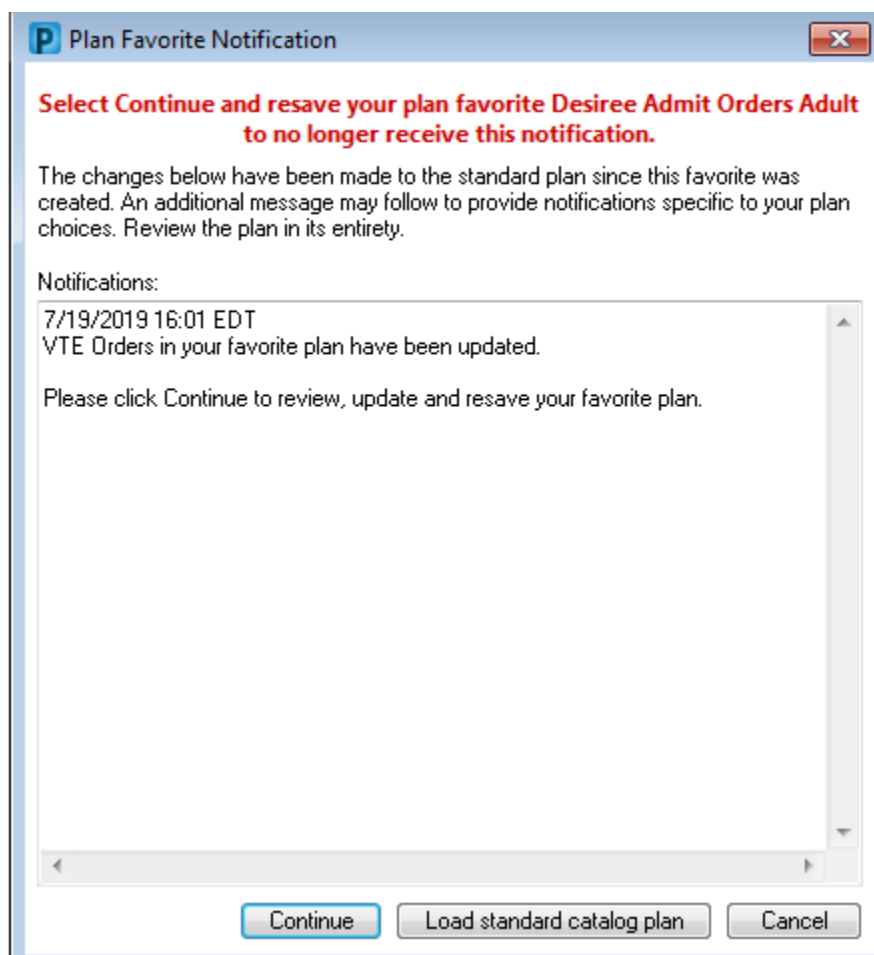


7/23/2019

## VTE Updates

If user has a favorite saved they will get a notification:



## VTE Ordering and Documentation

### VTE FROM ADMISSION POWERPLANS

- **Overview:**

All Admission PowerPlans have (3) sections that should be addressed.

1. VTE Prophylaxis

There is a prechecked order for VTE Risk Assessment. This order allows for documentation on the Caprini Assessment.

VTE Prophylaxis	
<input checked="" type="checkbox"/>	VTE Risk Assessment

2. Pharmacologic Prophylaxis. Recommended Medications are included within each PowerPlan.

There is also a prechecked order for “Reason for No VTE Pharmacological Prophylaxis”. One of these orders must be included for each patient.

	Component	Status	Dose ...	Details
Medications				
VTE Prophylaxis				
	***QUALITY MEASURE: VENOUS THROMBOEMBOLISM (VTE) PROPHYLAXIS, Must order PHARMACOLOGIC and MECHANICAL. If not, indicate reason.***			
	Pharmacologic Prophylaxis			
	Consider Heparin Q12H regimen in patients >75 years or < 60 kg			
<input type="checkbox"/>	heparin			5,000 units, SubCutaneous, Injection, Q8H Scheduled
	Recommend Lovenox 30mg Daily for CrCl < 30			
<input type="checkbox"/>	enoxaparin (Lovenox)			40 mg, SubCutaneous, Injection, Daily
<input checked="" type="checkbox"/>	Reason for No VTE Pharmacological Prophylaxis			

3. Mechanical Prophylaxis. Recommended Mechanical Prophylaxis are included within each PowerPlan.

There is also a prechecked order for “Reason for No VTE Mechanical Prophylaxis”. One of these orders must be included for each patient.

