

MANAGEMENT OF ACUTE DVT/PE CLINICAL PROTOCOL

- This is an evidence-based protocol and should be adhered to whenever possible. However, it should not supersede clinical judgement and some patients and/or clinical scenarios may warrant protocols deviations. Clinician documentation of the rationale for the deviation(s) is helpful and encouraged.
- Thrombosis and Hemostasis Stewardship service
 - Available via TigerConnect or phone (505-810-8302) daily **0700-1700**, including weekends and holidays

Purpose:

- Risk stratify patients with acute VTE
- Delineate initial anticoagulation strategies
- Facilitate expert consultation (e.g., H.E.L.P. Team) for patients who may benefit from advanced interventions
- Determine treatment setting (inpatient versus outpatient) to optimize patient care and resource utilization

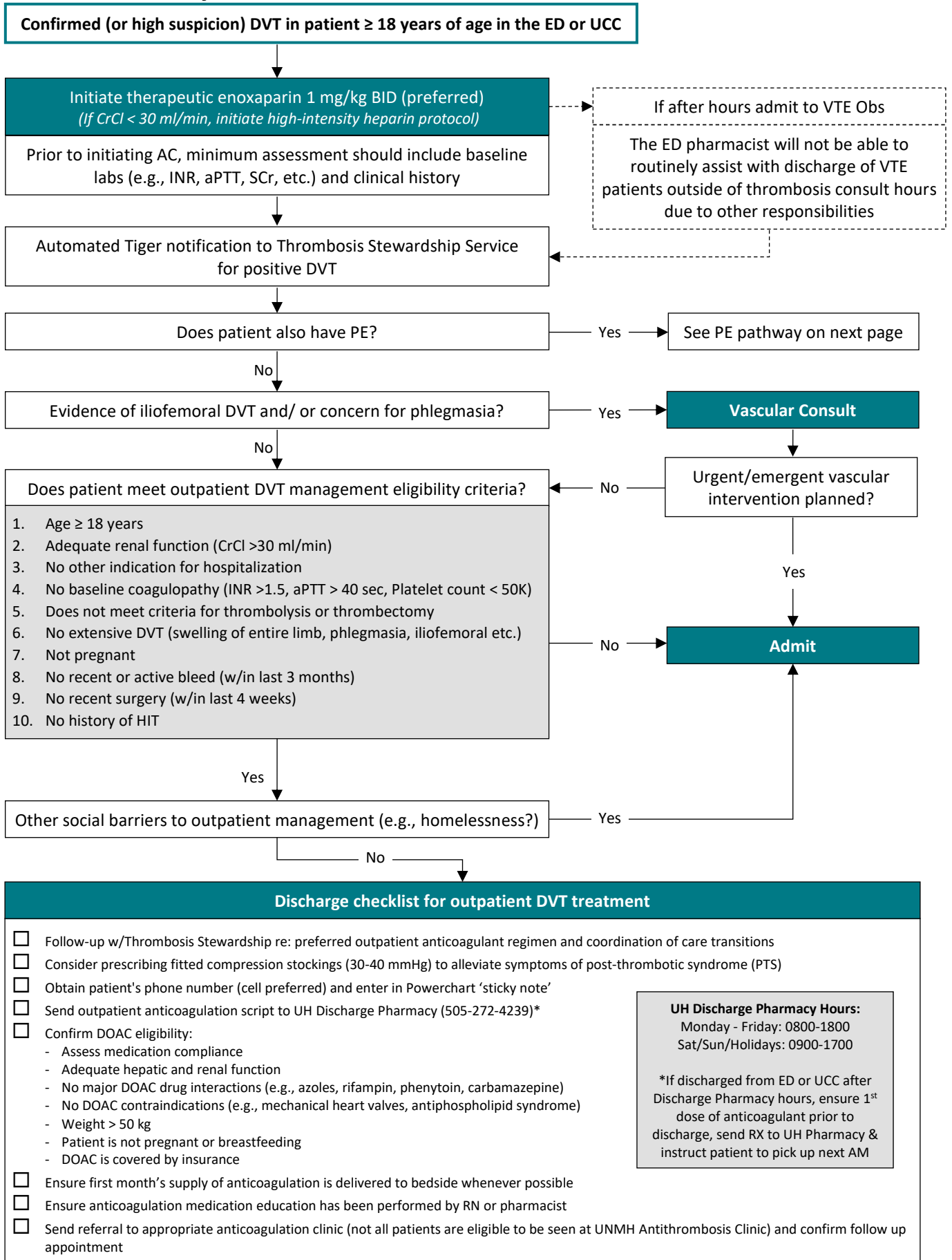
Scope:

- As of March 2023, a **pilot acute VTE consult service is available 0700-1700 Monday-Friday** for patients under the care of the **Emergency Department (ED) or Urgent Care Clinic (UCC)**
- A Tiger alert will be sent out to the Acute DVT and/or Acute PE Alert teams for any patient diagnosed with an acute VTE during these pilot consult hours and in these clinical areas.
- Actions specific to the UCC:
 - After 1700, patients in the UCC with acute VTE should be sent to the ED for management
 - Any patients in the UCC that report or demonstrate signs and/or symptoms of PE (e.g., chest pain, shortness of breath, etc.) should be sent to the ED in case a chest CT is needed
- **For all other acute DVT or PE diagnosed outside of the pilot** consult hours (before 0700 or after 1700) and/or clinical areas (ED and UCC), providers will need to contact the Thrombosis Stewardship Service, H.E.L.P. team and/or vascular service as indicated. (See treatment algorithms below)

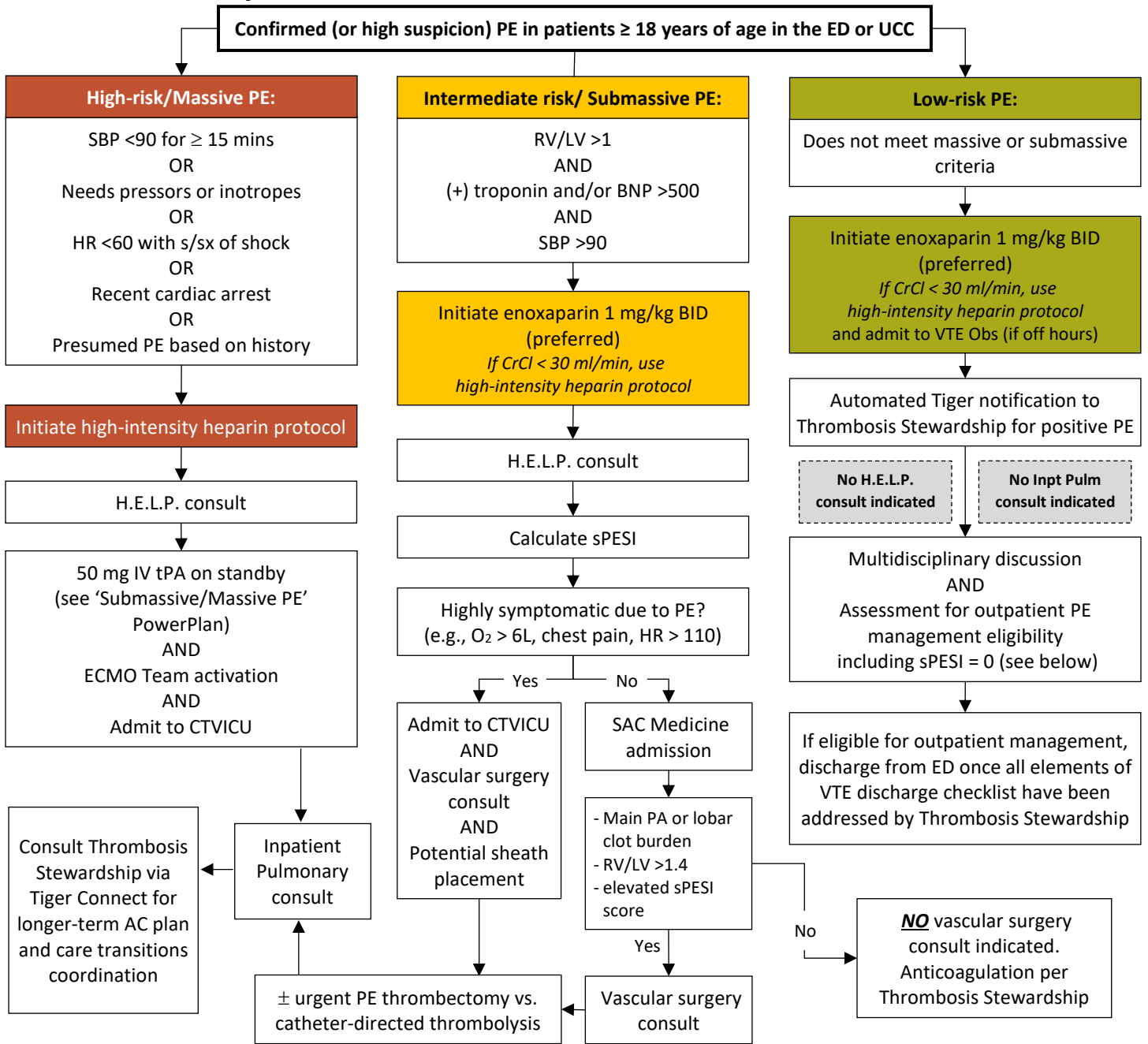
Prioritizing outpatient management of low risk DVT and PE

