pressure?	Stree boo	-	2nd Priority		
	-	24	High cholesterol present?	Haavv laa	-	2nd Priority		
	-	25	Are you a smoker?	Boo streen	-	2nd Priority		

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			PATIENT IS	NORMAL		•
CATEGORY	Question Availability	#	QUESTION	PATIENT REPLY	REPLY CONDITIONAL	PRIORITY
	-	1	How are you feeling?	I feel the right half of my body weak.	-	1st Priority
	After question 1 is asked	2	What happened to you?	Suddenly I couldn't move my right arm.	-	1st Priority
	-	3	Tell us about any health conditions you might have.	Up until now, I never had anything special.	-	2nd Priority
Medical	-	4	Feeling pain?	No, only just a feeling of weakness on half of my body.	-	1st Priority
condition	-	5	Do you have diabetes?	Not that I know of.	-	1st Priority
	-	6	Any recent weight changes?	I think I have kept the same weight.	-	Not a Priority
	-	7	History of severe illness?	Up until now, I never had anything special.	-	2nd Priority
	After question 2 is asked	8	Time since symptom onset?	Three hours ago.	-	1st Priority
	-	9	Do you have any allergies?	No.	-	2nd Priority
	-	10	Taking any medication?	I'm not taking any medication.	-	1st Priority
Medication	-	11	Medication side-effects present?	But I'm not taking any medication.	-	2nd Priority
	-	12	Describe your diet.	I eat about everything. I'm not picky.	-	Not a Priority
	-	13	Last time you ate?	It was lunch.	-	Not a Priority
	-	14	What did you eat last time?	I had some barbecue meat with rice and salad.	-	Not a Priority
Nutrition	-	15	Snacks between meals?	Yes, sometimes I eat between lunch and dinner, when I'm hungry.	-	Not a Priority
	-	16	Do you take dietary supplements?	No, I don't take supplements.	-	Not a Priority
	-	17	Have there been changes in appetite?	I think my appetite has been the same.	-	Not a Priority
	-	18	How much do you walk each day?	I normally don't exercise regularly. I only walk near my house.	-	Not a Priority
Activity	-	19	What were you doing when you felt ill?	I was taking care of my grandchildren at my house.	-	2nd Priority
	-	20	Physical effort at time of event?	Yes, I was playing with my grandchildren.	-	Not a Priority
	-	21	Recently under stress?	No, I'm retired now.	-	2nd Priority
	-	22	Frequency of alcohol consumption?	No, I don't usually drink alcoholic drinks.	-	Not a Priority
Risk factors	-	23	Do you have high blood pressure?	Yes, my doctor told me that I have.	-	2nd Priority
	-	24	High cholesterol present?	Not that I know of.	-	2nd Priority
	-	25	Are you a smoker?	No, I never smoked in my life.	-	2nd Priority

	INITIAL SIMULATION CONDITIONS						
CATEGORY	DESIGNATION	COMMENTS					
	Broca aphasia	Due to Stroke					
Signs & symptoms	Right sided weakness including facial asymmetry	Due to Stroke					
Acute conditions at case	Stroke	-					
start	Increased blood pressure	Due to Stroke					
	Tachycardia	Due to Stroke					
	Tachypnea	Due to Stroke					
	Нурохіа	Due to Stroke					
Parameters at case start:	Blood pressure (mmHg): 215 / 110						
	Heart rate (bpm): 130						
	Respiratory rate (/min): 32						
	O₂ saturation (%): 88						
	Blood glucose (mg/dL): 112	Blood glucose (mmol/L): 6.22					
	Temperature (°C): 36.3	Temperature (°F): 97					
	Hemoglobin (g/dL): 14.9						
	Urinary output (mL/kg/h): 0.61						

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Description of the predefined evolution of the patient's state:

SIMULATION TIME (MIN)		EVENT
0	Initial conditions:	Left ischemic embolic stroke     Increased blood pressure     Tachycardia     Tachypnea     Hypoxia
1		
2		
3		
4		
5		
6		
7	- Left ischemic	c embolic stroke causes Severe Left ischemic embolic stroke
8		
9		
10		
11		
12		
13		
14		
15		
16 17		
17 18		
18		
20		
Note:	If alteplase is a intracranial he	administered with systolic blood pressure ≥ 185 and diastolic blood pressure ≥ 110, the patient suffers a severe morrhage.

## **EXAMINATION PROCEDURES**

Examination procedures relevant for the case with detailed results:

CATEGORY	TEST NAME		F	RESULT DESCRIPTION	
		HEALTH CONDITIONS		TEST	RESULT
			Eye opening		4 - Spontaneous
		ISCHEMIC EMBOLIC LEFT	Verbal response		3 - Words
		STROKE OR NO	Motor response		5 - Localizing
		STROKE	Total result		12 - Moderate impairment of consciousness
		HEALTH CONDITIONS		TEST	RESULT
			Eye opening		3 - To sound
	Glasgow coma scale	SEVERE ISCHEMIC	Verbal response		2 - Sounds
		EMBOLIC LEFT	Motor response		5 - Localizing
		STROKE	Total result		10 - Moderate impairment of consciousness
		AFTER TIMELY ALTEPLASE		TEST	RESULT
			Eye opening		4 - Spontaneous
			Verbal response		4 - Confused
			Motor response		6 - Obey commands
Dhusiaslau			Total result		14 - Mild impairment of consciousness
Physical exam		HEALTH CONDITIONS		TEST	RESULT
			Eye opening		4 - Spontaneous
		AFTER	Verbal response		3 - Words
			Motor response		5 - Localizing