	Component	Status	Dose ...	Details
Mechanical Prophylaxis				
<input type="checkbox"/>	Above the Knee Graduated Compression Stocking (C...			T;N, Constant Order, Knee-high
<input type="checkbox"/>	Early and Progressive Mobilization			T;N, Constant Order
<input type="checkbox"/>	Intermittent pneumatic compression devices (Sequen...			T;N, Constant Order
<input checked="" type="checkbox"/>	Reason for No VTE Mechanical Prophylaxis			

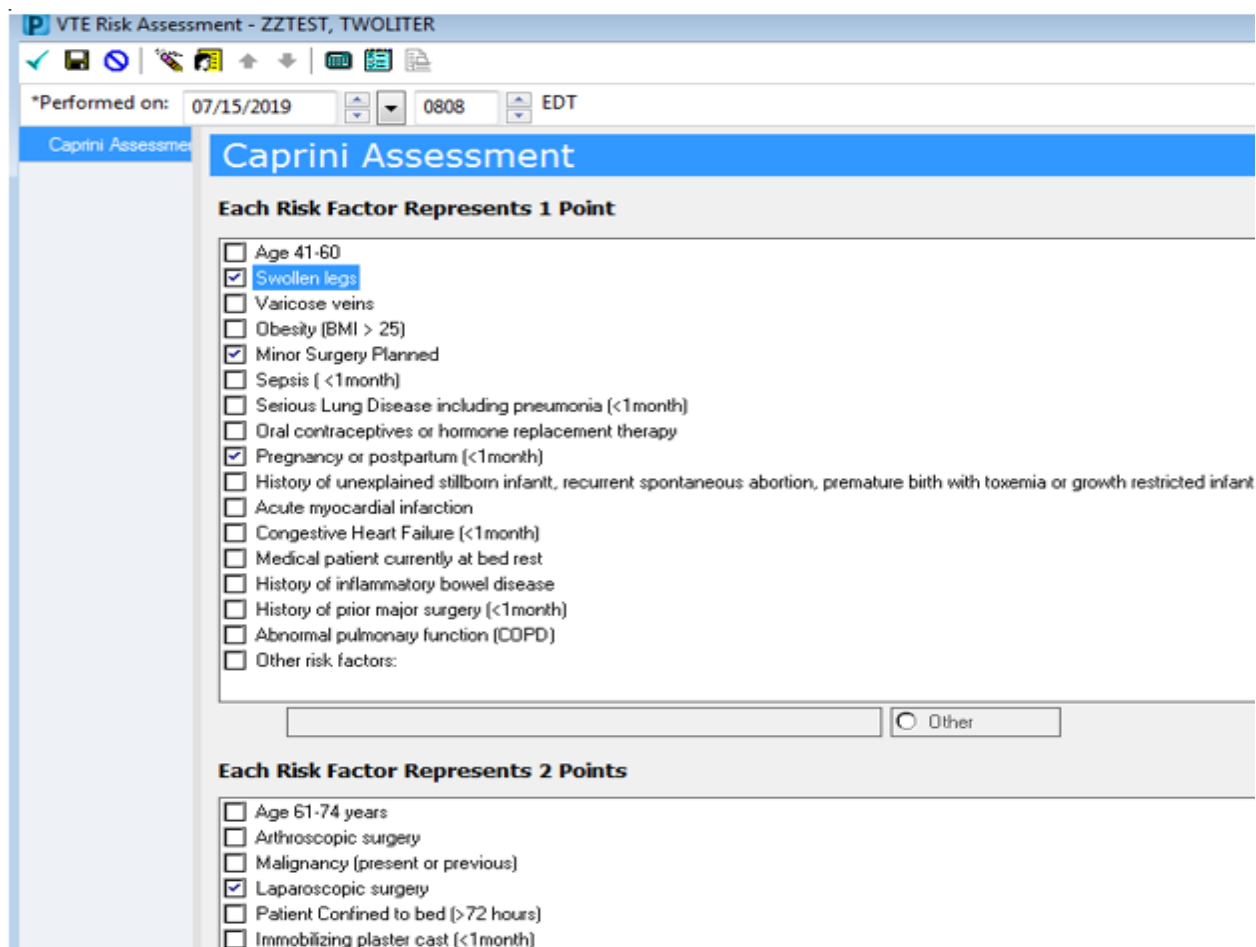
- How Does Each Section Work?

1. VTE Risk Assessment



Right click on the VTE Risk Assessment order and select Modify.

Caprini Assessment PowerForm opens to allow for documentation.



VTE Risk Assessment - ZZTEST, TWOLITER

\*Performed on: 07/15/2019 0808 EDT

### Caprini Assessment

**Each Risk Factor Represents 1 Point**

- Age 41-60
- Swollen legs
- Varicose veins
- Obesity (BMI > 25)
- Minor Surgery Planned
- Sepsis (<1month)
- Serious Lung Disease including pneumonia (<1month)
- Oral contraceptives or hormone replacement therapy
- Pregnancy or postpartum (<1month)
- History of unexplained stillborn infant, recurrent spontaneous abortion, premature birth with toxemia or growth restricted infant
- Acute myocardial infarction
- Congestive Heart Failure (<1month)
- Medical patient currently at bed rest
- History of inflammatory bowel disease
- History of prior major surgery (<1month)
- Abnormal pulmonary function (COPD)
- Other risk factors:

Other

**Each Risk Factor Represents 2 Points**

- Age 61-74 years
- Arthroscopic surgery
- Malignancy (present or previous)
- Laparoscopic surgery
- Patient Confined to bed (>72 hours)
- Immobilizing plaster cast (<1month)



# CERNER FLASH

Document on form and sign by clicking on the green Check.  
Form closes. Returned to order details.

