

CODE STROKE

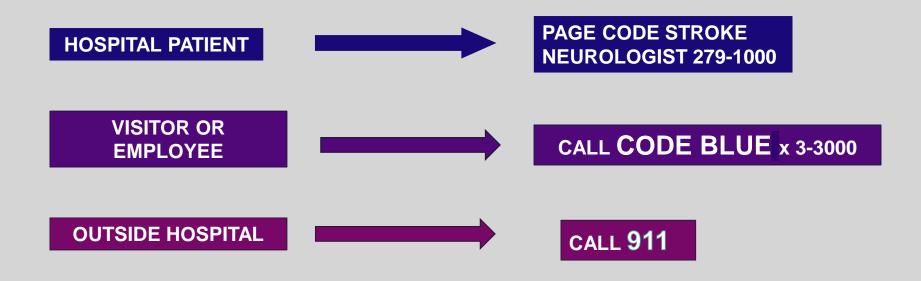


TIME IS BRAIN

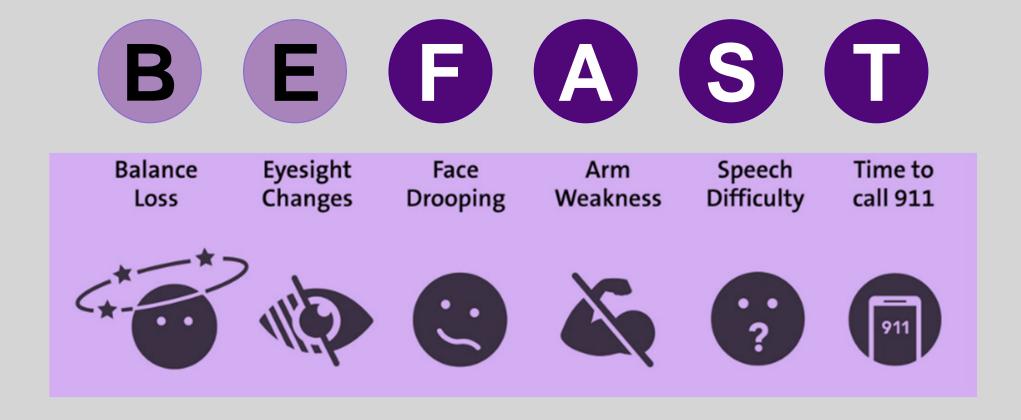


4867 Sunset Boulevard
Pathology, Blood Bank, Flow Cytometry,
Laboratory Departments
2023 Education

CODE STROKE is an EMERGENCY



2023 CODE STROKE INSERVICE LAMC 4867 LABORATORY



LABORATORY ROLE

CODE STROKE ANNOUNCED

- 1. RESPONSE AT THE LOCATION OF CODE STROKE
 - Announce your presence Make it Loud and Clear that you are from the Lab <u>in any</u> <u>circumstance.</u>
 - This applies to inpatient floors and Emergency Department.

PATIENT NOT AVAILABLE / CT SCAN?
Follow up with the unit to see where patient is.
Investigate if patient still needs lab draw

REPORT TO CODE STROKE AND TURNED AWAY? Document full name of provider that informed you Reason lab not needed.

LABORATORY RESPONSE TO CODE STROKE IS BEING TRACKED.
CALLING TO CHECK DOES NOT COUNT AS A RESPONSE

LABORATORY'S ROLE

CODE STROKE ANNOUNCED

2. ACTION - JOINT RESPONSIBILITY

- Dispatcher may assign any Lab Asst from another floor, from Main Lab
- Patient Care Comes First!!!
- Issues and Concerns during a Code Stroke can be addressed later
- Breaks/Meal Coverage Take care of the patient, inform dispatcher and management
- Document any issues and present to management or Lead CLS



LOS ANGELES MEDICAL CENTER

PRIMARY STROKE CENTER



COMPREHENSIVE STROKE CENTER 2023

Comprehensive Stroke Center

Measurement of lab results from Order to Result

Staff education regarding Stroke and Stroke-related workflows 1 hour / year

LAMC LABORATORY
PATHOLOGY, LABORATORY, TRANSFUSION SERVICE,
FLOW CYTOMETRY, MEDICAL OFFICE BUILDINGS
2023 CODE STROKE INSERVICE

Best Practices

Staff education and manager review and follow up for every stroke case

Case review of outliers with Stroke Coordinator

Monitoring Performance

Data for the efficiency measure provided through the Stroke Committee

Daily department review of the Stroke Log to ensure appropriate documentation and compliance



TRUE STORY

LAMC LAB EMPLOYEE RECOGNIZES CODE STROKE IN A PATIENT A LIFE SAVED











BASICS OF A STROKE

Stroke occurs when blood flow to the brain is interrupted by blocked or burst vessel.