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	ALIEPLASE	Total result	12 - Moderate impairment of consciousness	
	HEALTH CONDITIONS	TEST	RESULT	
		Eye opening	2 - To pressure	
	ALTEPLASE OVERDOSE OR	Verbal response	2 - Sounds	
	HIGH BLOOD	Motor response	5 - Localizing	
	PRESSURE AND ALTEPLASE ADMINISTERED	Total result	9 - Moderate impairment of consciousness	
	Initial	Equal and reactive t	to light	
Pupils (size, equality and reaction to light)	Deterioration to severe intracranial hemorrhage	Mydriatic left pupil and left oculo	l left oculomotor nerve lesion	

## **DIAGNOSTIC STRATEGIES**

Complementary strategies for diagnosis relevant for the case:

CATEGORY	TEST NAME		RESULT DESCRIPTION		PRIORITY	
Imaging	Carotid Doppler Ultrasound					
	Head CT	artery. This in related to ar lesions. The Small hipoden matter bilatera	out it is likely barenchimal mal volume. bcortical white	1st Priority		
	Cerebral angio CT		Occlusion of M2 segment of left MCA		1st Priority	
	Cerebral perfusion CT Mismatch in the area of left parietal temporal lobe Transcranial doppler M1 Left Occlusion					
	Transcranial doppler		M1 Left Occlusion		2nd Priority	
Lab tests	Arterial blood gas	Increas	erations	Not a Priority		
	Biochemistry		No significant alterations		2nd Priority	
	Complete blood count		No significant alterations		2nd Priority	
	Coagulation Tests		No significant alterations		2nd Priority	
Electrophysiology	Electrocardiogram		Sinus rhythm, no morphological changes		2nd Priority	
Decision aids	Stroke Scale (NIHSS)	HEALTH CONDITIONS	TEST	RESULT		
			1.a- Level of Consciousness 0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation;- 3-coma.	0 - Alert, Keenly responsive		
			1.b- LOC- Questions (month and age) 0- Both correct; 1- one correct; 2- none correct.	2 - None correct		
			1.c- LOC - Verbal Commands (open/close eyes, grip/release non-paretic hand) 0-both tasks correctly; 1- one task correctly; 2- none task correctly.	0 - Both tasks correctly		
			2- Best gaze (Only horizontal eye movements, voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation.	0 - Normal		
			<ul> <li>3- Visual fields (stimuli or threats in each eye's 4 quadrants)</li> <li>0- No visual loss; 1- partial hemianopia; 2- complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness).</li> </ul>	0 - No visual loss		
			<ol> <li>4- Facial palsy</li> <li>0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side partial paralysis;</li> <li>2- Left side partial paralysis; 3- Right side complete paralysis; 3- Left side complete paralysis.</li> </ol>	2 - Right side partial paralysis		
			5.a- Motor Right Arm (10" sitting at 90°, supine at 45°) 0- No drift; 1- drift, drifts does not hit bed; 2- Some effort against gravity; drifts down to bed; 3- No effort against gravity, limb falls; 4- No movement; UN - amputation or join fusion.	3 - No effort against gravity, limb falls		
		ISCHEMIC EMBOLIC LEFT STROKE OR NO STROKE	5.b- Motor Left Arm (10" sitting at 90°, supine at 45°)	0 - No drift		

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2 - Some effort against gravity:

Drifts down to bed

0 - No drift

2 - Severe to total sensory

2 - Severe

aphasia

0 - No abnormality

stroke

13 - Moderate

RESULT

1 - Not Alert;

but arousable

2 - None correct

2- None task correctly

2 - Forced

2 - Complete

2 - Right side partial paralysis

movement

0 - No drift

movement

0 - No drift

2 - Severe to total sensory

2 - Severe

aphasia

loss

4 - No

hemianopia

deviation

by minor stimulation

loss

6.a- Motor Right Leg (5" lying at 30°) 6.b- Motor Left Leg (5" lying at 30°) 7- Limb ataxia (finger-nose-finger; heel-shin) 0 - Absent in Ore limb 2 - Present in two limb 2 - Present in two limbs; UN- amputation or join fusion. 8- Sensory (sensation to pinprick when tested or withdrawal from noxious stimulus) 0- Normal; 1- mild to moderate sensory loss; 2-Severe to total sensory loss). 9- Best Language (name items, describe a picture, read sentences) 0- No aphasia; 1- mild to moderate aphasia; 2severe aphasia; 3- mute, global aphasia. 10- Dysarthria (clarity of articulation of speech when reading or repeating words) 0- Normal; 1- mild to moderate dysarthria; 2-severe 0 - Normal dysarthria; mute/anarthric UN-intubated or other physical barrier. 11-Extinction and inattention (simultaneous bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality. Total HEALTH TEST CONDITIONS 1.a- Level of Consciousness 0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation;- 3-coma. 1.b- LOC- Questions (month and age) 0- Both correct; 1- one correct; 2- none correct. 1.c- LOC - Verbal Commands (open/close eyes, grip/release non-paretic hand) 0-both tasks correctly; 1- one task correctly; 2none task correctly. 2- Best gaze (Only horizontal eye movements, voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- No visual loss: 1- partial hemianopia : 2complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness). 4- Facial palsy 0- Normal: 1- Right side minor paralysis: 1- Left side minor paralysis; 2- Right side partial paralysis; 2- Left side partial paralysis; 3- Right side complete paralysis; 3- Left side complete paralysis. 5.a- Motor Right Arm (10" sitting at 90°, supine at 45°) 0- No drift: 1- drift drifts does not hit bed: 2- Some 4 - No effort against gravity; drifts down to bed; 3- No effort against gravity, limb falls; 4- No movement; UN - amputation or join fusion. SEVERE ISCHEMIC 5.b- Motor Left Arm (10" sitting at 90°, supine at EMBOLIC LEFT 45°) STROKE 6.a- Motor Right Leg (5" lying at 30°) 6.b- Motor Left Leg (5" lying at 30°) 7- Limb ataxia (finger-nose-finger; heel-shin) 0- Absent; 1- Present in one limb; 2- Present in two limbs; UN- amputation or join fusion. 8- Sensory (sensation to pinprick when tested or withdrawal from noxious stimulus) 0- Normal; 1- mild to moderate sensory loss; 2-Severe to total sensory loss). 9- Best Language (name items, describe a picture, read sentences) 0- No aphasia: 1- mild to moderate aphasia: 2severe aphasia; 3- mute, global aphasia.

