

VENOUS THROMBOEMBOLISM (VTE) PROPHYLAXIS-ADULT

TRU Simulation Hospital

Billie, Rubi-DOB 01/02/1967

Weight (kg) 79.37 Kg

-							
8	Bulleted orders are initiated by default, unless crossed out and	initialed by the physician/prescriber	Boxed orders () require	physician/prescriber check	mark () to be initiated		
1.	ALLERGIES: See Allergy / ADR record						
	VTE RISK ASSESSMENT (see back of page						
	☐ Moderate / High Risk Order pharmaco			S.			
3.			, , ,)			
	No Select ONE option for pharma			VTE prophyloxia			
	No Continue current therapeutic aYes Order mechanical prophylaxis				hvlaxis.		
4.	LABORATORY	(,,			,		
	☑ CBC and SCr at baseline and day #5 (i	f not already ordered), DAI	LY INR for warfarin p	atients for 3 days the	en reassess.		
5.	SPECIAL CONSIDERATIONS						
	 If a patient is receiving continuous epidu dalteparin, enoxaparin, dabigatran, rivare with an Anesthesiologist. Avoid concurre enoxaparin. Consult Anesthesiologist or pharmacological VTE prophylaxis. Do not Do not give pharmacological VTE prophylaxis. 	oxaban, apixaban, edoxaba nt ASA doses above 81 mg site-specific protocol regard t restart enoxaparin prophy	n, warfarin, clopidogr PO DAILY in patients ling timing for epidura laxis for at least 4 hou	el, prasugrel, or ticag receiving heparin, d l catheter removal in urs after catheter rem	relor until discusse alteparin, or patients receiving		
	heparin 5,000 units subcut every 12 lenoxaparin 40 mg subcut DAILY untilenoxaparin 30 mg subcut every 12 hoo Other: Intermittent pneumatic compression * (Choice when pharmacological prophylaxis control	discharge burs until discharge (Majoro *OR** TED stockings			ver extremity fractures		
7.)	SURGICAL PATIENTS						
'b	SURGICAL PATIENTS heparin 5,000 units subcut every 12 henoxaparin 40 mg subcut DAILY, Other: Intermittent pneumatic compression ***	ours, start post-op date: _	yesterday	time: 1600	until discharge		
	 enoxaparin 40 mg subcut DAILY, 	start post-op date: _	•	time:	until discharge		
	Untermittent programatic compression **	start post-op date: _		time:	until discharge		
	(Choice when pharmacological prophylaxis contr. * Consider total treatment duration of 28 days. * Consider total treatment duration of 35 days.	aindicated, or option to combine s for patients with major ab	with medications in high-i	isk patients)			
3.	ORTHOPEDIC PATIENTS						
	Knee replacement duration of prophylaxis = 14 days						
	☐ Hip replacement duration of prophylaxis☐ enoxaparin 40 mg subcut DAILY,	= 35 days start post-op date:		time:			
	☐ warfarin mg PO × 1 dose,	start post-op date:		time:	, then		
	□ DAILY warfarin order (target INR =) ** OR ** ortho	pedic warfarin nomo	gram			
	☐ Other:	OR** ☐ TED stockings					
	(Choice when pharmacological prophylaxis contra		vith medications in high-ri	sk patients)			
Date	(dd/mm/yyyy) Time	Prescriber's Signature		Printed Name or	College ID#		
	Day 10' peston 1600	101		0123	4		

1. VTE RISK ASSESSMENT

a) Risk Stratification

Patient Group	Low Risk (any one of the listed criteria)	Moderate or High Risk (any one of the listed criteria)
Critical Care	■ N/A	All patients admitted to critical care
Medical	No reduction in mobility compared to usual state	 Significantly reduced mobility (e.g. bed rest) for at least 2 days Ongoing reduced mobility (e.g. BR privileges) compared to their usual state AND at least 1 VTE risk factor
Surgical	 No reduction in mobility compared to usual state Day surgery patient to be discharged within 24 hours of an elective surgical or invasive procedure Patient undergoing a procedure with a total anesthetic and surgical time of less than 60 minutes AND no VTE risk factors 	 Significantly reduced mobility (e.g. bed rest) for at least 2 days Patient with at least 1 VTE risk factor Patient undergoing a procedure with a total anesthetic and surgical time of at least 60 minutes Acute surgical admission with an inflammatory or intra-abdominal condition