There are | 2 | types of stroke:

HEMORRHAGIC STROKE

Occurs when blood vessels burst and cause bleeding into the brain.

Hemorrhagic Stoke

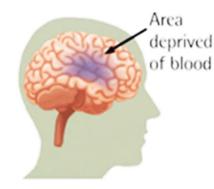




ISCHEMIC STROKE

Is defined as an injury and/or death of brain cells due to blockage with lack of blood flow in the brain to the affected area.

Ischemic Stroke







Code stroke: Communication



OVERHEAD ANNOUNCEMENT:



"Code Stroke" + Patient Location only

CODE STROKE PAGER

- Located at the Dispatcher Desk. If removed from this area, this must be returned for the next shift.
- Both Dispatchers are responsible between shifts.
- The hand off between Dispatchers for each shift should account for the whereabouts of the pager, and are equally responsible if the pager is missing or there is no documentation or incorrect documentation of the handoff.
- The Dispatcher or the Coverage for Dispatcher should know the break and meal assignments of each lab assistant at any given time and is responsible for sending a lab assistant immediately.
- A manager should be notified for any issues with receiving a response

Information on pager:

(Name Medical Record # Lo

(Name, Medical Record #, Location, Room #)





Brain Alert

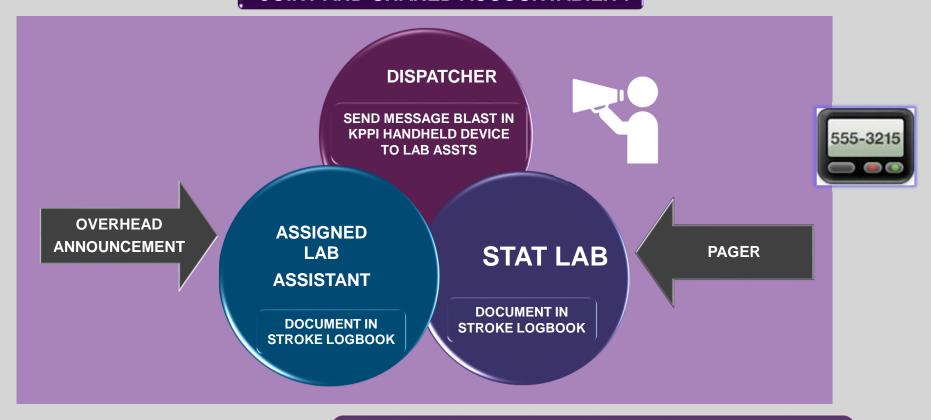


"BRAIN ALERT": NOTIFICATION OF POSSIBLE STROKE DOES MEET THE CRITERIA FOR HAVING A STROKE

CODE STROKE	BRAIN ALERT
OVERHEAD ANNOUNCEMENT / PAGE () () () () () () () () () (OVERHEAD ANNOUNCEMENT / PAGE
PHLEBOTOMY RESPONSE	O PHLEBOTOMY RESPONSE
PHONE CALL FOLLOW UP FOR SPECIMEN	O PHONE CALL FOLLOW UP FOR SPECIMEN
SPECIMEN RECD IN PURPLE BAG	SPECIMEN RECD IN PURPLE BAG ONLY NOTIFICATION
DOCUMENT IN STROKE LOG BOOK	DOCUMENT IN STROKE LOG BOOK INDICATE "BRAIN ALERT". COMPLETE AS MORE INFORMATION IS PROVIDED.