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25 - Severe stroke RESULT

0 - Alert, Keenly

1 - One correct

0 - Both tasks

0 - No visual

1 - Right side minor paralysis

2 - Some effort

against gravity; Drifts down to bed

0 - No drift 2 - Some effort against gravity; Drifts down to

8 - Moderate stroke RESULT

0 - Alert, Keenly

0 - Both correct

**1st Priority** 

moderate sensory loss

dysarthria; Mute/anarthric

AFTER THEY       1-Decardon and indention (simulanous)       0-No diministry interfaces in the dimension of additional indention (simulanous)       0-No         Image: Im			
ATEST THESE         Deline and multiple and participants         0No           Total         25-Secret extinction for meril-indentificant         25-Secret extinction for meril-indentificant           TEST         RESUIT           TEST         RESUIT           TEST         RESUIT           Test registrance         0Acet, feering registration of meril-indentificant         0Acet, feering registration of meril-indentificant           TEST         TEST         RESUIT           TEST         TEST		when reading or repeating words) 0- Normal; 1- mild to moderate dysarthria; 2-severe dysarthria; mute/anarthric UN-intubated or other	
HEALTH CONDITIONS         TEST         RESULT           AFER TIMELY CONDITIONS         TEST         APER Lendy regonsite: 1-hot Alet but requires reported and strong simulation - 3-cons. A program reported throng - 3-concerd deviation 3-cons and - 3-conserds - 3-conserds - 3-conserds - 3-conserds - 3-conserds - 3-conserds - 3-conserds - 3-conserd - 3-conserds - 3-conserds - 3-conserds - 3-conserds - 3-conserds - 3-conserds - 3-conserd - 3-conserds - 3-conserds - 3-conserd - 3-conserds - 3-conserds - 3-conserds - 3-conserds - 3-conserds - 3-conserds - 3-con		bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or	
AFTER TIMELY     1-1 - Level of Considurances     0-Net is the importance in the impo		Total	
AFTER TIMELY		TEST	RESULT
Constants		0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation;- 3-coma.	0 - Alert, Kee responsive
2. Best gaze (On) horizontal eye movements, 0. Normal 1 partial gaze palxy, 2. forced deviation.         0 Normal - Normal 1. - Low Visual fields (ptimuli or threats in each eye's 4 quadrants)         0 Normal - No Visual fields (ptimuli or threats in each eye's 4 quadrants)         0 No visual - No Visual fields (ptimuli or threats in each eye's 4 quadrants)         0 No visual - No Visual fields (ptimuli or threats in each eye's 4 quadrants)         0 No visual - No Visual fields (ptimuli or threats in each eye's 4 quadrants)         0 No visual - No Visual fields (ptimuli or threats in each eye's 4 quadrants)         0 No visual - No Visual - Acids patibule - Acids patibule - Acids patibule - Acids patibule - No drift, 1. drift, drifts does not hit bed; 2 Some eff - against gravity, drifts down to to norement, effort against gravity, drifts down to to - No drift - ALTEPLASE         0 No drift - No drift - Acider 1 Christing at 90°, supine at - Acider 2 Some eff - a- Motor Right Leg (5° lying at 30°)         0 No drift - Some effort - Sensory (sensation to piprits when leaded or whordwale from noois finulus)         0 No drift - No drift - No aphasig, 1 mild to noderate aphasig, 2. - Servere to total sensory loss.         1 Mild to more aphasig, 2. - Normal - No aphasig, 1 mild to noderate aphasig, 2. - Servere to total sensory loss.         0 No mail No aphasig, 1 mild to noderate aphasig, 2. - Normal - No aphasig, 1 mild to noderate aphasig, 2. - Rest Language (name terms, descripte aphasig, 2. - Rest Language (name terms, descripte aphasig, 2. - No aphasig, 1.		0- Both correct; 1- one correct; 2- none correct. 1.c- LOC - Verbal Commands (open/close eyes, grip/release non-paretic hand) 0-both tasks correctly; 1- one task correctly; 2-	1 - One corre 0 - Both task correctly
AFTER TIMELY     ALTER LATT     CONSTRUCT SINUAD     ALTER LATT     CONSTRUCT SINUAD     ALTER LATT     CONSTRUCT SINUAD     ALTER LATT     CONSTRUCT     Test     Test     Test     Test     Construct Sinuad     ALTER LATT     CONSTRUCT     Later Constructions (montand age)     O     - No result     ALTER LATT     CONSTRUCT     Later Constructions (montand age)     O     - No result     ALTER LATT     CONSTRUCT     CONSTRUCT     ALTER     CONSTRUCT     CON		2- Best gaze (Only horizontal eye movements, voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced	0 - Normal
O-Normai; 1- Right side more paralysis; 2-Left side paritip paralysis; 2-Left side paritip paralysis; 3-Right side complete paralysis; 3-Ent side paritip paralysis; 3-Ent side paralysis; 3-Ent side paritip paralysis; 3-Ent side paralysis; 3-Ent s		quadrants) 0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia	0 - No visual loss
45°       0-No drift, 1-drift, drifts down to bed; 3-No effort against gravity, limb falls, 4-No movement, UN - amputation or join fusion.       2- Some eff         AFTER TIMELY       5b- Motor Left Am (10° sitting at 90°, supine at 45°)       0- No drift         ALTEPLASE       5b- Motor Left Am (10° sitting at 90°, supine at 45°)       0- No drift         ALTEPLASE       5b- Motor Left Am (10° sitting at 30°)       0- No drift         6.b- Motor Left Leg (5° lying at 30°)       0- No drift       0- No drift         7- Limb ataxia (finger-nose-finger, heel-shin) 0- Absent; 1- Present in two 0- Normal; 1- mild to moderate sensory loss; 2- Server to total sensory loss; 2- Server a phasia; 1- mild to moderate sensory loss; 2- Server a phasia; 1- mild to moderate sensory loss; 2- Server a phasia; 1- mild to moderate aphasia; 2- server aphasia; 1- mild to moder		0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side partial paralysis; 2- Left side partial paralysis; 3- Right side complete	1 - Right side minor paraly
ALTEPLASE 45°) the control of the co		<ul> <li>45°)</li> <li>0- No drift; 1- drift, drifts does not hit bed; 2- Some effort against gravity; drifts down to bed; 3- No effort against gravity, limb falls; 4- No movement;</li> </ul>	2 - Some eff against grav Drifts down t bed
Heal TH       Construction and instantion or extinction to more than one modality. 2- Proceeding stimulation or extinction to more than one modality. 2- Proceeding stimulation or extinction to more than one modality. 2- Proceeding stimulation or extinction to more than one modality. 2- Proceeding stimulation or extinction to more than one modality. 2- Proceeding stimulation or extinction to more than one modality.       2- Some efficiency of the stimulation of the stimulation or extinction to prior fusion.         Image: Stimulation of the stimulation of the stimulation of the stimulation or prior fusion.       0- No adhesia is a stimulation or prior fusion.       0- Absent in moderate sensory loss; 2- Present in two in moderate sensory loss; 2- Present on the steed or withdrawal from noxicus stimulus)       0- Normal; 1- mild to moderate sensory loss; 2- Present on the steed or withdrawal from noxicus stimulus; 3- mild to moderate aphasia; 2- sensory constructions; 3- mild to moderate aphasia; 2- sensory loss; 2- Servere to that sensory loss; 2- Servere to the steed or when reading or repeating words)       1- Mild to moderate aphasia; 2- sensory loss; 2- Servere to the steed or when reading or repeating words)       1- Mild to moderate aphasia; 2- sensory loss; 2- Servere to the steed or when reading or repeating words)       1- Nild to moderate aphasia; 2- sensory loss; 2- Servere aphasia; 3- multe, alphasia aphasia; 3- multe, alphasia aphasia; 3- multe, alphasia, 2- sensory applied aphases, 2- sensory applied aphases, 2- sensory applied aphases, 2- sensory applied aphases, 2- senses, 2- Not Alert, betr			0 - No drift