Requested Start Date/Time: \*\*/\*\*/\*\*\*\* EDT

Special Instructions:

\*VTE Risk Assessment Complete:  Yes  No

VTE Risk Assessment Complete: Select **Yes**

## Details for VTE Risk Assessment

Details Order Comments Offset Details Diagnoses



Requested Start Date/Time: \*\*/\*\*/\*\*\*\* EDT

Special Instructions:

\*VTE Risk Assessment Complete:  Yes  No

Return to PowerPlan to complete ordering process.

## 2. Pharmacologic Prophylaxis

Within each Admission PowerPlan there is a Pharmacologic Prophylaxis section that has appropriate medications and a prechecked order for "Reason for No VTE Pharmacologic Prophylaxis"

Pharmacologic Prophylaxis			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Consider Heparin Q12H regimen in patients >75 years or < 60 kg	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	heparin	5,000 units, SubCutaneous, Injection, Q8H Scheduled
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Recommend Lovenox 30mg Daily for CrCl < 30	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	enoxaparin (Lovenox)	40 mg, SubCutaneous, Injection, Daily
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reason for No VTE Pharmacological Prophylaxis	

**It is required that "1" of these orders be selected during the ordering process.**

If no Pharmacologic Prophylaxis is being given leave order checked.

If a medication is needed place a check on the appropriate medication. The Reason for No VTE Pharmacologic Prophylaxis will automatically uncheck.

		Pharmacologic Prophylaxis	
		Consider Heparin Q12H regimen in patients >75 years or < 60 kg	
<input checked="" type="checkbox"/>		heparin	5,000 units, SubCutaneous, Injection, Q8H Scheduled
		Recommend Lovenox 30mg Daily for CrCl < 30	
<input type="checkbox"/>		enoxaparin (Lovenox)	40 mg, SubCutaneous, Injection, Daily
<input type="checkbox"/>		Reason for No VTE Pharmacological Prophylaxis	

End User may see the following. However, there is no action that you will need to take as this "pop up message" will go away.

Orders Medication List

Add to Phase
 Check Alerts
 Comments
 Start: Now
 Duration: None

Component	Status	Dose ...	Details
<div style="border: 1px solid black; padding: 5px;">           The inclusion of heparin has automatically excluded 1 linked component(s).            Heparin-Lovenox: Include exactly 1 of 3 component(s).         </div>			
<input checked="" type="checkbox"/>		heparin	5,000 units, SubCut Scheduled
		Recommend Lovenox 30mg Daily for CrCl < 30	
<input type="checkbox"/>		enoxaparin (Lovenox)	40 mg, SubCutaneous
<input type="checkbox"/>		Reason for No VTE Pharmacological Prophylaxis	
		Mechanical Prophylaxis	
<input type="checkbox"/>		Above the Knee Graduated Compression Stocking (C...	T;N, Constant Orde
<input type="checkbox"/>		Early and Progressive Mobilization	T;N, Constant Orde
<input type="checkbox"/>		Intermittent pneumatic compression devices (Sequen...	T;N, Constant Orde
<input checked="" type="checkbox"/>		Reason for No VTE Mechanical Prophylaxis	

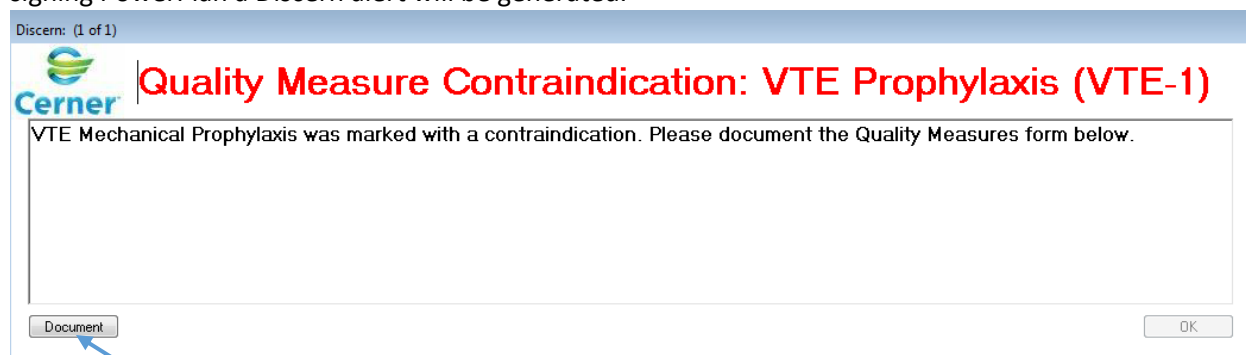
### 3. Mechanical Prophylaxis

Within each Admission PowerPlan there is a Mechanical Prophylaxis section that has appropriate orders and a prechecked order for "Reason for No VTE Mechanical Prophylaxis"

