

CARE4 MODULE: EDM and Medical Imaging Indicators

Overview - CT and US share interventions with the ED in order to provide clear instructions between departments when patients require specific preparation and communication for the procedures ordered while they are in the ED.

Nursing Tracker – Patient has been ordered a procedure by the physician which shows in the US column

Recently Accessed 5 patients as of 07/09/2021 12:30																								
CTAS	Room Age/Sex RV	Patient Name Chief Complaint Special Indicators	C	F	R	Physician MRP Nurse	Surveillance	ACK	APPTS	UNC	* LAB	BBK	MIC	RAD	CT	US	P	S	ECG	PREC	ADMIT	BPMH	LOS Time Status Event Time	
4	10 ORANGE 19 0m M	Trainrv,Ed02_0901 Abdominal Mass/Distention				ZZTemplate Stephanie		Ack-M...						RAD					ECG	No Pr...			148h 35m In Room 6m	
3	39 GREEN 34 M	Rvh,Ectas 15.0 Hypertension				Physician Heather		Ack								US				No Pr...			3h 13m To Be Seen 2h 33m	
2	MHS 01 40 F	Rvh,Ectas 16.0 Anxiety/Situational Crisis				Physician														No Pr...			2h 32m With MD 2m	
2	62 F	Code_Stroke Extremity Weakness/Symptoms of...				Physician		Ack-M...											ECG	No Pr...			1h 46m Admitted Patient 262h 14m	
	76 M	Pcs,Archie Hearing and/or Vision Assist -...						Ack-M...						RAD	CT								ADMIT	

Medical Imaging Tracker shows patients who have been ordered RAD, CT and US

Medical Imaging Selection: Medical Imaging 33 patients as of 07/09/2021 12:31																						
CTAS	Room Age/Sex RV	Patient Name Chief Complaint Special Indicators	C	F	R	Physician MRP Nurse	Surveillance	PREC	* LAB	RAD	CT	US	P	S	CT Prep Complete	Time	US Prep Complete	LOS Time Status Event Time				
2	34 BLUE 29 F	Trainrv,Ed07 Abdominal Pain Hearing and/or Vision Assist -...				Poulter Gail		Conta...		RAD					Gown on, IV/SL ...	14:05			360h 36m With MD 339h 30m			
3	36 GREEN 37 F	Trainrv,Ed06_0826 Abdominal Pain				ZZTemplate		Drop...		RAD									285h 29m To Be Seen 285h 25m			
3	37 GREEN 55 M 1	Demo,Diagnostic Do Not Use Abdominal Pain				Physician		Conta...			CT	US			Gown on, IV/SL ...			140h 38m In Room 140h 8m				
3	38 GREEN 22 F	Trainrv,Ed02_0830 Abdominal Pain Advanced Care Planning				Irish Registered Nurs...		Conta...	LAB	RAD		US						192h 17m With MD 167h 32m				
3	39 GREEN 34 M	Rvh,Ectas 15.0 Hypertension				Physician Heather		No Pr...											3h 14m To Be Seen 2h 35m			
4	43 GREEN 88 F 1	Trainrv,Ed08_0901 Abdominal Pain				ZZTemplate Melissa		Drop...		RAD					Gown on, IV/SL ...			148h 3m Admit Request 145h 20m				

Tech opens the chart and documents on the intervention for their own modality – ie US

Interventions	Last Done	St
A ED Adult Physical Assessment		
A Current Home Medications	(1)	
A Vital Signs	(8)	
A ED Pain Assessment		
A Height and Weight		
A IV: Peripheral Assessment		
A ED Cardiac Monitoring Assessment		
A ED Purposeful Rounding		
A ED MI Send for CT		
A ED MI Preparation for CT		
A IO Intake and Output		
A ED Meds to Go		
A ED Patient Education		
A ED TOA Transfer of Accountability		
A ED BPMH		
A ED MI Preparation for US		
A ED MI Send for US		

- ED MI Preparation for CT
- ED MI Send for CT
- ED MI Preparation for US
- ED MI Send for US

Interventions	Required	Change into
ED MI Preparation for US		
Assessments		
Preparation for Ultrasound		
US Preparation Requested (US Tech)		
US Preparation Required	Change into	NPO
Expected Time of Procedure	13:00	
Expected Time of Procedure	13:00	
Comment re: Prep		
US Preparation Completed (ED Staff)		
US Preparation Completed		

CTAS	Room Age/Sex RV	Patient Name Chief Complaint Special Indicators	C F R	Physician MRP Nurse	Surveillance	PREC	LAB	RAD	CT	US	P	S	CT Prep Complete	Time	US Prep Complete	LOS Time Status Event Time
3	39 GREEN 34 M	Rvh,Ectas 15.0 Hypertension		Physician Heather		No Pr...				US						3h 22m In Room 0m
4	43 GREEN 88 F 1	Trainrv,Ed08_0901 Abdominal Pain		ZZTemplate Melissa		Dropl...		RAD					Gown on, IV/SL ...			148h 10m Admit Request 145h 28m

The tech documentation shows in the Details. Indicator under P shows as blue

ED staff document when patient prep is completed - shows in the column(s) beside the indicator on the MI tracker. On the ED tracker this info shows in the details section of the zone/colour and My List trackers

CTAS	Room Age/Sex RV	Patient Name Chief Complaint Special Indicators	C F R	Physician MRP Nurse	Surveillance	PREC	LAB	RAD	CT	US	P	S	CT Prep Complete	Time	US Prep Complete	LOS Time Status Event Time
3	39 GREEN 34 M	Rvh,Ectas 15.0 Hypertension		Physician Heather		No Pr...				US					Gown On, NPO	6h 08m In Room 41m

Imaging staff then document to send the patient and the indicator identifies that ED can arrange for patient to go to the department.

Interventions	ED MI Send for US
Assessments	Send to US
	Send to US
	Send to US

US	P	S	CT Prep Complete	Time	US Prep Complete
US					Gown On, NPO


Once the test is complete the tech clicks into the Status/Due column and changes the intervention from Active to Cancelled. The indicators grey out on all trackers. The colour of the US will change as examination is processed through IDM.

A	ED MI Preparation for US	13m	Active
A	ED MI Send for US	3m	Cancelled

US		
----	--	--

2nd Procedure: If the patient is then ordered a procedure in CT – the order is placed by the physician and CT would then determine the preparation required. Once again the prep required is in the details section of the tracker. A second indicator shows in the P (prep) column in blue to let ED staff know that a new exam and prep has been determined.

CTAS	Room Age/Sex RV	Patient Name Chief Complaint Special Indicators	C F R	Physician MRP Nurse	Surveillance	PREC	LAB	RAD	CT	US	P	S	CT Prep Complete	Time	US Prep Complete	LOS Time Status Event Time
3	39 GREEN 34 M	Rvh,Ectas 15.0 Hypertension		Physician Heather		No Pr...			CT	US					Gown On, NPO	6h 33m In Room 3h 11m

Nurse completes and documents their portion of the CT prep intervention – CT tech will see those results (and a time commenced if fluids were required) and lets the ED know to send the patient over by completing the Send to CT intervention. This activates the  in the S column.

CTAS	Room Age/Sex RV	Patient Name Chief Complaint Special Indicators	C F R	Physician MRP Nurse	Surveillance	PREC	LAB	RAD	CT	US	P	S	CT Prep Complete	Time	US Prep Complete	LOS Time Status Event Time
3	39 GREEN 34 M	Rvh,Ectas 15.0 Hypertension		Physician Heather		No Pr...	LAB		CT	US			Gown on, IV/SL ...		Gown On, NPO	6h 44m In Room 3h 21m