**Patient Characteristics:**

- Pulse <110
- Systolic Blood Pressure >100
- Oxygen saturations >92% on air
- Respiratory Rate <30
- No requirement for iv analgesia
- No intercurrent illness
- Adult (18 years and above)
- Be able to understand the treatment instructions or have home support or carer to understand instructions and carry them out (must have access to the telephone)
- Appreciate the importance of full compliance with treatment
- Not perceived as having a bleeding risk e.g. liver disease, active peptic ulcer disease
- No contraindications to warfarin or low molecular weight heparin (LMWH)
- Have the ability to attend hospital for treatment

**Absence of thrombotic reasons for admission e.g.:**

- Large central pulmonary embolism on CTPA or CTPA evidence of right heart strain
- Acute massive venous thrombosis causing haemodynamic instability (hypotension, history of collapse)
- Positive troponin

**Absence of bleeding risks e.g.:**

- Patients with active bleeding
- Known heparin allergy or heparin associated thrombocytopenia
- Patients at significant risk of bleeding:
  - Active peptic ulceration
  - Liver disease (PT>2s beyond normal range)
  - Uncontrolled hypertension (diastolic >110mmHg, Systolic >200mmHg)
  - Angiodysplasia
  - Recent eye or CNS surgery or recent haemorrhagic stroke (within 1 month)
  - Thrombocytopenia (platelet count below 100 x 10⁹ /l)
  - Renal Failure eGFR <30 ml/min/1.73 m²

**Table S1. Eligibility Criteria**