

MLT SCREENING PLATELET TRANSFUSION ORDERS

ORDER RECEIVED

SCREEN ORDER IF:
Non-Bleeding Adult
&

Transfusion location is Inpatient Unit or Operating Room

Review most recent Plt count.
Review patient clinical scenario.

DO NOT SCREEN ORDER IF:
Acute Bleeding or Massive Hemorrhage Protocol
&
Transfusion location is
Emergency Department or Outpatient Clinic including
Cancer Care, Medical Day Unit, Dialysis

Plt less than
10 x10⁹/L

- Hypoproliferative thrombocytopenia.
- Non-immune thrombocytopenia.

Plt less than
20 x10⁹/L

- Procedures not associated with significant blood loss, including percutaneous procedures (e.g., non-subclavian central line placement, lumbar puncture, paracentesis).

Plt less than
30 x10⁹/L

- High risk procedures in patients with liver disease/ cirrhosis.

Plt less than
50 x10⁹/L

- Patients with acute thrombosis & high risk of thrombus progression, where therapeutic anticoagulation cannot be stopped. Consult thrombosis specialist.
- Procedures with expected blood loss greater than 500 mL.
- Major non-neuraxial surgery.

Plt less than
50-80 x10⁹/L

- Neuraxial anesthesia.

If order aligns with indication recommendations, transfusion dose is 1 bag.
Pre-Procedure:
Transfuse immediately before procedure.
Check platelet count & re-assess before starting procedure.

Plt less than
100 x10⁹/L

- Neuraxial surgery.
- Head trauma.
- CNS hemorrhage.

Any Plt count.

- Platelet dysfunction & significant bleeding e.g., post cardiopulmonary bypass.
- Exception: Transfusing platelets for spontaneous intracranial hemorrhage in patients not requiring surgical management, on antiplatelet agents, & with platelet count greater than 100 x10⁹/L leads to increased morbidity.

Immune thrombocytopenia (immune thrombocytopenic purpura, heparin-induced thrombocytopenia, post-transfusion purpura, thrombotic thrombocytopenic purpura).

Case specific, for life-threatening bleeding.
Consult Hematology to order.

For all other orders & for orders of more than 1 bag:

- Inform prescriber order is outside hospital recommendations, reconsider order.
- If order is not reconciled, follow up with the Transfusion Medicine Physician.