

VTE Prophylaxis Guidelines

<https://unchcs.intranet.unchealthcare.org/dept/Pharmacy/System%20PT/VTE%20Prophylaxis%20in%20Adult%20and%20Pediatric%20Patients.pdf>

Figure 1. Padua Risk Assessment Model

| 1-point Risk Factors: |
|--|
| <input type="checkbox"/> Age ≥ 70 years <input type="checkbox"/> Heart and/or respiratory failure (CHF, intubation, asthma exacerbation, or COPD) <input type="checkbox"/> Acute myocardial infarction or ischemic stroke <input type="checkbox"/> Acute infection and/or rheumatologic disorder <input type="checkbox"/> Obesity (BMI ≥ 30 kg/m ²) <input type="checkbox"/> Ongoing hormonal treatment (contraceptives or hormone replacement therapy) |
| 2-point Risk Factors: |
| <input type="checkbox"/> Recent trauma and/or surgery (within past month) |
| 3-point Risk Factors |
| <input type="checkbox"/> Active cancer (metastases and/or received chemotherapy or radiation within past 6 months) <input type="checkbox"/> History of PE or DVT <input type="checkbox"/> Immobile for > 72 hours (bedrest with bathroom privileges only, either due to patient limitations or physician orders) <input type="checkbox"/> Known thrombophilia (defects in antithrombin, protein C or S, factor V Leiden, G20210A prothrombin mutation, antiphospholipid syndrome) |
| Total Risk Score: |

| Total Risk Score*: | Risk Category: | Prophylaxis Regimen: |
|--|----------------|---------------------------|
| < 4 | Low | Promote ambulation |
| ≥ 4 | High | Pharmacologic prophylaxis |
| High Bleed Risk Patient: Platelets $< 50 \times 10^9/L$, active bleeding, scheduled high bleed risk surgery, planned epidural placement or removal, planned lumbar puncture, intracranial or spinal bleeding within last 48 hours | | SCDs only |

*Reported incidence of VTE without prophylaxis with Padua score $< 4 = 0.3\%$. Reported incidence of VTE without prophylaxis with Padua score $\geq 4 = 11\%$, which is reduced to 2.2% with VTE prophylaxis.
SCDs = Sequential Compression Devices

| Weight Category: | CrCl ≥ 30 mL/min | CrCl < 30 mL/min | Dialysis or CRRT |
|--|------------------------|--|-------------------------------|
| Total body weight < 55 kg, regardless of BMI | Enoxaparin 30 mg daily | Heparin 5000 units BID | Heparin 5000 units BID |
| BMI < 40 kg/m ² | Enoxaparin 40 mg daily | Heparin 5000 units BID or TID [#] | Heparin 5000 units BID or TID |
| BMI ≥ 40 kg/m ² | Enoxaparin 40 mg BID | Heparin 7500 units TID | Heparin 7500 units TID |

[#]Enoxaparin 30 mg daily may be used for patients with CrCl 20-30 mL/min