* Limb ataxia (finger-nose-finger; heel-shin)       0 - Absent         0. Absent; 1. Present in one limb; 2. Present in two       0 - Absent         1. Mild to       8. Sensory (sensation to piprick when tested or withdrawal from noxious stimulus)       1 - Mild to         0. Norma; 1. mild to moderate sensory loss; 2.       - Severe to total sensory loss; 0.       1 - Mild to         0. Norma; 1. mild to moderate sensory loss; 2.       - No aphasia; 1 - mild to moderate sensory loss; 2.       1 - Mild to         0. Norma; 1. mild to moderate sensory loss; 2.       - No aphasia; 1 - mild to moderate sensory loss; 2.       1 - Mild to         0. Norma; 1. mild to moderate sensory loss; 2.       - No aphasia; 1 - mild to moderate aphasia; 2.       - moderate aphasia; 3 - mute, global aphasia         1.0. Dysarthria (clarity of articulation of speech when reading or repeating words)       0 - Normal       1 - Mild to moderate dysarthria; 2-severe dysarthria; 1 - mild to moderate dysarthria; 2-severe dysarthria; 1 - mild to moderate dysarthria; 2-severe dysarthria; mute/anarthric UN-intubated or other physical barrier.       0 - Normal         11-Extinction and inattention (simultaneous bilateral visual and tactile stimuli; anosagnosia)       0 - No abnormality; 2- Profound hemi-inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality; 2- Profound hemi-inattention or extinction to more than one modality; 2- Profound hemi-inattention or extinction to more than one modality; 2- Profound hemi-inattention or extinction to more than one modality; 2- Not Alert, but arousable by minor stimula			2 - Some eff against grav Drifts down t bed
O-Absent; 1-Present in one Imb; 2- Present in two       0 - Absent limbs; UN- amputation or join fusion.       0 - Absent limbs; UN- amputation or join fusion.       0 - Absent limbs; UN- amputation or join fusion.       1 - Mild to moderate sensory loss; 2- Severe to total sensory loss; 2-Severe to total sensory loss).       1 - Mild to moderate aphasia; 2-severe aphasia; 1 - mild to moderate aphasia; 2-severe dysarthria; mute/anarthric UN-intubated or other physical barrier.       0 - Normal         10 - Dysarthria (clarity of articulation of speech when reading or repeating words)       0 - Normal         0 - Normality: 1-Visual, tactile, auditory, spatial or personal inattention or extinction to or extinction o			0 - No drift
B-Sensory (sensation to pinprick when tested or withdrawal from noxious stimulus)       1 - Mild to moderate sensory loss; 2-Severe to total sensory loss; 2-Severe to total sensory loss; 1 - Mild to moderate sensory loss; 2-Severe to total sensory loss; 1 - Mild to moderate aphasia; 2-severe aphasia; 1 - mild to moderate aphasia; 2-severe aphasia; 3 - mute, global aphasia       1 - Mild to moderate sensory loss; 2-Severe to total sensory loss; 2-Severe to total sensory loss; 1 - Mild to moderate aphasia; 2-severe aphasia; 3 - mute, global aphasia       1 - Mild to moderate aphasia; 2-severe aphasia; 3 - mute, global aphasia       1 - Mild to moderate aphasia; 2-severe dysarthria; mute/anarthric UN-intubated or other physical barrier.       1 - Mild to moderate aphasia; 2-severe dysarthria; mute/anarthric UN-intubated or other physical barrier.       0 - Normal         1 - Extinction and inattention (simultaneous bilaterati visual and tactifie stimuli; anosagnosia)       0 - No abnormality: 1-Visual, tactile, auditory, another medility; 2-Profound hemi-inattention or extinction to one extinction to more than one modality.       0 - No         Total       8 - Moderate stroke       8 - Moderate stroke       0 - Alert, Keenly responsive; 1-Not Alert; but arous able by minor stimulation; 3-coma.       0 - Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 3-coma.       0 - Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 3-coma.       0 - Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 3-coma.       0 - Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 3-coma.       0 - Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 3-coma.       0 - Alert, Keenly responsiv		0- Absent; 1- Present in one limb; 2- Present in two	0 - Absent
Image: sector constraints       1 Mild to moderate aphasia; 2 severe aphasia; 3 mule, global aphasia.       1 Mild to moderate aphasia; 2 severe aphasia; 3 mule, global aphasia.       1 Mild to moderate aphasia; 3 mule, global aphasia.         10- Dysarthria (clarity of articulation of speech when reading or repeating words)       0 Normal; 1 mild to moderate dysarthria; 2-severe dysarthria; 1 mule/anarthric UN-intubated or other physical barrier.       0 Normal         11-Extinction and inattention (simultaneous bilateral visual and tactile stimuli; anosagnosia)       0 No         No babnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2 Profound hemi-inattention or extinction to one modality; 2 Profound hemi-inattention or extinction to one modality.       0 No         Total       8 Moderate stroke       8 Moderate stroke         HEALTH cONDITIONS       1a-Level of Consciousness       0 Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation; 2- Not Alert, responsive       0 Alert, Keenporsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, responsive         1b-LOC- Questions (month and age)       0 Both construction or stimulation; 3- Not Alert, responsive       0 Both construction or stimulation; 3- Not Alert, responsive		withdrawal from noxious stimulus) 0- Normal; 1- mild to moderate sensory loss; 2-	
HEALTH CONDITIONS       1 Exert of Consciousness 0 - Normal       0 - Normal         HEALTH CONDITIONS       TEST       RESUL1         1.a - Level of Consciousness 0 - Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 3-coma.       0 - Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 3-coma.         1.b - LOC- Questions (month and age)       0 - Alert, comparison       0 - Alert, comparison		read sentences) 0- No aphasia; 1- mild to moderate aphasia; 2-	moderate
HEALTH CONDITIONS       Test       8 - Moderate stroke         1.a - Level of Consciousness 0 - Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2 - Not Alert, but arousable by minor stimulation; 3 - coma.       0 - No         1.b - LOC- Questions (month and age)       0 - No       - No		when reading or repeating words) 0- Normal; 1- mild to moderate dysarthria; 2-severe dysarthria; mute/anarthric UN-intubated or other	0 - Normal
HEALTH CONDITIONS     TEST     RESULT       1.a-Level of Consciousness 0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, but requires repeated and strong stimulation; 3-coma.     0 - Alert, Ke       1.b-LOC- Questions (month and age)     0 - Both com		bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual; tactile; auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or	abnormality
CONDITIONS     IEST     RESULT       1.a- Level of Consciousness     0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, responsive requires repeated and strong stimulation; 3-coma.     0 - Alert, Keenly responsive       1.b- LOC- Questions (month and age)     0 - Both components     0 - Both components		Total	8 - Moderate stroke
0 - Alert, Keenly responsive; 1-Not Alert; but 0 - Alert, Ke arousable by minor stimulation; 2- Not Alert, responsive requires repeated and strong stimulation; 3-coma. 1.b- LOC- Questions (month and age) 0 - Both com		TEST	RESULT
		0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation;- 3-coma.	0 - Alert, Kee responsive
	l		0 - Both corr