Mechanical Prophylaxis			
<input type="checkbox"/>	↔	<input checked="" type="checkbox"/> Above the Knee Graduated Compression Stocking (C...	T;N, Constant Order, Knee-high
<input type="checkbox"/>	↔	<input checked="" type="checkbox"/> Early and Progressive Mobilization	T;N, Constant Order
<input type="checkbox"/>	↔	<input checked="" type="checkbox"/> Intermittent pneumatic compression devices (Sequen...	T;N, Constant Order
<input checked="" type="checkbox"/>	↔	<input checked="" type="checkbox"/> Reason for No VTE Mechanical Prophylaxis	

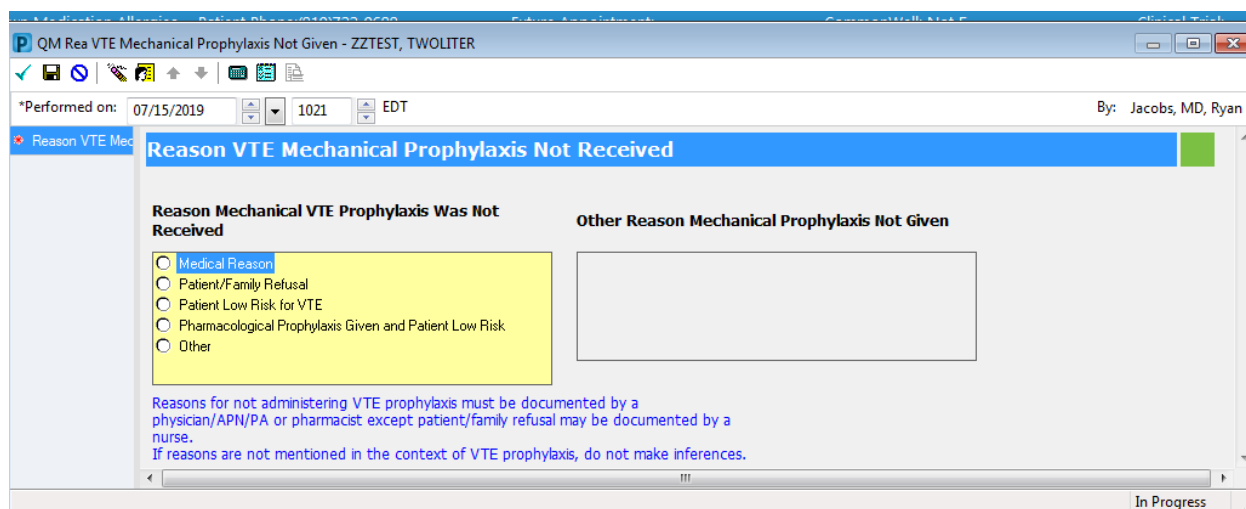
**It is required that "1" of these orders be selected during the ordering process.**

If Reason for No VTE Mechanical (or Pharmacological from above) Prophylaxis is ordered upon signing PowerPlan a Discern alert will be generated.



Click on Document

VTE PowerForm opens to document Reason.



