



*10 Units of PTLs = 2 Units of single donor Apheresis PTLs or 2 Units of buffy coat pool PTLs

Early Coagulation Support (ECS) Protocol

Organizative requirements: 4 Units of Universal PRBC and 4 gr of Fibrinogen concentrate must be immediately available in the Trauma Bay.
ROTEM/TEG results must be available within 40' since patient's admission

Verify Tranex has been administered



Start transfusion of universal PRBCs (4 Units)



Administer 2gr of fibrinogen concentrate



- **Order 4 PBRc Units**
- **Order 4 Plasma Units ** (not to be thawed unless required)**



Check results of the Basal ROTEM/TEG
Collect blood for control ROTEM/TEG (max 60' post fibrinogen)



Still
bleeding?

NO

- **Keep plasma unthawed**
- **Monitor coagulation**
- **Follow the Algorithm**

YES

- **Ask for plasma to be thawed**
- **Order PLT to be prepared**
- **Monitor coagulation. Every 120' repeat:
ROTEM/TEG + PLT, Fib, INR, PTT**

Are
ROTEM/TEG
available?

YES

**Follow the Goal-directed
Algorithm (Table 2)**

NO

Follow the **Standard Algorithm**: Transfuse Plasma aiming at a Plasma/PRBCs ratio $\geq 1:1.5$;
keep PTL > 100.000 . Monitor Fibrinogen and PTL more frequently to guide treatment.

** 1 Plasma Unit = 250 mls of FFP or 200 mls of ; if Apheris plasma is used 1 Unit = 500 mls = 2
Units of FFP