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Case 32 Irene Cornell

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		<ol> <li>1.c- LOC - Verbal Com grip/release non-paretic 0-both tasks correctly; none task correctly;</li> <li>2- Best gaze (Only hori voluntary or reflexive)</li> <li>0- Normal; 1- partial ga deviation.</li> <li>3- Visual fields (stimuli quadrants)</li> <li>0- No visual loss; 1- pai complete hemianopia; 3 (blind/cortical blindness;</li> <li>4- Facial palsy</li> <li>0- Normal; 1- Right side side minor paralysis; 2- 2- Left side partial para paralysis; 3- Left side c</li> <li>5- Motor Right Arm (1</li> </ol>
		45°) 0- No drift; 1- drift, drifts effort against gravity; du effort against gravity, lir UN - amputation or join
	AFTER TIMELY THROMBECTO MY	5.b- Motor Left Arm (10 45°)
	WT	6.a- Motor Right Leg (5 6.b- Motor Left Leg (5" 7- Limb ataxia (finger-n 0- Absent; 1- Present ir limbs; UN- amputation 8- Sensory (sensation t withdrawal from noxiou 0- Normal; 1- mild to m
		Severe to total sensory 9- Best Language (nam read sentences) 0- No aphasia; 1- mild t severe aphasia; 3- mut
		10- Dysarthria (clarity c when reading or repeat 0- Normal; 1- mild to m dysarthria; mute/anarth physical barrier.
		11-Extinction and inatte bilateral visual and tact 0- No abnormality; 1-Vi spatial or personal inatt modality; 2- Profound h extinction to more than Total
	HEALTH CONDITIONS	·······································
		<ol> <li>1.a- Level of Conscious</li> <li>0- Alert, Keenly respon arousable by minor stim requires repeated and stimular 1.b- LOC- Questions (n</li> <li>0- Both correct; 1- one</li> <li>1.c- LOC - Verbal Com grip/release non-paretitie</li> <li>0-both tasks correctly;</li> <li>2- Best gaze (Only hori voluntary or reflexive)</li> <li>0- Normal; 1- partial ga deviation.</li> <li>3- Visual fields (stimuli</li> </ol>
		quadrants) 0- No visual loss; 1- pa complete hemianopia; 3: (blind/cortical blindness 4- Facial palsy 0- Normal; 1- Right side side minor paralysis; 2- 2- Left side partial para paralysis; 3- Left side c 5.a- Motor Right Arm (1 45°) 0- No drift; 1- drift, drifts effort against gravity; di effort against gravity; lin UN - amputation or join

