







#### Ordering, Obtaining & Completing 12 Lead EKGs in the ED / FSED (Cerner Firstnet Users)

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## EVERY EKG MUST HAVE:

- Correct Patient Information entered into the EKG machine. (MRN number – NOT FIN!!!)
- EKG must be transferred.
- An EKG Order must be entered into Cerner
- The EKG Order must be SIGNED OFF in Cerner.

In order for the EKG to transfer into Cerner and remain a permanent part of the patient's chart ALL FOUR of the above items must be done CORRECTLY – with EVERY EKG!

## **CRITICAL STEPS in DOING <b>STAT** EKGs:

- 1. Manually enter CORRECT information into EKG machine
- 2. Obtain EKG
- 3. Transfer EKG
- 4. Place EKG Order in Cerner
- 5. Sign Off EKG Order in Cerner

## STAT EKG – Manual Entry (patient info):

- Enter Patient Data directly into the EKG machine when there is not time to enter the order into Cerner first.
- NOTE: When you do a "STAT EKG" an ORDER MUST be placed into Cerner ASAP.

FOR EVERY EKG that is obtained, there MUST be an accompanying EKG ORDER in Cerner.

#### **Manually Enter Patient Information:**



1. Power ON the EKG machine and let it boot up. (this takes approx 30 seconds).

#### **Manually Enter Patient Information:**



Select "ID"

## Select the "New Patient" tab.....

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	•	0 4:09:46 PM	12/20/2018
New Patient	Worklist 4	Find Patient	Edit Patient ID
Patient ID			
Last Name			
DOB (mm/dd/yyyy)			
First Name			
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#### **Patient Info Data Format Requirements:**

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#### STAT EKG – Manual Entry (patient info):

NEVER USE THE FIN NUMBER !!!!

#### STAT EKG – Manual Entry (patient info):

# ALWAYS USE THE MRN NUMBER !!!!

# The ONLY WAY The EKG will **TRANSFER into Cerner** Is if you use the MRN number!

**Note:** if you use the FIN number, the EKG will "appear to Transfer" when you press the 'Transfer' button – but it WILL **NOT** attach to the patient's chart in Cerner! ...and the Doctor WON'T be able to see it !!!

**Also....**be aware that the **PAPER COPY of the EKG DOES** NOT Go to the floor with the patient. The ONLY WAY for doctors outside of the ED to "see the EKG" is "via Cerner." If the FIN number was used on the EKG the Docs won't find it in Cerner!

## **CRITICAL STEPS in DOING <b>STAT** EKGs:

- 1. Manually enter CORRECT information into EKG machine
- 2. Obtain EKG
- 3. Transfer EKG
- 4. Place EKG Order in Cerner
- 5. Sign Off EKG Order in Cerner

# Once Patient Info has been entered, go to "ECG" mode.....



### **Obtaining the EKG....**



Attach wires to patient in correct positions.....

## Obtaining the EKG.....



When the EKG waveform looks good, press the "EKG" button to record the EKG.



When you "CLOSE" the EKG, it deletes the bad copy.

ALWAYS IMMEDIATELY DELETE a poor quality EKG!!!! (Don't SAVE or PRINT !)

If you select "PRINT" with the BAD QUALITY EKG, the machine may "SAVE" it – that means the bad quality EKG will be what ATTACHES TO THE EKG ORDER in Cerner. That means when you obtain a GOOD quality EKG, it will NOT transfer to Cerner – because the "BAD EKG" already took it's spot.

# If you like the ECG . . . *PRINT IT*

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P QRS -	26		- ARROPHAL XCG -				
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# ....and then ...

# After the EKG has been OBTAINED (and PRINTED) you must TRANSFER it . . . .

## **CRITICAL STEPS in DOING <b>STAT** EKGs:

- 1. Manually enter CORRECT information into EKG machine
- 2. Obtain EKG
- 3. Transfer EKG
- 4. Place EKG Order in Cerner
- 5. Sign Off EKG Order in Cerner

#### **TRANSFER THE EKG !!!**



(this step is necessary to get the EKG into Cerner so doctors outside of the ED can see it)....

## **"TRANSFERING"** the EKG

Once the EKG is *transferred,* it waits in the que until a *Matching EKG Order* is placed in Cerner. Once the EKG ORDER is in Cerner, the EKG "attaches" to the Order and only then is the EKG is visible to Doctors in Cerner.

- All EKGs obtained in the ED (paper copies) DO NOT go with the patient when the patient gets admitted. The ONLY way Doctors outside the ED can see EKGs is IN CERNER.

