Massive Transfusion (MT) Algorithm for Trauma Cases

**Step 1**
Fluid Resuscitation

**Immediate Transfusion required?**
- **Yes:** Go to Step 2
- **No:** Transfuse per SFGH Guidelines

**Step 2**
2-4 Units Emergency RBC
Type O pos for male patients, O neg for females of any age

**MT Policy (MTP) Activation?**
- **Yes:** Go to Step 3
- **No:** Transfuse to Hb >8, INR <2, PLT >50K

**Step 3**
MT Pack (Type-Specific)
OR: 4 Units FFP, 6 Units RBC
All other sites: 4 FFP, 4 RBC

**Continue with MT Policy?**
- **Yes:** Go to Step 4
  Consider Factor rVIIa for coagulopathic bleeding, if major vessel bleeding controlled, pH ≥7.2 PLT >50K, Fibr >100, AND no other contraindications present (see rVIIa order form)
- **No:** - Deactivate MTP
  - Transfuse to Hb >8, INR <2, PLT >50K

**Step 4**
MT Pack (Type-Specific)
In addition order*:
1 Unit PLT (if PLT <100K)
2 Pools CRYO (if FIBR <100)

**Continue with MTP?** - As Step 3 above

**Labs:**
1) **Blood Bank:** immediately send full 6 mL pink top tube for T&S, 2) **Clin Lab:**
STAT CBC, PT/PTT, Fibrinogen, ABGs, ionized Calcium, basic metabolic panel - Repeat q 30-60min during MT, or as per Attending orders.

*MT Packs are automatically released upon MT activation, - PLT, CRYO must be ordered first