Unique Plan Description: Massive Transfusion Protocol (MTP) Non Trauma and Trauma
Plan Selection Display: Massive Transfusion Protocol (MTP) Non Trauma and Trauma
PlanType: Medical
Version: 19
Begin Effective Date:
End Effective Date: Current
Available at: ***EMMC***
MERCY HOSPITAL
NL MAINE COAST HOSPITAL
Plan Comment: Added NOTEs and Prothrombin Complex Concentrate, Desmopressin, aPTT, INTEM, VBG, Ionized Calcium, Lactate, Blood Gas Arterial, Blood Gas Arterial (ABG), Whole Blood Chemistries-MTP, aPTT, EXTEM, FIBTEM, INTEM, VBG, Ionized Calcium, Lactate orders. Removed NOTEs and Provider Communication order_RK

Massive Transfusion Protocol (MTP) Non Trauma and Trauma
Medications

Link to Policy Manager - MCN Solutions(NOTE)*
TRAUMA PATIENTS ONLY Tranexamic Acid is not indicated for management of non trauma patients (NOTE)*
Weight Less Than 60 kg AND within 3 hours of injury:(NOTE)*

☐ Tranexamic Acid 1.5gm/65mL NS (IVS) (IVS)*
tranexamic acid
1.5 gm, Soln, IVPB, ONCE, STAT, 1 Doses/Times, Infuse Over: 20 Minutes
Comments: MTP use ONLY
Sodium Chloride 0.9%(Intermittent)
= 50 mL

Weight 60 kg & greater AND within 3 hours of injury:(NOTE)*

☐ Tranexamic Acid 2gm/70mL NS (IVS) (IVS)*
tranexamic acid
2 gm, Soln, IVPB, ONCE, STAT, 1 Doses/Times, Infuse Over: 20 Minutes
Comments: MTP use ONLY
Sodium Chloride 0.9%(Intermittent)
= 50 mL

Avoid Prothrombin Complex Concentrate in MTP; routine empiric use is not recommended. Use only for warfarin reversal if INR greater than 2. Call Pharmacy to expedite delivery.(NOTE)*

☐ prothrombin complex
1,500 Units, Soln, IV, ONCE, STAT
Comments: Total volume = 60 mL, Max infusion rate = 6 mL/min

Use for suspected platelet dysfunction (e.g., antiplatelet therapy or uremia)(NOTE)*

☐ DDAVP
0.3 mcg/kg, Soln, IV, ONCE, STAT
Comments: Mix in NS 50 mL, Max infusion rate = 2.5 mL/min

☐ vitamin K
10 mg, Soln, IVPB, ONCE, STAT, Infuse Over: 20 Minutes
Comments: Mix in 50 mL Sodium Chloride 0.9% IV. Rapid infusion of Phytonadione IV may increase the risk of an adverse reaction and should be avoided, MTP use ONLY.

Salvage Therapy Only: Best if pH 7.2 or greater, Temp 35C or greater, Fibrinogen greater than 100 mg/dL, Plt Ct greater than 50,000, and ICal greater than 0.9 mmol/L. May repeat Factor VIIa in 30 - 60 minutes if no clinical response.(NOTE)*

☐ NovoSeven
40 mcg/kg, Soln, IV Push, ONCE, STAT
Comments: MTP use ONLY

Fibrinogen less than 150 mg/dL and ongoing bleeding. Call Pharmacy to expedite delivery.(NOTE)*

☐ fibrinogen, Concentrate from Human Plasma
50 mg/kg, Soln, IVPB, ONCE, STAT, Rate: 999 mL/hr
Comments: Pharmacist to round dose to the nearest vial size and add to Viaflex bag for infusion. Actual mg content of each vial may vary. MTP use ONLY.