1.c- LOC - Verbal Commands (open/close eyes, grip/release non-paretic hand) 0-both tasks correctly; 1- one task correctly; 2- none task correctly.	0 - Both tasks correctly
2- Best gaze (Only horizontal eye movements, voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation.	0 - Normal
<ul> <li>3- Visual fields (stimuli or threats in each eye's 4 quadrants)</li> <li>0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness).</li> </ul>	0 - No visual loss
4- Facial palsy 0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side partial paralysis; 2- Left side partial paralysis; 3- Right side complete paralysis; 3- Left side complete paralysis.	1 - Right side minor paralysis
<ul> <li>5.a- Motor Right Arm (10" sitting at 90°, supine at 45°)</li> <li>0- No drift; 1- drift, drifts does not hit bed; 2- Some effort against gravity; drifts down to bed; 3- No effort against gravity, limb falls; 4- No movement; UN - amputation or join fusion.</li> </ul>	1 - Drift, drifts does not hit bed
5.b- Motor Left Arm (10'' sitting at 90°, supine at $45^{\circ}$ )	0 - No drift
6.a- Motor Right Leg (5" lying at 30°)	0 - No drift
6.b- Motor Left Leg (5" lying at 30°)	0 - No drift
<ul> <li>7- Limb ataxia (finger-nose-finger; heel-shin)</li> <li>0- Absent; 1- Present in one limb; 2- Present in two limbs; UN- amputation or join fusion.</li> </ul>	0 - Absent
<ul> <li>8- Sensory (sensation to pinprick when tested or withdrawal from noxious stimulus)</li> <li>0- Normal; 1- mild to moderate sensory loss; 2- Severe to total sensory loss).</li> </ul>	1 - Mild to moderate sensory loss
<ul> <li>9- Best Language (name items, describe a picture, read sentences)</li> <li>0- No aphasia; 1- mild to moderate aphasia; 2-severe aphasia; 3- mute, global aphasia.</li> </ul>	0 - No aphasia
<ol> <li>Dysarthria (clarity of articulation of speech when reading or repeating words)</li> <li>Normal; 1- mild to moderate dysarthria; 2-severe dysarthria; mute/anarthric UN-intubated or other physical barrier.</li> </ol>	0- Normal
11-Extinction and inattention (simultaneous bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality.	0 - No abnormality
bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one	
bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality.	abnormality
bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality. <b>Total</b>	abnormality 3 - Minor stroke
bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality. <b>Total</b> <b>TEST</b> 1.a- Level of Consciousness 0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation; 3-coma. 1.b- LOC- Questions (month and age)	abnormality 3 - Minor stroke RESULT 1 - Not Alert; but arousable by minor
bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality. <b>Total</b> <b>TEST</b> 1.a- Level of Consciousness 0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation;- 3-coma.	abnormality 3 - Minor stroke <b>RESULT</b> 1 - Not Alert; but arousable by minor stimulation
bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal instantention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality. <b>Total</b> <b>1.a</b> - Level of Consciousness 0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation; - 3-coma. 1.b- LOC- Questions (month and age) 0- Both correct; 1- one correct; 2- none correct. 1.c- LOC - Verbal Commands (open/close eyes, grip/release non-paretic hand) 0-both tasks correctly; 1- one task correctly; 2-	abnormality 3 - Minor stroke <b>RESULT</b> 1 - Not Alert; but arousable by minor stimulation 2 - None correct 2 - None task
bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality. <b>Total</b> <b>TEST</b> 1.a- Level of Consciousness 0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation; -3-coma. 1.b- LOC- Questions (month and age) 0- Both correct; 1- one correct; 2- none correct. 1.c- LOC - Verbal Commands (open/close eyes, grip/release non-paretic hand) 0-both tasks correctly. 2- Best gaze (Only horizontal eye movements, voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness).	abnormality 3 - Minor stroke <b>RESULT</b> 1 - Not Alert; but arousable by minor stimulation 2 - None correct 2 - None task correctly 2 - Forced
bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality. <b>Total</b> <b>TEST</b> 1.a- Level of Consciousness 0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation; 3-coma. 1.b- LOC- Questions (month and age) 0- Both correct; 1- one correct; 2- none correct. 1.c- LOC - Vethal Commands (open/close eyes, grip/release non-paretic hand) 0-both tasks correctly; 1- one task correctly; 2- none task correctly. 2- Best gaze (Only horizontal eye movements, voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- Normal; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia (bilnd/cortical bilndness). 4- Facial palsy 0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side complete paralysis; 3- Left side complete paralysis.	abnormality 3 - Minor stroke <b>RESULT</b> 1 - Not Alert; but arousable by minor 2 - None correct 2 - None task correctly 2 - Forced deviation 2 - Complete hemianopia 2 - Right side partial paralysis
bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality. <b>Total</b> <b>TEST</b> 1.a- Level of Consciousness 0- Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation; -3-coma. 1.b- LOC- Questions (month and age) 0- Both correct; 1- one correct. 1.c- LOC - Verbal Commands (open/close eyes, grip/release non-paretic hand) 0-both tasks correctly. 2- Best gaze (Only horizontal eye movements, voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side partial paralysis; 2- Left side partial paralysis; 3- Right side complete	abnormality 3 - Minor stroke <b>RESULT</b> 1 - Not Alert; but arousable by minor 2 - None correct 2 - None task correctly 2 - Forced deviation 2 - Complete hemianopia 2 - Right side partial paralysis