QM Rea VTE Mechanical Prophylaxis Not Given - ZZTEST, TWOLITER

\*Performed on: 07/15/2019 1021 EDT By: Jacobs, MD, Ryan

Reason VTE Mec

### Reason VTE Mechanical Prophylaxis Not Received

**Reason Mechanical VTE Prophylaxis Was Not Received**

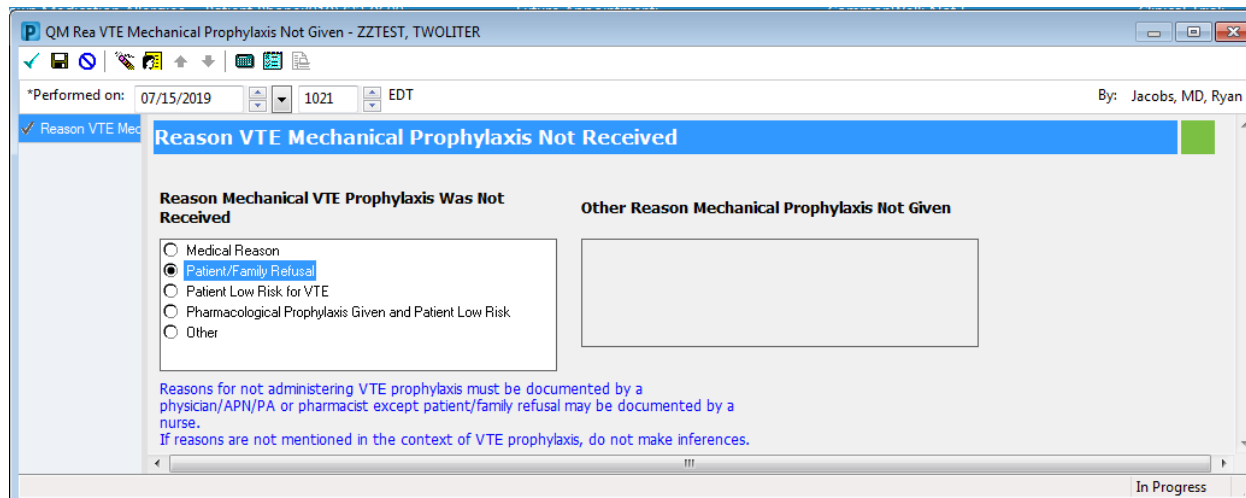
- Medical Reason
- Patient/Family Refusal
- Patient Low Risk for VTE
- Pharmacological Prophylaxis Given and Patient Low Risk
- Other

**Other Reason Mechanical Prophylaxis Not Given**

Reasons for not administering VTE prophylaxis must be documented by a physician/APN/PA or pharmacist except patient/family refusal may be documented by a nurse.  
If reasons are not mentioned in the context of VTE prophylaxis, do not make inferences.

In Progress

Document reason VTE Prophylaxis Not Received and sign form by clicking on green check mark.



QM Rea VTE Mechanical Prophylaxis Not Given - ZZTEST, TWOLITER

\*Performed on: 07/15/2019 1021 EDT By: Jacobs, MD, Ryan

Reason VTE Mec

### Reason VTE Mechanical Prophylaxis Not Received

**Reason Mechanical VTE Prophylaxis Was Not Received**

- Medical Reason
- Patient/Family Refusal
- Patient Low Risk for VTE
- Pharmacological Prophylaxis Given and Patient Low Risk
- Other

**Other Reason Mechanical Prophylaxis Not Given**

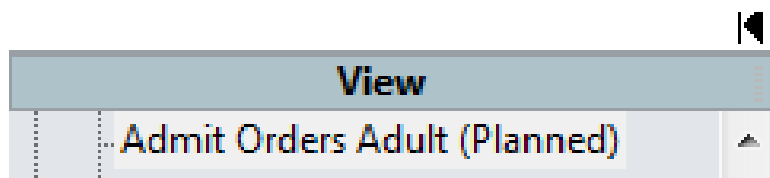
Reasons for not administering VTE prophylaxis must be documented by a physician/APN/PA or pharmacist except patient/family refusal may be documented by a nurse.  
If reasons are not mentioned in the context of VTE prophylaxis, do not make inferences.

In Progress



# CERNER FLASH

Admission PowerPlan is now in a Planned status



## UPDATES TO VTE RULE

**Begin Date = 7/23/2019**

### How VTE Rule Works:

The VTE Rule will evoke for Inpatient Providers only to include: Physicians, Residents, Fellows Nurse Practitioners and Physician Assistants

- Patients that are 18 years of age and older
- Inpatient Encounters Only
- PSO order must be in place for greater than 6 hours
- The Patient is not in a Behavior Health Location
- There is not an order for Pharmacological Prophylaxis (example Heparin, Lovenox) or a reason VTE Pharmacological not given documented.
- There is not an order for Mechanical Prophylaxis or a reason VTE Mechanical not given documented.






# CERNER FLASH

## VTE Prophylaxis Alerts

### Placing an Order

Patient does not have an order for Pharmacological Prophylaxis (example Heparin, Lovenox) or a reason VTE Pharmacological not given documented.

Discern: Open Chart - ZZTEST, CERTVALIDATIONTWO (1 of 2)



### VTE Pharmacological Prophylaxis Alert

VTE Pharmacological Prophylaxis has not been ordered on this patient. Do ONE of the following:

- 1) Click OK to acknowledge the alert, then Order ONE of the following VTE PowerPlans:  
VTE Prophylaxis GEN. VTE Prophylaxis ORTHO.  
VTE Prophylaxis ONCOLOGY , VTE Prophylaxis TRAUMA.  
VTE Prophylaxis STROKE
- 2) Click Document to document the Reason for Not Ordering

Document OK



# CERNER FLASH

Click OK.

Patient does not have an order for Mechanical Prophylaxis or a reason VTE Mechanical not given documented.

