

# Hemophilia

\* If patient has an inhibitor, consult Heme

**TREAT ASAP!!! DO NOT WAIT FOR LABS**

Factor Levels  
Normal 50-150%  
Mild > 5 to < 40%  
Mod 1 to 5%  
Severe < 1%

## Hemophilia A

**Factor VIII** – goal = keep level > 50%

Each IU ↑ increases plasma levels 2%

Replacement:

- **50 IU/kg for major bleeding**
- **25 IU/kg for mod bleeding, hemarthrosis**
- Ice, pressure, topical adjuncts, DDAVP for minor eg epistaxis, skin bleeding w/o sig blood loss



## Adjuncts

Cryoprecipitate

- Contains VW factor and factor VIII
- Dose = 1 bag/10kg of body weight

Tranexamic acid (TXA) 25 mg/kg PO or IV

Aminocaproic acid 75-100 mg/kg PO or IV

DDAVP 0.3 mcg/kg IV, SQ, IN; raises Factor VIII 2-4x

Bypassing products if inhibitor\*

- rFVIIa 90-120 mcg/kg (But incr risk thrombosis)
- FEIBA 50-100 units/kg

## Hemophilia B

**Factor IX** – goal = keep level > 50%

Each IU ↑ plasma levels 1%

Replacement:

- **100 IU/kg for major bleeding**
- **50 IU/kg for mod bleeding, hemarthrosis**
- Ice, pressure, topical adjuncts for minor eg epistaxis, skin bleeding w/o sig blood loss



## Adjuncts

FFP – contains factor IX, use only if specific factor not available

- Watch for volume overload!
- Dose = 15-20mL/kg

Tranexamic acid (TXA) 25 mg/kg PO or IV

Aminocaproic acid 75-100 mg/kg PO or IV

Bypassing products if inhibitor\*

- rFVIIa 90-120 mcg/kg (But incr risk thrombosis)
- FEIBA 50-100 units/kg