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AFTER		
UNTIMELY ALTEPLASE	5.b- Motor Left Arm (10" sitting at 90°, supine at 45°)	0 - No drift
	6.a- Motor Right Leg (5" lying at 30°)	2 - Some effort against gravity; Drifts down to bed
	6.b- Motor Left Leg (5" lying at 30°)	0 - No drift
	<ul> <li>7- Limb ataxia (finger-nose-finger; heel-shin)</li> <li>0- Absent; 1- Present in one limb; 2- Present in two limbs; UN- amputation or join fusion.</li> </ul>	0 - Absent
	8- Sensory (sensation to pinprick when tested or withdrawal from noxious stimulus) 0- Normal; 1- mild to moderate sensory loss; 2- Severe to total sensory loss).	2 - Severe to total sensory loss
	<ul> <li>9- Best Language (name items, describe a picture, read sentences)</li> <li>0- No aphasia; 1- mild to moderate aphasia; 2-severe aphasia; 3- mute, global aphasia.</li> </ul>	2 - Severe aphasia
	<ol> <li>Dysarthria (clarity of articulation of speech when reading or repeating words)</li> <li>Normal; 1- mild to moderate dysarthria; 2-severe dysarthria; mute/anarthric UN-intubated or other physical barrier.</li> </ol>	0 - Normal
	11-Extinction and inattention (simultaneous bilateral visual and tactile stimuli; anosagnosia) 0- No abnormality; 1-Visual, tactile, auditory, spatial or personal inattention or extinction to one modality; 2- Profound hemi-inattention or extinction to more than one modality.	0 - No abnormality
	Total	20 - Moderate to severe stroke
HEALTH CONDITIONS	TEST	RESULT
	<ol> <li>Level of Consciousness</li> <li>Alert, Keenly responsive; 1-Not Alert; but arousable by minor stimulation; 2- Not Alert, requires repeated and strong stimulation;- 3-coma.</li> </ol>	2 - Not Alert, requires repeated and strong stimulation
	<ul><li>1.b- LOC- Questions (month and age)</li><li>0- Both correct; 1- one correct; 2- none correct.</li></ul>	2 - None correct
	1.c-LOC - Verbal Commands (open/close eyes, grip/release non-paretic hand) 0-both tasks correctly; 1- one task correctly; 2- none task correctly.	2- None task correctly
	2- Best gaze (Only horizontal eye movements, voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation.	2 - Forced deviation
	voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness).	
	voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia	deviation 2 - Complete hemianopia 3 - Right side complete
ALTEPLASE OVERDOSE OR	voluntary or réflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness). 4- Facial palsy 0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side partial paralysis; 2- Left side partial paralysis; 3- Right side complete	deviation 2 - Complete hemianopia 3 - Right side complete
	voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness). 4- Facial palsy 0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side partial paralysis; 2- Left side partial paralysis; 3- Right side complete paralysis; 3- Left side complete paralysis. 5.a- Motor Right Arm (10" sitting at 90°, supine at 45°) 0- No drift; 1- drift, drifts does not hit bed; 2- Some effort against gravity, limb falls; 4- No movement;	deviation 2 - Complete hemianopia 3 - Right side complete paralysis 4 - No movement 0 - No drift
OVERDOSE OR HIGH BLOOD PRESSURE AND ALTEPLASE	voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness). 4- Facial palsy 0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side partial paralysis; 2- Left side partial paralysis; 3- Right side complete paralysis; 3- Left side complete paralysis. 5.a- Motor Right Arm (10" sitting at 90°, supine at 45°) 0- No drift; 1- drift, drifts does not hit bed; 2- Some effort against gravity; drifts down to bed; 3- No effort against gravity, limb falls; 4- No movement; UN - amputation or join fusion. 5.b- Motor Left Arm (10" sitting at 90°, supine at	deviation 2 - Complete hemianopia 3 - Right side complete paralysis 4 - No movement
OVERDOSE OR HIGH BLOOD PRESSURE AND	voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness). 4- Facial palsy 0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side partial paralysis; 2- Left side partial paralysis; 3- Right side complete paralysis; 3- Left side complete paralysis. 5.a- Motor Right Arm (10" sitting at 90°, supine at 45°) 0- No drift; 1- drift, drifts does not hit bed; 2- Some effort against gravity; Imib falls; 4- No movement; UN - amputation or join fusion. 5.b- Motor Left Arm (10" sitting at 90°, supine at 45°)	deviation 2 - Complete hemianopia 3 - Right side complete paralysis 4 - No movement 0 - No drift 4 - No
OVERDOSE OR HIGH BLOOD PRESSURE AND ALTEPLASE	voluntary or reflexive) 0-Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness). 4- Facial palsy 0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side partial paralysis; 2- Left side partial paralysis; 3- Right side complete paralysis; 3- Left side complete paralysis. 5.a- Motor Right Arm (10" sitting at 90°, supine at 45°) 0- No drift; 1- drift, drifts does not hit bed; 2- Some effort against gravity; drifts down to bed; 3- No effort against gravity; drifts down to bed; 3- No effort against gravity, limb falls; 4- No movement; UN - amputation or join fusion. 5.b- Motor Left Arm (10" sitting at 90°, supine at 45°) 6.a- Motor Right Leg (5" lying at 30°) 6.b- Motor Left Leg (5" lying at 30°) 7- Limb ataxia (finger-nose-finger; heel-shin) 0- Absent; 1- Present in one limb; 2- Present in two limbs; UN- amputation or join fusion.	deviation 2 - Complete hemianopia 3 - Right side complete paralysis 4 - No movement 0 - No drift 4 - No movement 0 - No drift
OVERDOSE OR HIGH BLOOD PRESSURE AND ALTEPLASE	voluntary or reflexive) 0- Normal; 1- partial gaze palsy; 2- forced deviation. 3- Visual fields (stimuli or threats in each eye's 4 quadrants) 0- No visual loss; 1- partial hemianopia ; 2- complete hemianopia; 3- bilateral hemianopia (blind/cortical blindness). 4- Facial palsy 0- Normal; 1- Right side minor paralysis; 1- Left side minor paralysis; 2- Right side partial paralysis; 2- Left side partial paralysis; 3- Right side complete paralysis; 3- Left side complete paralysis. 5.a- Motor Right Arm (10" sitting at 90°, supine at 45°) 0- No drift; 1- drift, drifts does not hit bed; 2- Some effort against gravity; drifts down to bed; 3- No effort against gravity; limb falls; 4- No movement; UN - amputation or join fusion. 5.b- Motor Left Arm (10" sitting at 90°, supine at 45°) 6.a- Motor Right Leg (5" lying at 30°) 7- Limb ataxia (finger-nose-finger; heel-shin) 0- Absent; 1- Present in one limb; 2- Present in two	deviation 2 - Complete hemianopia 3 - Right side complete paralysis 4 - No movement 0 - No drift 4 - No movement 0 - No drift