Discern: Open Chart - ZZTEST, CERTVALIDATIONTWO (2 of 2)

**VTE Mechanical Prophylaxis Alert**

VTE Mechanical Prophylaxis has not been ordered on this patient. Do one of the following:

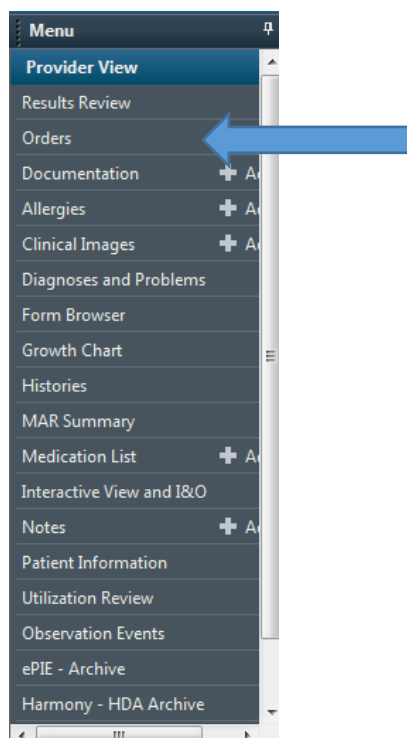
- 1) Click OK to acknowledge the alert, then Order ONE of the following VTE PowerPlans:  
VTE Prophylaxis GEN, VTE Prophylaxis ORTHO,  
VTE Prophylaxis ONCOLOGY, VTE Prophylaxis TRAUMA,  
VTE Prophylaxis STROKE
- 2) Click Document to document the Reason for Not Ordering

Document OK

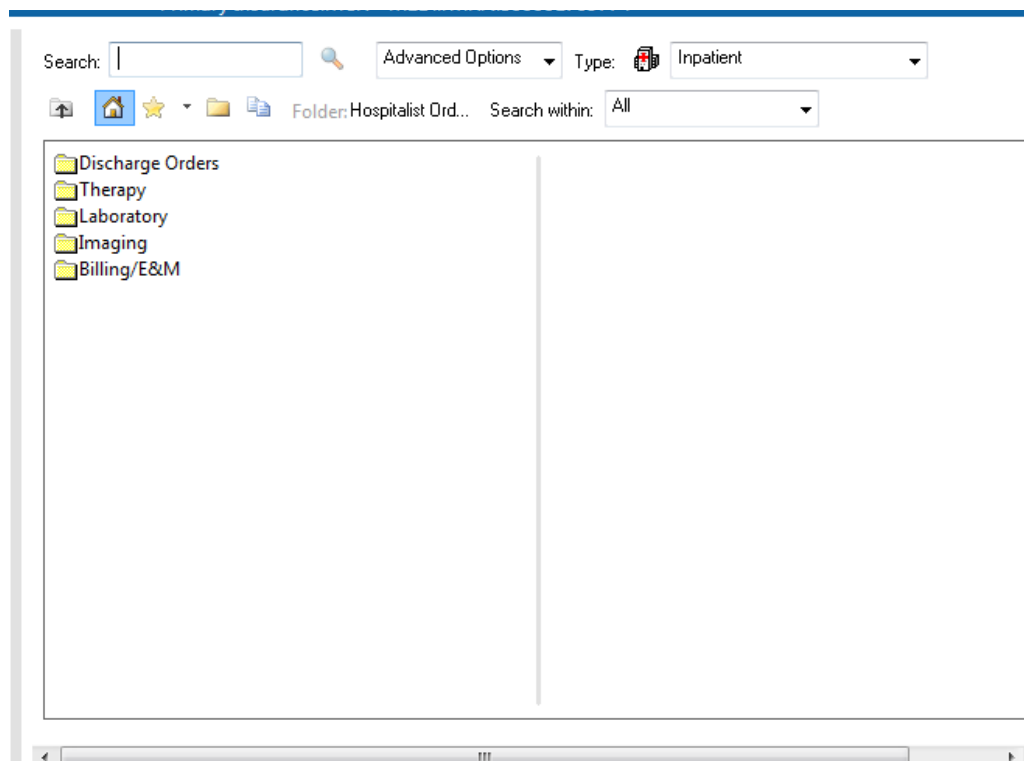
Click OK.

Patient Chart Opens.

From the Menu click on Orders +




Orders Profile window appears




In the Search field type “VTE”


The Following VTE Prophylaxis PowerPlans are available.


VTE Prophylaxis Contradication


 VTE Prophylaxis GEN

VTE Prophylaxis Guidelines

 VTE Prophylaxis ONCOLOGY

 VTE Prophylaxis ORTHO

 VTE Prophylaxis STROKE

 VTE Prophylaxis TRAUMA

VTE Quality Measures

Select the appropriate PowerPlan for your patient.