## **CRITICAL STEPS in DOING <b>STAT** EKGs:

- 1. Manually enter CORRECT information into EKG machine
- 2. Obtain EKG
- 3. Transfer EKG
- 4. Place EKG Order in Cerner
- 5. Sign Off EKG Order in Cerner

#### Placing EKG Orders in Cerner – ED Patients

	Additional Nursing Forms Interactive View and I <u>O</u>	r .	OBOTINI	Necentry	uischai	960	PLS	RENUT ED AN D	eas - UB		FLORENL
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2	Start Event	, or	4:29	RS		Paul	Y	8	8		
3	Complete Event		4:15	RS		Nick	Ť	8			
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3 P 1 EL	68 y Q 1:Abdominal pain		1:06		KW	Nick	Ĭ	8 O* -			
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3 F	38 v 🔾 1 Dizziness		0.16		KW	Paul		<b>X O</b> =			

2. Select "Add Order" from menu

#### Place EKG Order in Cerner – ED Patients



#### 1. Type "ekg" in search box

- 2. Select "EKG ED (T;N, STAT, Chest Pain)
- 3. Select "Done"



- Type in Dr.'s name (last name, first name)
- Select "Per Policy Cosign"
- Select "OK"



#### 1. Highlight the correct provider

Username:       Clear         Limit by group       Imit by organization         Limit by organization       Imit by position         Limit by position       Imit by position         Limit by relationship       Imit by relationship         View physicians only       Imit by positions         Name       Positions         Martin, Mary S Md       ED Physician         Bayfront Health S       FLSR_OR         MARTIN, MARY       Physician - View         Bayfront Health S       FLSR_OR         MARTIN, MARY       Physician - View         Bayfront Health S       FLSR_OR         MARTIN, MARY       Physician - View         MARTIN, MARY       Physician - View					Preview
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#### Now the order is in Cerner

On the "ED Greaseboard" you'll see the **EKG order** shows up for your patient in the "EKG" column. Since there is 1 EKG currently ordered it shows up as " 1/0 ."



## Magnified view of EKG Order

## "1/0" EKG(s)



**Our patient** 

# NOTE:

• For EVERY EKG that is obtained, there must be a matching order for that EKG in Cerner.

For example, if six EKGs are obtained on the patient, and you want all six to be visible to doctors in Cerner, there must be SIX SEPARATE EKG ORDERS entered into Cerner. (Only ONE EKG attaches to ONE ORDER).

## **CRITICAL STEPS in DOING EKGs:**

#### **1. Place EKG Order in Cerner:**

- ED Patients. (ED & FSED)
- Non-ED Patients (Inpatients, pre-op, ED hold, etc).
- 2. Assure CORRECT information entered into EKG machine (follow one of the two items listed below):
  - EKG Order is placed in Cerner BEFORE EKG obtained.
  - STAT EKG with Manual Information Entry.
- 3. Obtain EKG.
- 4. TRANSFER EKG.
- 5. Sign Off EKG Order in Cerner.



#### **Our Patient**

		-																_		
A	Name	Age	All	Reason for Visit	LOS	EP	MLP	RN	NR	To Do					PO	C	Activities	EKG	Ord	ers
2	N	34 )	0	1:Motor vehicle crash - major	4:07	RS		Paul	Í	8							<u> </u>	-	9 <sup>30</sup>	5°
3	A	36 y	/ 🗭	1:Shortness of breath	3:53	RS		Nick	3	20							- 🕂 📋	7	R	
3	F	70 y	/ <b>Q</b>	1:Chest pain	3:46	RS		Paul	3	20							<u> </u>	2/1	R	<b>9</b> 7
3	A	46 y	/ 🗭	1:Vomiting	2:41	RS		Merlin		🖏 🗘*							÷	7		
4	L	80 y	/ <b>G</b>	1:Cough	2:32	RS		Karle	Ĩ	💑 🚥							🗎 🕂 🌒		<b>9</b> 70	<b>9</b> 7
3	E HL	78 y	/ 🗭	1:Diarrhea, 2:Abdominal pain	2:30	RS		Nick	Ĩ	💑 🛑	٠						🗎 🕂 🌒		<b>9</b> 7	gr)
3	L	94 y	0	1:Syncope/Near syncope	2:11	RS		Merlin		8								7	R	9°
4	M	82 y	vQ,	1:Nosebleed	1:25	RS		Merlin	Ĩ	🖏 🔿*						_	1 o L			
3	F J	73 y	<mark>/</mark> 🖓	1:SOB - Shortness of breath	1:21	RS		Paul	1	8									R	
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4	8	88 )	y 🔍	1:Hip pain-swelling	0:36	RS		Karle		8										

1. In the "Activities" column....

 DOUBLE CLICK (Left click) inside the Activities block for the patient – this will open the "Check-off Box" ......