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			10- Dysarthria (cl when reading or r 0- Normal; 1- mild dysarthria; mute/a physical barrier.	repeating words) d to moderate dy	sarthria; 2-severe	2 - Severe dysarthria; Mute/anarthric	
		bilat 0- N spat mod	11-Extinction and bilateral visual an 0- No abnormality spatial or persona modality; 2- Profe extinction to more	nd tactile stimuli; y; 1-Visual, tactile al inattention or e ound hemi-inatter	anosagnosia) e, auditory, extinction to one ntion or	0 - No abnormality	
			Total			28 - Severe stroke	
Notes:	CT = computed tomography; NIHSS = Nationa	al Institutes of	Health Stroke	Scale			

## **TREATMENT / INTERVENTION OPTIONS**

Medication / intervention options to treat all patient's conditions.

This table contains treatments required to treat all relevant acute health conditions present in this case.

Each cell in the first column designates a condition and the cells to the right describe its treatment options.

The "type" and "category" columns refer to the location of the treatment item in Body Interact user interface (to be filled in only by the Body Interact team).

To treat:	TYPE	CATEGORY	DESIGNATION	DOSE	UNIT	ROUTE OF ADMINISTR ATION	PRIORITY
INCREASED BLOOD PRESSURE	MEDICATION	ANTIHYPERTE NSIVE	Labetalol	20	mg	IV bolus	1st Priority
Note: Plead pressure lowering should preferably be with new vegedilater mediaction (note: With a high initial PD the pure pretable dates that she							

Note: Blood pressure lowering should preferably be with non-vasodilator medication (note: With a high initial BP the nurse protocol states that she should notify the doctor. The doctor would have to follow the BP protocol and give IV Labetalol 10-20 mg over 1-2 minutes).

To treat:	ТҮРЕ	CATEGORY	DESIGNATION	DOSE	UNIT	ROUTE OF ADMINISTR ATION	PRIORITY
ISCHEMIC EMBOLIC LEFT STROKE / SEVERE ISCHEMIC EMBOLIC LEFT	MEDICATION FIE	FIBRINOLYTIC	Alteplase	0.9 mg/kg=72 mg	-	-	1st Priority
				10% of dose=7. 2 mg	mg	IV bolus	
				90% of dose=64.8 mg	mg	IV over 1 hour	
STROKE	ТҮРЕ		DESCRIPTION				PRIORITY
	CALL		Stroke Unit *	The stroke unit is notified.			1st Priority
	CALL		Interventional Neuroradiologist	Thrombectomy - left MCA occlusion		1st Priority	
Note: Firstly, verify if there are contraindications for alteplase treatment (there are no contraindications).							

Firstly, verify if there are contraindications for alteplase treatment (there are no contraindications).
 \*For Ischemic embolic stroke treatment, Call Stroke unit intervention, is an optional intervention.

To treat:	TYPE	CATEGORY	DESIGNATION	DOSE		ROUTE OF ADMINISTR ATION	PRIORITY
ΗΥΡΟΧΙΑ			Nasal cannula	-	-	-	1st Priority
	N	OATGEN	High flow mask	40	%	-	1st Priority

## ENDING MESSAGES

Each ending message text is required to have no more than 200 characters (including spaces).

ТҮРЕ	CONDITIONAL	MESSAGE
Success	Successfully treated ischemic stroke without causing hemorrhagic transformation and normalized oxygen saturation and blood pressure	Congratulations, your practice meets the guidelines' requirements.

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 Failure
 Alteplase overdose or high blood pressure and alteplase administered
 The patient suffered a severe intracranial hemorrhage, and underwent emergency neurosurgery. Recovered with severe permanent disability.

## **DIFFERENTIAL DIAGNOSIS**

Indication of the options of diagnostic answers that the user will be presented at the end of the simulation (multiple choice question):

	DIFFERENTIAL DIAGNOSIS MULTIPLE CHOICE QUESTION	Correct answer	Ischemic stroke
		3 incorrect answers	Migraine headache
			Hemorrhagic stroke
			Meningitis

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