

**Supplemental Content 1.** List of diagnoses with a potential contraindication to receive pharmacological venous thromboembolism prophylaxis or indication for therapeutic anticoagulation\*

Arteriovenous malformation, surgery for
Embolus, pulmonary
GI Vascular insufficiency
Grafts, removal of infected vascular
Neoplasm, neurologic
Neoplasm-cranial, surgery for (excluding transphenoidal)
Neoplasm-spinal cord surgery or other related procedures
Neurologic surgery, other
Subarachnoid hemorrhage/intracranial aneurysm
Subarachnoid hemorrhage/intracranial aneurysm, surgery for
Thrombosis, vascular (deep vein)
Transphenoidal surgery
Ulcer disease, peptic
Abdomen only trauma
Abdomen only trauma, surgery for
Abdomen/extremity trauma
Abdomen/extremity trauma, surgery for
Abdomen/face trauma
Abdomen/face trauma, surgery for
Abdomen/multiple trauma
Abdomen/multiple trauma, surgery for
Abdomen/pelvis trauma, surgery for
Abscess/infection-cranial, surgery for
Anastomosis, vascular
Aneurysm, abdominal aortic
Aneurysm, abdominal aortic; with dissection
Aneurysm, abdominal aortic; with rupture
Aneurysm, dissecting aortic
Aneurysm, thoracic aortic
Aneurysm, thoracic aortic; with dissection
Aneurysm, thoracic aortic; with rupture
Aneurysm/pseudoaneurysm, other
Aneurysms, repair of other (except ventricular)
Biopsy, brain
Bleeding, GI from esophageal varices/portal hypertension
Bleeding, GI-location unknown
Bleeding, lower GI
Bleeding, upper GI
Bleeding-lower GI, surgery for
Bleeding-other GI, surgery for
Bleeding-upper GI, surgery for

Burr hole placement
CABG alone, coronary artery bypass grafting
CVA, cerebrovascular accident/stroke
Chest/abdomen trauma
Chest/abdomen trauma, surgery for
Chest/extremity trauma
Chest/extremity trauma, surgery for
Chest/face trauma
Chest/face trauma, surgery for
Chest/multiple trauma
Chest/multiple trauma, surgery for
Chest/pelvis trauma
Chest/pelvis trauma, surgery for
Chest/spinal trauma
Chest/spinal trauma, surgery for
Chest/thorax only trauma
Chest/thorax only trauma, surgery for
Coagulopathy
Complications of prev. peripheral vasc. surgery, surgery for (i.e.ligation of bleeder, exploration and evacuation of hematoma, debridement, pseudoaneurysms, clots, fistula, etc.)
Complications of previous GI surgery; surgery for (anastomotic leak, bleeding, abscess, infection, dehiscence, etc.)
Complications of previous spinal cord surgery, surgery for
Cranioplasty and complications from previous craniotomies
Head (CNS) only trauma
Head (CNS) only trauma, surgery for
Head/abdomen trauma
Head/abdomen trauma, surgery for
Head/chest trauma
Head/chest trauma, surgery for
Head/extremity trauma
Head/extremity trauma, surgery for
Head/face trauma
Head/face trauma, surgery for
Head/multiple trauma
Head/multiple trauma, surgery for
Head/pelvis trauma
Head/pelvis trauma, surgery for
Head/spinal trauma
Head/spinal trauma, surgery for
Hematoma, epidural
Hematoma, epidural, surgery for
Hematoma, subdural
Hematoma, subdural, surgery for

Hematomas
Hemorrhage (for gastrointestinal bleeding GI-see GI system) (for trauma see Trauma)
Hemorrhage, intra/retroperitoneal
Hemorrhage, postpartum (female only)
Hemorrhage/hematoma, intracranial
Hemorrhage/hematoma-intracranial, surgery for
Hemorrhage/hemoptysis, pulmonary
Hemothorax
Pelvis/extremity trauma
Pelvis/extremity trauma, surgery for
Pelvis/face trauma
Pelvis/hip only trauma, surgery for
Pelvis/multiple trauma, surgery for
Pelvis/spinal trauma
Pericardial effusion/tamponade
Renal bleeding
Spinal cord only trauma, surgery for
Spinal cord surgery, other
Stereotactic procedure
Subarachnoid hemorrhage/arteriovenous malformation
Tamponade, pericardial

*\*Footnote:* The primary diagnoses were reviewed independently by two ICU physicians (HTS, DJN). The two ICU physicians provided their judgment to establish a conservative list of primary diagnoses in order to exclude patients that may have a contraindication for pharmacological VTE prophylaxis based on bleeding risk and an indication for therapeutic anticoagulation. Discrepancies were resolved by discussion.