ZZTEST, KRISTENA Allergies: Apple Juice	DOB: 12/1 Age: 39 ye Patient W Code StatuIsolation: Outpatien <b>Opted in the Directo</b>	t: Sex: Female MRN: 12855 Attend nt FIN: FLSR1000082880 [Visit Dt: 10 <b>ry: Not Asked</b> COVID-19 Status: N	ing: CERNER, CERNER Cerner /13/ Loc:FLSR ED; DSTR; A lot Tested / Unsure
	MAB		🔊 Refresh
Medications (0)	Medications (0)		
Patient Care (0)			
Assessments (1)	Patient Care (0)		
Other (0)			
	Assessments (1)		
3 >	📄 🔲 EKG ED		
	10/13/20 11:33:00 EDT, STAT, C	hest Pain; Electrocardiogram ED	
	Other (0)		
Show completed tasks		Not Done Docum	ent Cancel

#### 3. Place cursor in this box and left click.....

<b>ZZTEST, KRISTENA</b> Allergies: Apple Juice	DOB: 12/1 Age: 39 ye Patient Wt Code StatuIsolation: Outpatient	: Sex: Female MRN: 12855 Attending: CEF : FIN: FLSR1000082880 [Visit Dt: 10/13/ L	RNER, CERNER Cerner oc:FLSR ED; DSTR; A
	Opted in the Director	y: Not Asked COVID-19 Status: Not Teste	ed / Unsure
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Medications (0)	Medications (0)		
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	10/13/20 11:33:00 EDT, STAT, Ch	est Pain; Electrocardiogram ED	
	211 (2)		
	Uther (U)		
		マック	•
Show completed tasks		Not Done Document	Cancel

#### Now that a "check mark" is in the "EKG ED" box, right-click on "Document"



- 5. Enter the date and time.
- Enter the doctor or mid-level provider's name who "interpreted" the EKG.....

ged FLSRERCH ED /		All Beds - Pr/ML/	/PA
FLSR ED All Beds - Se 🚔 Assessments (1)		BGYN Provider V	/iew
EKG Completed Date and Time - ZZTEST, KRISTENA			$\times$
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*Performed on: 10/13/2020	By: RUPPERT JR, Wayne W Acco	reditation Coordi	inator
EKG Completed D			~
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EKG Completed Date and Time	EKG Interpreted by		
10/13/2020 🛊 🗸 1139 🛊	Santiago-Aponte, Rafael MD		~
<			>
		In Progress	

7. Now that the Date, Time and EKG Interpreter's name are present, hit the "ENTER" key.....

**Document Activities** 

 ZZTEST, KRISTENA
 DOB: 12/1... Age: 39 ye... Patient Wt: Sex: Female MRN: 12855 Attending: CERNER, CERNER Cerner...

 Allergies: Apple Juice
 Code Statu...Isolation: Outpatient FIN: FLSR1000082880 [Visit Dt: 10/13/... Loc:FLSR ED; DSTR; A

 Opted in the Directory: Not Asked
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Assessments (0)	Assessments (0	)	
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The EKG has been "successfully signed off !" (It no longer appears in the "check-off box").

## The "Final Step" – you must "SIGN OFF" the Order in Cerner

If you don't "sign off" the order in Cerner, after the patient is discharged from the hospital, the **EKG "detaches" from the patient's chart in Cerner.** That means it will no longer be available to doctors should the patient return to the hospital at a later date. It also means the hospital cannot bill for the EKG. Every time this happens, it takes a manager approx. 15 minutes to fix the error. The person responsible is determined and notified.

Congrats! You've signed-off the EKG Order ! The status now shows in Cerner as: "COMPLETE"

#### FOUR ESSENTIAL LINKS

for getting every EKG into Cerner:

**EKG Order in Cerner** (a separate EKG Order for *EVERY* EKG).

MRN Number and Correct Patient Information in EKG machine *NEVER* the FIN number!

TRANSFER EKG immediately after it is obtained

"Complete EKG Order" (sign-off from Worklist in Cerner) after EKG has been Transferred.

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Just like a chain, if any of the links are broken, the chain will fail. If any of the above items are not completed, or are done incorrectly, the EKG will NOT be a part of the patient's permanent medical record.

## For additional information:

Contact Wayne Ruppert at:

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