

NEOMED MMScA Program

Clinical Keywords

Trauma Rotation

- **Trauma and burns**
- **Blood Transfusion**
 - Products:
 - Allogeneic and autologous transfusion
 - Packed red blood cells
 - Irradiated packed red blood cells
 - Leukocyte reduced packed red blood cells
 - Washed packed red blood cells
 - Deglycerolized packed red blood cells
 - Packed red blood cells with nutrient added solution
 - Platelets
 - Apheresis platelets
 - Fresh frozen plasma
 - Cryoprecipitate
 - Fibrinogen concentrate
 - Synthetic antithrombin III
 - Vitamin K
 - DDAVP
 - Preservatives in blood products (CPDA, AS-3)
 - Whole blood
 - Surgical blood conservation (cell saver, cardiotomy suction, isovolumic hemodilution)
 - Protocols:
 - Type and screen
 - Type and crossmatch
 - Antigen typing
 - Blood filters
 - Massive transfusion protocol
 - Emergency transfusion
 - Transfusion protocol for patients with antibodies
 - Calculations
 - Maximum allowable blood loss
 - ASA task force guidelines
 - Reactions, Complications, and Management:
 - Primary and secondary immune responses
 - Hemolytic transfusion reaction
 - Febrile nonhemolytic transfusion reaction
 - Post-transfusion purpura
 - Allergic and anaphylactic reactions
 - TRALI (transfusion related acute lung injury)
 - Uncommon antibody reactions
 - Transfusion associated circulatory overload (TACO)

- Graft vs. host disease
- Non-immune reactions (hypothermia, fluid overload, electrolyte and acid-base disturbances)