



SUP-ICU trial

Inclusion criteria

- ✓ **Acute (unplanned) admission to the ICU**
- ✓ **Aged 18 years or above**
- ✓ **One or more of the following risk factors:**
 - Shock (continuous infusion with vasopressor or inotrope, mean arterial blood pressure < 70 mmHg, systolic blood pressure < 90 mmHg or lactate > 4 mmol/l)
 - Acute or chronic intermittent or continuous renal replacement therapy
 - Invasive mechanical ventilation which is expected to last > 24 hours. When in doubt of the forecast, the patient should be enrolled
 - Coagulopathy (platelets < 50 x 10⁹/l, INR > 1.5 or PT > 20 seconds)
 - Ongoing treatment (not prophylaxis) with anticoagulant medication
 - History of coagulopathy (platelets < 50 x 10⁹/l or INR > 1.5 or PT > 20 seconds within 6 months of this hospital admission)
 - History of chronic liver disease (history of portal hypertension, variceal bleeding or hepatic encephalopathy or cirrhosis proven by biopsy, CT scan or ultrasound)

Exclusion criteria

- ✗ **Contraindications to PPI (including intolerance of PPI and treatment with atazanavir (HIV medication))**
- ✗ **Current daily treatment with PPI and/or H2RA**
- ✗ **GI bleeding of any origin during current hospital admission**
- ✗ **Diagnosed with peptic ulcer during current hospital admission**
- ✗ **Organ transplant during current hospital admission**
- ✗ **Withdrawal from active therapy or brain death**
- ✗ **Fertile woman with positive urine human chorionic gonadotropin (hCG) or plasma-hCG**
- ✗ **Consent according to national regulations not obtainable**