PowerPlan Opens for Ordering

Orders Medication List

Add to Phase  Check Alerts  Comments Start: Now Duration: None

	Component	Status	Dose ...	Details
VTE Prophylaxis				
<input type="checkbox"/>	VTE Risk Assessment			
Medications				
VTE Prophylaxis				
***QUALITY MEASURE: VENOUS THROMBOEMBOLISM (VTE) PROPHYLAXIS, Must order PHARMACOLOGIC and MECHANICAL. If not, indicate reason.***				
Pharmacologic Prophylaxis				
Consider Heparin Q12H regimen in patients >75 years or < 60 kg				
<input type="checkbox"/>	heparin		5,000 units, SubCutaneous, Injection, Q8H Scheduled	
Recommend Lovenox 30mg Daily for CrCl < 30				
<input type="checkbox"/>	enoxaparin (Lovenox)		40 mg, SubCutaneous, Injection, Daily	
<input checked="" type="checkbox"/>	Reason for No VTE Pharmacological Prophylaxis			
Mechanical Prophylaxis				
<input type="checkbox"/>	Above the Knee Graduated Compression Stocking (C...		T;N, Constant Order, Knee-high	
<input type="checkbox"/>	Early and Progressive Mobilization		T;N, Constant Order	
<input type="checkbox"/>	Intermittent pneumatic compression devices (Sequen...		T;N, Constant Order	

Initiate PowerPlan.

The Next time the patient's chart is opened the Alert will not fire.



# CERNER FLASH

## Documenting Reason VTE Not Given

Patient does not have an order for Pharmacological Prophylaxis (example Heparin, Lovenox) or a reason VTE Pharmacological not given documented.

Discern: Open Chart - ZZTEST, CERTVALIDATIONTWO (1 of 2)

**VTE Pharmacological Prophylaxis Alert**

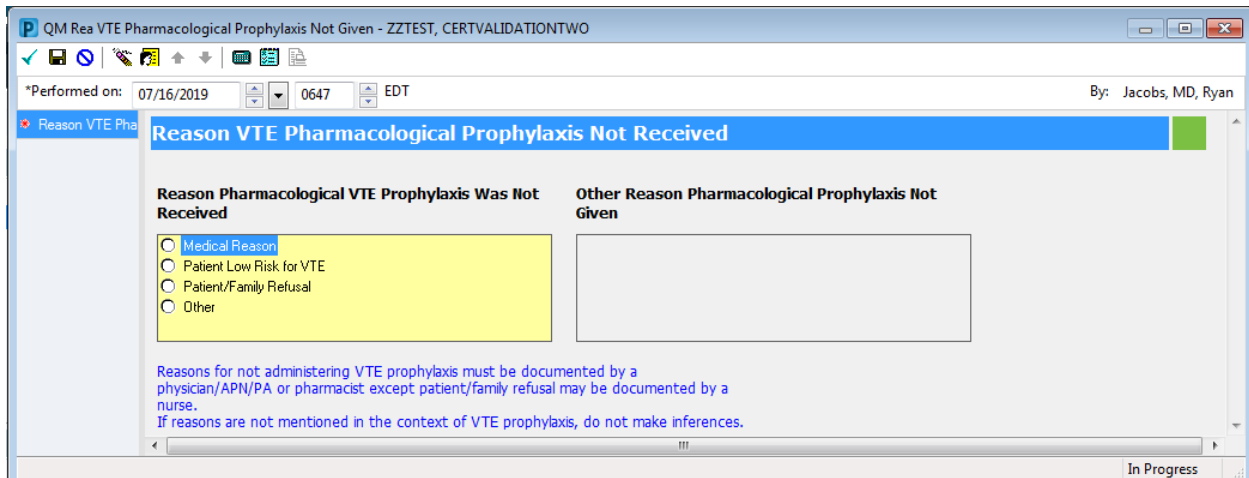
VTE Pharmacological Prophylaxis has not been ordered on this patient. Do ONE of the following:

- 1) Click OK to acknowledge the alert, then Order ONE of the following VTE PowerPlans:  
VTE Prophylaxis GEN. VTE Prophylaxis ORTHO.  
VTE Prophylaxis ONCOLOGY . VTE Prophylaxis TRAUMA.  
VTE Prophylaxysis STROKE
- 2) Click Document to document the Reason for Not Ordering

Document OK

Click Document

PowerForm opens to allow documentation of why VTE Pharmacological Prophylaxis Not Received.



The screenshot shows a web browser window titled "QM Rea VTE Pharmacological Prophylaxis Not Given - ZZTEST, CERTVALIDATIONTWO". The interface includes a toolbar with navigation icons, a header with the date "07/16/2019", time "0647", and location "EDT", and the user name "By: Jacobs, MD, Ryan". The main content area is titled "Reason VTE Pharmacological Prophylaxis Not Received" and is divided into two columns: "Reason Pharmacological VTE Prophylaxis Was Not Received" and "Other Reason Pharmacological Prophylaxis Not Given". The first column contains a list of radio button options: "Medical Reason" (highlighted in yellow), "Patient Low Risk for VTE", "Patient/Family Refusal", and "Other". The second column is an empty text box. Below the options, there is a blue text instruction: "Reasons for not administering VTE prophylaxis must be documented by a physician/APN/PA or pharmacist except patient/family refusal may be documented by a nurse. If reasons are not mentioned in the context of VTE prophylaxis, do not make inferences." The bottom right corner of the window shows "In Progress".