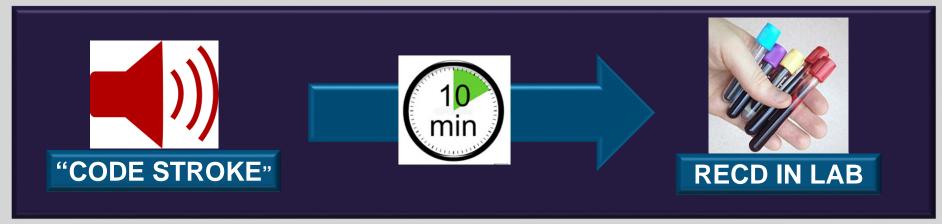
JOINT AND SHARED ACCOUNTABILITY





ANY ISSUES MUST BE ADDRESSED IMMEDIATELY – INVOLVE A MANAGER OR LEAD CLS





SPECIMENS SHOULD BE IN LAB WITHIN 10 MINUTES OF ANNOUNCEMENT
SPECIMENS SHOULD COME IN DESIGNATED PURPLE BAG

FOLLOW UP

- CALL ED /RN
- CALL DISPATCHER
- CALL LAB ASST ASSIGNED



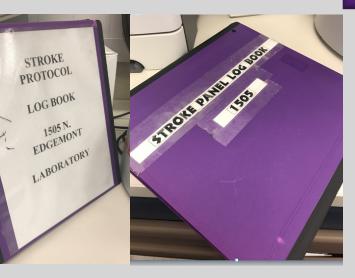


DOCUMENTATION

CODE STROKE BINDER - STAT LAB

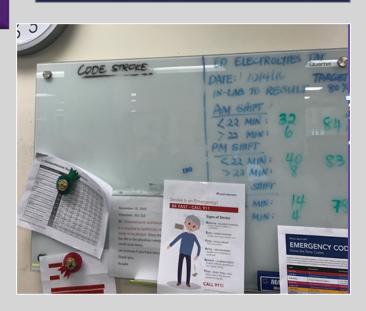


- IDENTIFY PATIENT NAME
- ARRIVAL OF SPECIMEN
- HAND OFF TO CLS





STAT LAB – "WHITE BOARD"





Code stroke: BARRIERS

ISSUES AND EXCEPTIONS:

NOTIFY IMMEDIATELY

Dispatcher/ INPATIENT LAB ASSTS	PROCESSING – STAT LAB LAB ASSTS / REPS / CLS	STAT LAB CLS CALL RN/MD PROVIDER
LAB ASST — CHALLENGES IN OBTAINING SPECIMEN LOCATING PATIENT PATIENT ACCESS BREAK/MEAL COVERAGE CONCERNS (PATIENT CARE FIRST)	SPECIMEN LABEL ISSUES • NO LABEL, MISLABELLED SPECIMEN ORDER ISSUES: • WRONG ORDER OR INCORRECT ORDER	SPECIMEN HEMOLYZED UNACCEPTABLE FOR TESTING INVALID RESULTS INSTRUMENT DELAY PROCESS DELAY
Dispatcher – NO RESPONSE FROM PHLEBOTOMIST WORKFLOW CHALLENGES TEAMWORK ISSUES	SPECIMEN ISSUES: OUTPUT OUTP	INVALID RESULTS – • DO NOT WAIT TO REPEAT





DOCUMENTATION

CODE STROKE LOG

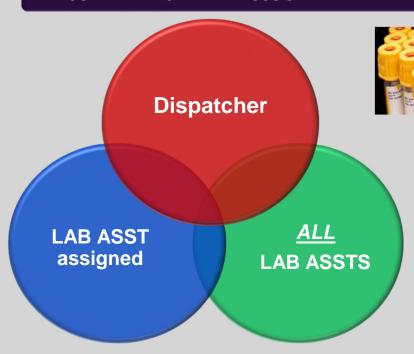
KAISER PERMANENTE	CODE STROKE LAMC LAE	v 2-2017		
DATE: Patient Information/Label:	TIME ANNOUNCED OVERHEAD	TIME PAGER ALERT RECD	TIME RECD Pneumatic Tube	Tubes Recd:
	~	STE		☐ Blue ☐ Green
	Communicate: Controller Lyb Asst		RECD in PURPLE BAG?	Lav
	Follow with RN/L 10 min from annour	ab Asst if not recd in ncement	☐ YES ☐ NO	Recd By:
DATE: Patient Information/Label:	TIME ANNOUNCED OVERHEAD	TIME PAGER ALERT RECD	TIME RECD Pneumatic Tube	Tubes Recd:
				☐ Blue ☐ Green
	Communicate: Iden Controller, Lab Asst		RECD in PURPLE BAG?	Lav
	Follow up with RN/L 10 min from annour	☐ YES ☐ NO	Recd By:	



Code stroke: PHLEBOTOMY RESPONSE

JOINT AND SHARED ACCOUNTABILITY





LAB RESPONSE TO CODE STROKE IS BEING TRACKED & DOCUMENTED



Code stroke: phlebotomy response



REPORTING TO THE CODE STROKE



ANNOUNCE YOUR PRESENCE LOUD AND CLEAR — MAKE SURE PROVIDERS KNOW THAT YOU ARE FROM THE LABORATORY

PATIENT NOT AVAILABLE? I.E. CT SCAN

- FOLLOW UP WITH PROVIDER
- FOLLOW THE PATIENT TO COLLECT BLOOD

LAB NOT NEEDED?

