Cardiac Surgery: Operating Room Transfusion Algorithm

Microvascular bleeding by observation of surgical field

Coagulation tests and thromboelastogram (TEG) performed

- Fibrinogen <144 mg/dL
  - Cryoprecipitate transfusion

- Point-of-care: Prothrombin time (PT) >16.6 seconds and/or Activated partial thromboplastin time (aPTT) >57 seconds
  - Plasma transfusion

- Platelet count <102,000/mm³ and/or TEG maximum amplitude <48 mm
  - Platelet transfusion

- Activated clotting time (ACT) >baseline
  - Administer protamine

- All normal
  - Surgical re-exploration of chest