Document correct Reason and sign form by clicking on the green check mark.



# CERNER FLASH

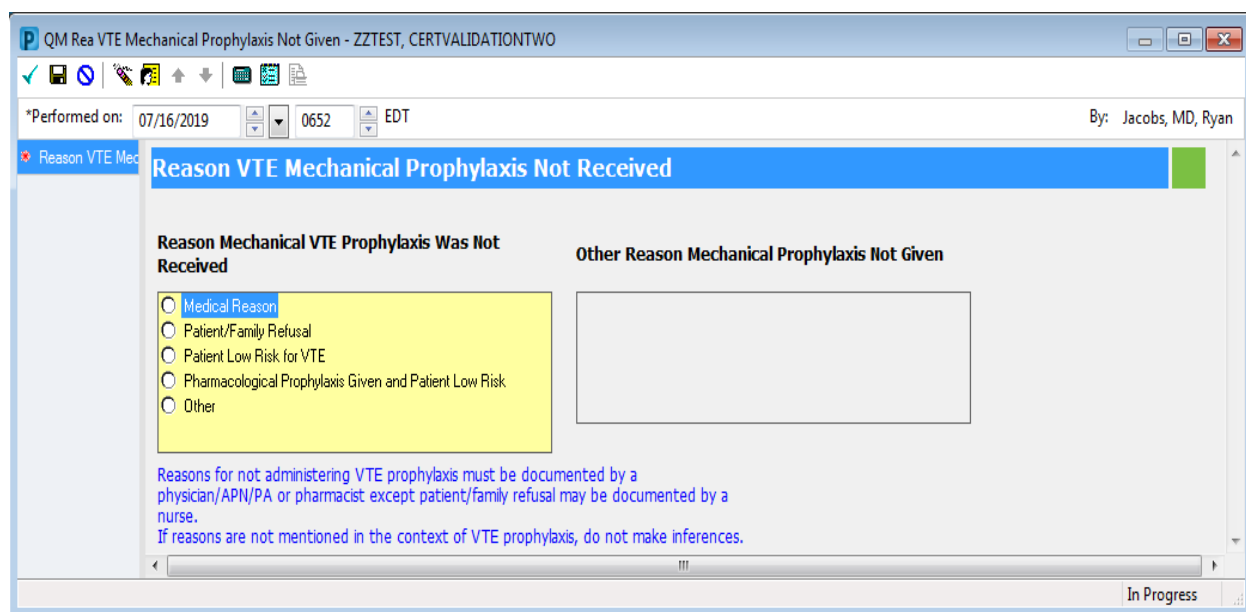
Patient does not have an order for Mechanical Prophylaxis or a reason VTE Mechanical not given documented.

A screenshot of a Cerner alert dialog box. The title bar reads "Discern: Open Chart - ZZTEST, CERTVALIDATIONTWO (2 of 2)". The Cerner logo is in the top left. The main title is "VTE Mechanical Prophylaxis Alert" in red. The text inside the dialog says: "VTE Mechanical Prophylaxis has not been ordered on this patient. Do one of the following: 1) Click OK to acknowledge the alert, then Order ONE of the following VTE PowerPlans: VTE Prophylaxis GEN, VTE Prophylaxis ORTHO, VTE Prophylaxis ONCOLOGY, VTE Prophylaxis TRAUMA, VTE Prophylaxis STROKE 2) Click Document to document the Reason for Not Ordering". At the bottom, there are "Document" and "OK" buttons.

Click Document

PowerForm opens to allow documentation of why VTE Mechanical Prophylaxis Not Received.





QM Rea VTE Mechanical Prophylaxis Not Given - ZZTEST, CERTVALIDATIONTWO

\*Performed on: 07/16/2019 0652 EDT By: Jacobs, MD, Ryan

Reason VTE Mec Reason VTE Mechanical Prophylaxis Not Received

**Reason Mechanical VTE Prophylaxis Was Not Received**

- Medical Reason
- Patient/Family Refusal
- Patient Low Risk for VTE
- Pharmacological Prophylaxis Given and Patient Low Risk
- Other

**Other Reason Mechanical Prophylaxis Not Given**

Reasons for not administering VTE prophylaxis must be documented by a physician/APN/PA or pharmacist except patient/family refusal may be documented by a nurse.  
If reasons are not mentioned in the context of VTE prophylaxis, do not make inferences.

In Progress

Document correct Reason and sign form by clicking on the green check mark.

The Next time the patient's chart is opened the Alert will not fire.