- OBTAIN THE FULL NAME OF WHO INFORMED YOU
- DOCUMENT THAT PROVIDER'S NAME IN KPPI
- FOLLOW UP AND MAKE SURE DOCUMENTED IN MEDICOPIA
- INFORM Dispatcher, STAT LAB
- STAT LAB DOCUMENTS IN CODE STROKE LOG BOOK



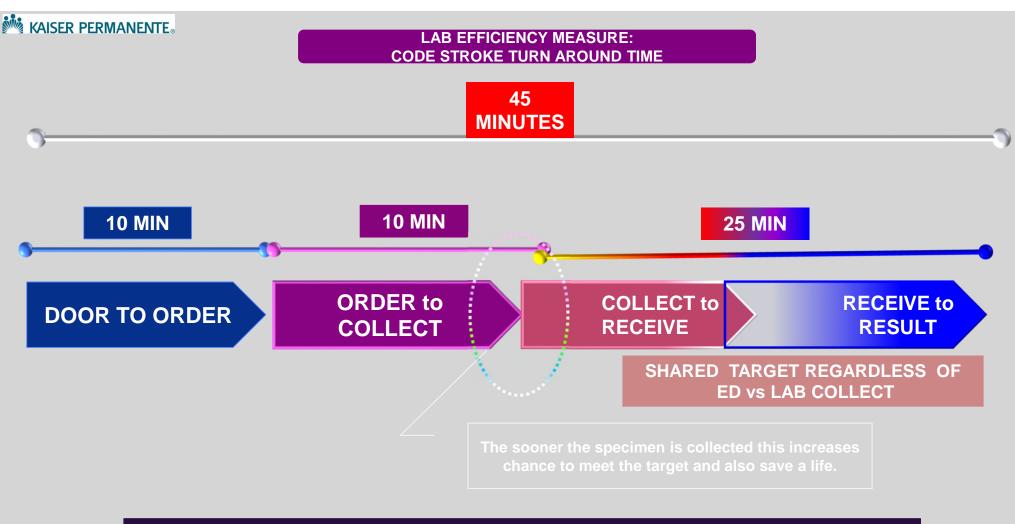
Efficiency Measures - Lab

+ Efficiency Measures: Lab Resulted (Median- Minutes)