Hypocalcemia Treatment

☑ calcium chloride
1 gm, Soln, IVPB, Every 15 Minute Interval, PRN, Low Ionized Calcium Level, 6 hr, Infuse Over: 15 Minutes

Comments: For Ionized Calcium (ICal) Levels 1 - 1.12 mmol/L with hemodynamic instability and/or cardiac dysfunction, Central line administration preferred, MTP use ONLY

☑ calcium chloride
2 gm, Soln, IVPB, Every 30 Minute Interval, PRN, Low Ionized Calcium Level, 6 hr, Infuse Over: 30 Minutes
Comments: For Ionized Calcium (ICal) Levels 0.9 - 0.99 mmol/L with hemodynamic instability and/or cardiac dysfunction, Central line administration preferred, MTP use ONLY

☑ calcium chloride
3 gm, Soln, IVPB, Every 45 Minute Interval, PRN, Low Ionized Calcium Level, 6 hr, Infuse Over: 45 Minutes
Comments: For Ionized Calcium (ICal) Levels less than 0.9 mmol/L with hemodynamic instability and/or cardiac dysfunction, Central line administration preferred, MTP use ONLY

Laboratory

☑ Type and Screen
BLOOD, Stat

☑ PT (Protime) INR
BLOOD, Stat

☑ PTT
BLOOD, Stat

☑ Fibrinogen Level
BLOOD, Stat

☑ CBC without Differential
BLOOD, Stat

☑ Blood Gas Arterial
BLOOD, Stat

☑ Blood Gases Arterial (ABG)
BLOOD, Stat

☑ Whole Blood Chemistries-MTP
BLOOD, Stat

☑ EXTEM
BLOOD, Stat

☑ FIBTEM
BLOOD, Stat, Start: T;N+1

For EMMC ONLY - Add INTEM Labs if heparin effect suspected(NOTE)*

☐ INTEM
BLOOD, Stat

The following labs (VBG, Ionized Calcium and Lactate) are for Mercy use(NOTE)*

☐ Blood Gases Venous (VBG)
BLOOD, Stat

☐ Blood Gas Venous
BLOOD, Stat

☐ Calcium Level Ionized (ICAL)
BLOOD, Stat

☐ Lactic Acid (Venous)
BLOOD, Stat

☐ **+30 Minutes** Blood Gas Arterial
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☐ **+30 Minutes** Blood Gases Arterial (ABG)
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☐ **+30 Minutes** Whole Blood Chemistries-MTP
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☑ **+1 Hours** PT (Protime) INR
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☑ **+1 Hours** PTT
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☐ **+1 Hours** EXTEM
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☐ **+1 Hours** FIBTEM
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

For EMMC ONLY - Add INTEM Labs if heparin effect suspected(NOTE)*

☐ **+1 Hours** INTEM
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☑ **+1 Hours** Fibrinogen Level
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☑ **+1 Hours** CBC without Differential
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☑ **+1 Hours** Blood Gas Arterial
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☑ **+1 Hours** Blood Gases Arterial (ABG)
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☑ **+1 Hours** Whole Blood Chemistries-MTP
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

The following labs +1 Hour labs (VBG, Ionized Calcium and Lactate) are for Mercy use(NOTE)*

☐ **+1 Hours** Blood Gases Venous (VBG)
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☐ **+1 Hours** Blood Gas Venous
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☐ **+1 Hours** Calcium Level Ionized (ICAL)
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☐ **+1 Hours** Lactic Acid (Venous)
BLOOD, Timed Study, Every 1 Hour Interval, 10 Doses/Times, If additional labs are needed after Stand Down, consult Care Team
Comments: If additional labs are needed after Stand Down, consult Care Team

☑ **+3 Hours** MTP Standdown Reminder
ONCE, Discontinue Massive Transfusion Protocol (MTP) Non Trauma and Trauma PowerPlan once MTP is complete

☑ **+4 Hours** MTP Standdown Second Reminder
Every 1 Hour Interval, 6 Doses/Times, Discontinue Massive Transfusion Protocol (MTP) Non Trauma and Trauma PowerPlan once MTP is complete

Non Categorized

Providers must exercise independent clinical judgment when using order sets.(NOTE)*

***Report Legend:**
DEF - This order sentence is the default for the selected order
GOAL - This component is a goal
IND - This component is an indicator
INT - This component is an intervention
IVS - This component is an IV Set
NOTE - This component is a note
Rx - This component is a prescription
SUB - This component is a subphase