

ED OBSERVATION UNIT:
DVT Prophylaxis Protocol
NYC H+H KINGS COUNTY HOSPITAL CENTER

INCLUSION CRITERIA
<ul style="list-style-type: none"> • All adult patients placed on observation

APPENDIX A. THROMBOSIS RISK ASSESSMENT¹

Choose all that apply.

<i>Risk Factors: 1 point each</i>	<i>Risk Factors: 2 points each</i>	<i>Risk Factors: 3 points each</i>
<input type="checkbox"/> Age ≥ 70 <input type="checkbox"/> Heart and/or respiratory failure <input type="checkbox"/> Acute MI and/or ischemic stroke <input type="checkbox"/> Acute infection and/or rheumatologic disorder <input type="checkbox"/> Obesity (BMI ≥ 30) <input type="checkbox"/> Ongoing Hormonal treatment	<input type="checkbox"/> Recent (≤1 month) trauma and/o surgery	<input type="checkbox"/> Active cancer <input type="checkbox"/> Previous VTE* <input type="checkbox"/> Reduced mobility <input type="checkbox"/> Known thrombophilic condition
Subtotal:	Subtotal:	Subtotal:
Total:		

*excludes superficial vein thrombosis

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APPENDIX B. Bleed RISK ASSESSMENT²

Please note: all bleeding contraindications are RELATIVE, not absolute, except as noted

Contraindications to Pharmacological Prophylaxis	Contraindications to Mechanical Prophylaxis
<input type="checkbox"/> Bleeding in 3 months before admission <input type="checkbox"/> Active gastroduodenal ulcer <input type="checkbox"/> Platelet count < 50,000/mm <input type="checkbox"/> Hepatic failure (INR >1.5) <input type="checkbox"/> At high risk for bleeding according to clinical judgment <input type="checkbox"/> Receiving therapeutic anticoagulation	<input type="checkbox"/> Severe peripheral vascular disease <input type="checkbox"/> Acute DVT <input type="checkbox"/> Severe lower extremity ulcers <input type="checkbox"/> Heart failure

Recommendations
<input type="checkbox"/> Score ≥ 4 (appendix A) and not at increased risk of bleeding (appendix B): Pharmacologic Prophylaxis <ul style="list-style-type: none"> <input type="checkbox"/> Weight-based LMWH according to hospital guidelines if no other contraindication* <input type="checkbox"/> Score ≥ 4 (appendix A) and at increased risk of bleeding (appendix B): Mechanical Prophylaxis <ul style="list-style-type: none"> <input type="checkbox"/> Intermittent pneumatic compression (IPC) <input type="checkbox"/> Score ≤ 3 (appendix A): No prophylaxis, encourage ambulation

*if history of heparin-induced thrombocytopenia, avoid LMWH or heparin products, consider fondaparinux

Sources

1. Kahn SR, Lim W, Dunn AS, et al. Prevention of VTE in nonsurgical patients: Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. *Chest*. 2012;141(2 Suppl):e195S - e226S.

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2. Decousus H, Tapson VF, Bergmann J-F, et al. Factors at admission associated with bleeding risk in medical patients: findings from the IMPROVE investigators. *Chest*. 2011;139(1):69-79.

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