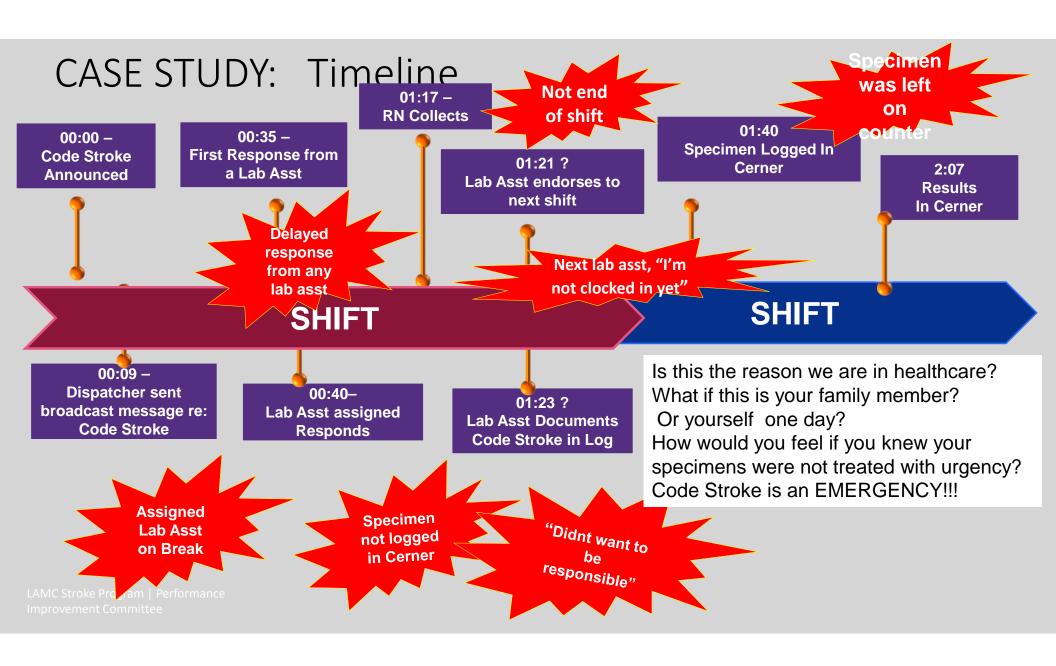


Efficiency Measures / ED	Target	Aug- 2021	Sep- 2021	Oct- 2021	Nov- 2021		Jan- 2022	Feb- 2022	Mar- 2022	Apr- 2022	May- 2022	June- 2022		12- month	2021 YE	2020 YE
Total ED Code Strokes		15	17	18	20	30	17	16	10	15	25	23	19	225	249	230
Door to Lab Resulted	# cases	14	16	16	17	25	17	15	8	12	18	17	13	32	34	34
Door to Lab Resulted	≤ 45min	29	32	34	34	33	29	36	28	26	32	31	34		54	54

Efficiency Measures / Inpatient	Target	Aug- 2021	Sep- 2021	Oct- 2021	Nov- 2021	Dec- 2021	Jan- 2022	Feb- 2022	Mar- 2022	Apr- 2022	May- 2022	June- 2022	July- 2022	12- month	2021 YE	2020 YE
Total Inpatient Code Strokes		11	15	14	14	8	10	12	18	11	6	8	10	137	181	161
Symptom Recognition to Lab Resulted	# cases	2	6	6	3	2	5	9	5	4	2	3	8	70	74	69
	≤ 45min	95	84	78	131	62	83	75	61	65	65	54	65	,		09



Documentation is imperative when there are delays i.e. (CT Scan, RN dismissed the lab to collect – obtain the name)





True or False:

In the Previous Case Study, what would be your answer to the following statements:

- Pispatcher could have identified a lab asst to collect the specimen and not wait so long for a response
- ? The Dispatcher could have informed a manager when they are challenged to send a lab asst
- ? The Lab Assistant should log Code Stroke in the book and receive specimens in Cerner
- ? The Lab Asst made a good decision in not logging in specimens in Cerner to avoid responsibility
- It is acceptable not to respond because this was the end of the shift and the next shift would arrive soon
- ? Communication was acceptable because the information was given to the next shift properly
- ? Those that are covering the floor where the Code Stroke patient is located while the assigned lab assistant is on their meal period, are not responsible for responding do the Code Stroke
- If a family member or a loved one was in the ED for a Code Stroke, I would feel confident with the same staff involved to handle and process the specimens and I would have done the same thing.





LOS ANGELES MEDICAL CENTER HAS EARNED THIS DISTINCTION BY THE JOINT COMMISSION, THE FIRST AND ONLY SCAL KAISER PERMANENTE FACILITY TO ACHIEVE THIS?

- A FASTEST TURN AROUND TIME FOR RESULTS
- B RAISED ITS CERTIFICATION FROM PRIMARY STROKE CENTER TO COMPREHENSIVE STROKE CENTER
- C FORMATION OF A STROKE COMMITTEE
- D BEST STROKE EDUCATION PROGRAM



AS A REQUIREMENT FOR MAINTAINING COMPREHENSIVE CERTIFICATION, WHICH OF THE FOLLOWING IS TRUE FOR THE LABORATORY?

- A ALL EMPLOYEES SHOULD RECEIVE STROKE EDUCATION ANNUALLY
- B THE TURN AROUND TIME FOR LAB TESTS IS 45 MINUTES FROM DOOR TO RESULT.
- THE PHLEBOTOMISTS IS REQUIRED TO RESPOND TO LOCATION WHERE THE CODE STROKE IS ANNOUNCED
- ANY CHALLENGES IN OBTAINING SPECIMEN OR ANY REASON FOR DELAY SHOULD INVOLVE THE MANAGER.



COMPLETE THE ACRONYM: BEFAST

- BALANCE
- **E** YES
- F ACE
- A RMS
- SPEECH
- **IME**



ANY QUESTIONS?





