VENOUS THROMBOEMBOLISM (VTE) PROPHYLAXIS IN THE HOSPITALIZED MEDICAL PATIENT

DVT-FREE Consensus Panel Guidelines and Recommendations ALL PATIENTS SHOULD BE SCREENED AND CONSIDERED FOR VTE PROPHYLAXIS TABLE 1 RISK FACTOR ASSESSMENT VTE RISK FACTORS² PATIENT SHOULD BE Does the patient have reduced □ Age > 40 years (VTF risk increases with REASSESSED DAILY FOR mobility **AND** is at least one of the following advancing age) NO **DEVELOPMENT OF** Intensive care unit (ICU) admission VTE RISK FACTORS Prior history of VTE (DVT or PE) VTE risk factors present? **DURING HOSPITALIZATION** Obesity Ischemic (non-hemorrhagic) stroke [See Table 1] Heart failure Chronic lung disease Respiratory failure Pneumonia Serious infection Malignancy Thrombophilia (hematological disorders that promote thrombosis) Active collagen-vascular disorder Inflammatory disorder (e.g., inflammatory bowel disease, etc.) Central venous line/catheter Varicose veins PROPHYLAXIS MANAGEMENT This is a partial list of common risk factors. Clinicians are sed to consider other risk factors or conditions that may predispose to VTE. **VTE RISK FACTORS** DEVELOP DURING YES PROPHYLAXIS FOR **HOSPITALIZATION** VTE INDICATED TABLE 2 **EXCLUSION CRITERIA** POSSIBLE EXCLUSION **MECHANICAL MEASURES** IN DICATED (i.e. INTERMITTENT Are possible exclusion criteria for CRITERIA FOR pharmacologic (i.e. anticoagulant) **VTE PROPHYLAXIS** prophylaxis present? PNEUMATIC COMPRESSION) [See Table 2] Hypersensitivity to UFH or LMWH Uncontrolled hypertension ¹Includes all in-hospital settings in which acutely ill medical patients are managed, among them - but not restricted to -(creatinine clearance <30ml/minute)³ the emergency department, observation units, intensive care unit, medical wards, and long-term care facilities. ²For more discussion about VTE risk factors in medical patients, Heparin-induced thrombocytopenia please consult the American College of Chest Physicians (ACCP) Year 2001 Guidelines. Recent intraocular or intracranial surgery⁵ Spinal tap or epidural anesthesia within ³UFH (unfractionated heparin) preferred for VTE prophylaxis in patients with renal failure, since clinical studies evaluating safety **PROPHYLAXIS GUIDELINES** and efficacy of enoxaparin in VTE prophylaxis excluded patients This is a list of possible exclusion criteria. Accordingly, cliniwith a creatinine clearance of < 30 ml/minute. ENOXAPARIN 40 mg SUBCUTANEOUSLY ONCE DAILY (PREFERRED PHARMACOLOGIC STRATEGY FOR VTE PROPHYLAXIS) TO BE ADMINISTERED UNTIL PATIENT'S CLINICAL STATUS WARRANTS DISCONTINUATION cians are advised to consider other risk factors or conditions that, in the individual patient, may be relative or absolute Studies are available demonstrating comparable efficacy contraindications for pharmacological prophylaxis. between enoxaparin 40 mg subQ once daily and UFH administered q 8 hours. There are no head-to-head VTE prophylaxis tri-als comparing UFH administered on a q 8-hour vs. q 12-hour basis. Although some institutions and clinicians administer UFH on a q 12-hour basis for VTE prophylaxis in medically ill patients, this may be less effective that the q 8-hour regimen. Therefore, clinicians are advised to use UFH on a q 8-hour basis. Further studies are warranted to clarify the optimal dosing regimen for UFH. Clinical judgment and individualization of UNFRACTIONATED HEPARIN (UFH) 5000 IU patient circumstances are crucial when making decisions SUBCUTANEOUSLY EVERY regarding prevention of VTE in medically ill patients 8 HOURS 3,4 Studies evaluating the risk of hemorrhage associated with TO BE ADMINISTERED UNTIL PATIENT'S prophylaxis in patients with intracranial surgery are conflicting. ACCP guidelines recommend that, pending further information. CLINICAL STATUS WARRANTS DISCONTINUATION caution should be exercised with routine, early use of LMWH in craniotomy patients Clinical trials support use of pharmacological prophylaxis for about 7 to 12 days, although a shorter or longer duration of prophylaxis may be appropriate based on clinical factors or length of ⁶Length of pharmacologic prophylaxis should be evaluated and continuously reassessed according to persistence of VTE risk factors. In some cases pharmacologic prophylaxis may need to

hospitalization.6

supervised home care, etc.).

be continued in the post-hospitalization phase in other clinical environments (i.e., long-term care facility, skilled nursing facility,