TEG Tracing

Coagulation
- Plts & FFP first; Cryoprecipitate
- Kinetics of clot development

Fibrinolysis
- Angle
- LY30
- LY

R
- Reaction time, first significant clot formation
- hyper- or hypocoagulable

K
- Achievement of certain clot Firmness (20mm)

MA
- Maximum amplitude - maximum strength of clot
- Plts
- FFP

Percent lysis 30 minutes after MA
- TXA
UAB Trauma Division TEG algorithm

HYPOcoagulable

Initially will give plts and FFP; Consider giving Cryoprecipitate and ddAVP

HYPERcoagulable

4-9min

R

<9min

<4min

\( \alpha \)

>66°

direct thrombin inhibitor?

\( \alpha \)

MA

\(<55^\circ\)

Plt’s

FFP

ASA?

MA

Normal

>75mm

\(<55^\circ\)

Plt’s

ASA?

MA

>75mm

FFP

ASA?

MA

Normal

>75mm

Plt’s

ASA?

MA

Normal

>75mm

Heparin

ASA?

Fibrinolysis

Low normal to low MA

LY30

TXA

High normal to high MA

Heparin

LY30

>3%
UAB Trauma Division TEG Algorithm for Bleeding

Initially will give plt's and FFP; Consider giving Cryoprecipitate and ddAVP

- If low fibrinogen level:
  - α < 54°
  - MA < 55mm
  - Low fibrinogen level

- If MA > 9 min:
  - R 4-9 min

- If MA < 75mm:
  - Plts FFP
    - Factor (Enzymatic) and platelet hypocoagulability
    - 55-75mm
    - FFP
      - Factor hypocoagulability (Enzymatic)
      - Platelet hypocoagulability

- If MA > 75mm:
  - Plts
    - Platelet hypocoagulability
    - Normal

Low normal to low MA

Fibrinolysis

- LY30 > 3%
  - TXA

High normal to high MA

- Heparin > 3%
  - LY30

Secondary fibrinolysis