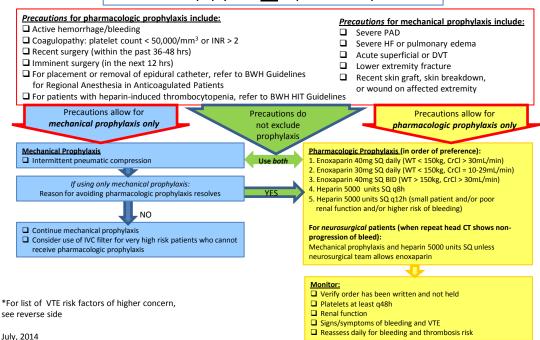
BTS VTE Prophylaxis Guideline for Trauma Patients

Consider VTE prophylaxis in ALL hospitalized trauma patients*



Risk Assessment for VTE

Venous thromboembolisms are a leading cause of fatal complications from traumatic injuries. They also result in prolonged hospitalizations and recovery. VTE prophylaxis must consider the risk of a VTE against the risk of bleeding. Timely and ongoing VTE risk assessment and implementation of appropriate prophylaxis modalities are priorities for patient safety. The ultimate goal is return to full ambulation as soon as possible. Risk stratification for VTE requires assessment of both the patient's individual and procedure-specific risk factors. While all inpatient trauma patients should be considered at risk, recognition should be made of those at high potential for VTE. The risk has been seen to increase with the number of risks identified. Below are some variables that have been found to heighten the risk of VTE.

Does the patient meet one of the following:
☐ Multiple trauma (<1 month)
☐ Hip, pelvis, or leg fracture (<1 month)
□ Acute spinal cord injury (<1 month)
☐ TBI or spinal injury
■ Elective major lower extremity arthroplasty
☐ History of VTE
☐ Hypercoaguable state
☐ Major surgery (intra-abdominal surgery and all others >45
minutes)
AND/OR
Does the patient meet a combination of the following:
☐ Age >70
☐ Immobility or bed rest
■ Major venous injury/repair, varicose veins
☐ Presents in shock
☐ Central line or femoral catheter
□ Active malignancy
□ Pregnant or ≤ 1 month post partum
☐ Obesity (BMI > 30)

These guidelines have been assimilated from literature, research, hospital guidelines, and consensus. The types of injury and invasive procedures vary in risk of bleeding. Thus, this is meant to support but never replace clinicians' professional decision making based on the patient's unique presentation.

Gould, M., Garcia, D., Wren, S. et al. Prevention of VTE in Non Orthopedic Surgical Patients. Chest. 141 (2): 2275-2775. February 2012 Supplement. DeMuro, J. & Hanna, A. Prophylaxis of Deep Vein Thrombosis in Trauma Patients: A Review. Journal of blood disorders and Transfusion. 2013, 4:151.