b) VTE Risk Factors

- Age 40 years or over
- Obesity (BMI greater than 30 kg/m²)
- Surgery
- Major orthopedic trauma with lower extremity injury
- · Immobility or lower extremity paresis
- Central venous catheterization
- Sepsis or severe acute infection
- Heart disease
- Respiratory pathology
- Inflammatory condition (e.g. IBD)
- · Rheumatological disease
- Nephrotic syndrome
- Human immunodeficiency virus (HIV)

- Antiphospholipid syndrome
- Previous documented VTE
- First degree relative with VTE
- Known Thrombophilia
- Active cancer or cancer treatment
- Myeloproliferative disorders
- Varicose veins with phlebitis
- Pregnancy and post-partum period
- Estrogen-containing oral contraception
- Menopausal hormone therapy (MHT)
- Selective estrogen receptor modulators
- Erythropoiesis-stimulating agents (e.g. darbopoeitin, erythropoeitin)

2. CONTRAINDICATIONS TO PHARMACOLOGICAL PROPHYLAXIS

Active bleeding of clinical significance requiring intervention; high risk of serious bleeding or bleeding into a critical site
(e.g. intracranial, intraspinal, pericardial, intraocular, retroperitoneal, intra-articular); intra-abdominal solid organ injuries
managed non-operatively; eGFR less than 30 mL/min for rivaroxaban; eGFR less than 10 mL/min for enoxaparin; platelet
count less than 50 × 10⁹/L, or known major bleeding disorder or acquired coagulopathy, or history of heparin-induced
thrombocytopenia (HIT): relevant for heparin, dalteparin, or enoxaparin (consider Hematology consult). For inpatients with
eGFR less than 30 mL/min receiving VTE prophylaxis longer than 10 days consider using UFH.

3. CONTRAINDICATIONS TO MECHANICAL PROPHYLAXIS

 Peripheral vascular disease with absent pedal pulses; severe peripheral neuropathy; skin breakdown, ulcers, gangrene, cellulitis, or dermatitis; skin grafting within last 3 months; allergy to stocking or compression cuff materials; unable to size or apply properly due to deformity, recent surgery or trauma.

4. MECHANICAL PROPHYLAXIS INSTRUCTIONS

• If mechanical prophylaxis is ordered, apply to lower limb(s) continuously until pharmacological prophylaxis starts or until discharge. Interrupt for skin care, assessments, toileting and ambulation only.

5. DOSING ADJUSTMENTS FOR PATIENTS WITH EXTREMES IN WEIGHT AND RENAL FUNCTION

Weight range	eGFR 30 mL/min or above (enoxaparin dose)	eGFR 10-29 mL/min (enoxaparin dose)	eGFR below 10 mL/min (heparin must be used)
40 kg or less	30 mg subcut once DAILY	30 mg subcut once DAILY	2,500 units subcut every 12 hours
41 to 100 kg	No dosage change	30 mg subcut once DAILY	No dosage change
101 to 140 kg	40 mg subcut every 12 hours	40 mg subcut once DAILY	5,000 units subcut every 8 hours
141 kg or more	60 mg subcut every 12 hours	60 mg subcut once DAILY	5,000 units subcut every 8 hours

6. OTHER CONSIDERATIONS

- Provide interim prophylaxis with heparin 5,000 units subcut Q12H in patients at moderate / high risk of VTE if surgery is delayed, or if the patient is a candidate for neuraxial blockade (consult Anesthesiologist).
- Reassess and re-write orders for appropriate VTE prophylaxis at time of transfer.
- Provide and document that patient has received educational material and a discharge prescription (if required).

^{*}This order set does not address "other" patient populations (e.g. psychiatry, obstetrics, comfort care). Individual VTE and bleeding risk should be assessed, and pharmacological or mechanical prophylaxis ordered as appropriate.