VTE Prophylaxis Algorithm for Hospitalized Medicine Patients

Visit www.hopkinsmedicine.org/armstrong/bloodclots for more information on venous thromboembolism prevention.
**Major VTE Risk Factor**

*Contraindications*

**Yes (0)**

- **Yes (2)**
  - **TEDs/SCDs**
  - Use mechanical prophylaxis until contraindication no longer present. Review patient status daily
  - **No (2)**
  - **High Risk w/ Contraindications**

**Yes (3)**

- **TEDs/SCDs**
  - Use mechanical prophylaxis until contraindication no longer present. Review patient status daily
  - **No (3)**
  - **High Risk W/ Systemic Anticoagulation**

**No (1)**

- **Yes (2)**
  - **TEDs/SCDs**
  - Use mechanical prophylaxis until contraindication no longer present. Review patient status daily
  - **No (2)**
  - **Mod Risk w/o contraindications**

- **Yes (3)**
  - **TEDs/SCDs**
  - Use mechanical prophylaxis until contraindication no longer present. Review patient status daily
  - **No (3)**
  - **Mod Risk W/ Systemic Anticoagulation**

**No (6)**

- **Yes (2)**
  - **TEDs/SCDs**
  - Use mechanical prophylaxis until contraindication no longer present. Review patient status daily
  - **No (2)**
  - **Mod Risk w/ Systemic Anticoagulation**

**Yes (0)**

- **Yes (1)**
  - **Heparin 5000 units sc q8h**
  - **(0,1)**
  - **High Risk w/o contraindications**

**Yes (2)**

- **Heparin 5000 units sc q12h**
  - Consider adding TED/SCDs
  - **(6,1)**
  - **Mod Risk w/o contraindications**

**Yes (3)**

- **Heparin 5000 units sc q12h**
  - Consider adding TED/SCDs
  - **(6,3)**
  - **Mod Risk W/ Systemic Anticoagulation**

**High Risk w/ Contraindications**

**High Risk W/ Systemic Anticoagulation**
Major Risk Factors
- Age > 60
- Cancer
- Previous VTE
- Acute CVA w/ paresis (< 3 mos.)
- Thrombophilia
- Decompensated NYHA Class III/IV heart failure
- Respiratory failure (ventilator-dependent)
- Acute infection/sepsis
- Pregnancy/post-partum

Contraindications
- High risk of bleeding
- Active bleeding
- Systemic anticoagulation
- INR ≥ 1.5 or aPTT ratio ≥ 1.3
- Platelet count < 50,000

Key
0 - Major Risk Factor
1 - No contraindications
2 - Contraindications
3 - Systemic Anticoagulation
6 - No Risk Factors