- For patients with low risk DVT and/or PE, VTE guidelines recommend outpatient management over hospitalization whenever possible.^{1,2}
- VTE guidelines and core elements of anticoagulation stewardship emphasize the criticality of access to medications, ability to access outpatient follow-up care and optimized transitions of care for all acute VTE patients that are to be managed in the outpatient setting.^{1,2,3}
- Additionally, it is beneficial to manage low risk VTE patients in the outpatient setting whenever possible, as this improves patient flow through the ED and increases bed availability.
- To be considered for outpatient management of VTE, patients must meet eligibility criteria (see below).
 - Patients not meeting all criteria warrant multidisciplinary discussion and may need to be admitted.
- For low risk VTE patients discharging outside of Thrombosis and Hemostasis consult hours, the provider is to work with the UNMH discharge pharmacy to help determine medication insurance coverage and provide initial home supply of anticoagulant(s) whenever possible.
- Care transitions coordinators and case managers should help arrange follow-up appointments with PCPs and anticoagulation clinics prior to the patient leaving the ED or UCC.

Acute DVT Pathway



Acute PE Pathway



Discharge checklist for outpatient PE treatment	
<input type="checkbox"/>	Massive and submassive PE: Ensure pulmonary input has been obtained for appropriate post-hospitalization follow up ⁴
<input type="checkbox"/>	Follow-up w/Thrombosis Stewardship re: preferred outpatient anticoagulant regimen and coordination of care transitions
<input type="checkbox"/>	Obtain patient's phone number (cell preferred) and enter in Powerchart 'sticky note'
<input type="checkbox"/>	Send outpatient anticoagulation script to UH Discharge Pharmacy (505-272-4239)*
<input type="checkbox"/>	Confirm DOAC eligibility (see DVT checklist above)
<input type="checkbox"/>	Ensure first month's supply of anticoagulation is delivered to bedside whenever possible
<input type="checkbox"/>	Ensure anticoagulation medication education has been performed by RN or pharmacist
<input type="checkbox"/>	Send referral to appropriate anticoagulation clinic (not all patients are eligible to be seen at UNMH Antithrombosis Clinic) and confirm follow-up appointment
1. Stevens S, et al. Antithrombotic Therapy for VTE Disease. CHEST 2021. https://doi.org/10.1016/j.chest.2021.07.055 2. Konstantinides SV, et al. 2019 ESC Guidelines for management of acute PE. EHJ 2020. https://doi.org/10.1093/eurheartj/ehz4205 3. Core Elements of Anticoagulation Stewardship. https://acforum.org/web/education-stewardship.php 4. Boon G et al. Essential aspects of the follow-up after acute PE. RPTH 2020. https://doi.org/10.1002%2Frth2.12404	

SIMPLIFIED PE SEVERITY INDEX (PESI)	PT
Age > 80 years	1
History of cancer	1
Chronic cardiopulmonary disease	1
Pulse ≥ 110 beats/min	1
Systolic blood pressure <100mmHg	1
Arterial oxyhemoglobin saturation level <90%	1
Score of ≥1 = high risk of 30-day mortality Score of 0 = low risk of 30-day mortality	
UH Discharge Pharmacy Hours: Monday - Friday: 0800-1800 Sat/Sun/Holidays: 0900-1700	
*If discharged from ED or UCC after Discharge Pharmacy hours, ensure 1 st dose of anticoagulant prior to discharge, send RX to UH Pharmacy & instruct patient to pick up next AM	