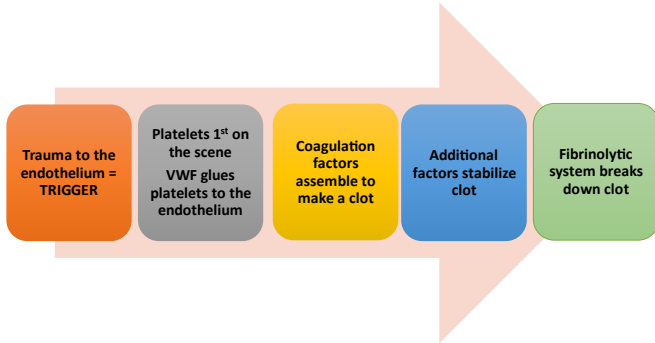




Dr. Natasha Rupani - Congenital Coag – Bleeding History, VWD, Hemophilia Hemostasis

Simplified



The bleeding history is the most important TEST of hemostasis, using a validated bleeding assessment tool (BAT).

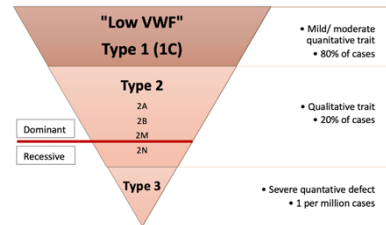
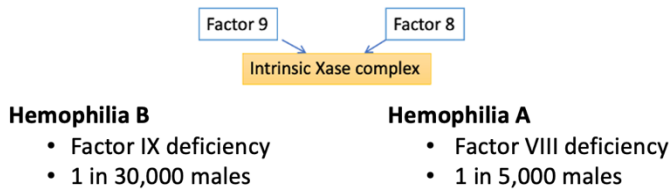
A normal PT and aPTT does not rule out a bleeding disorder.

Von Willebrand Disease

Diagnosis: 1) Bleeding Symptoms, 2) Family History, 3) Laboratory Results

Bleeding Symptoms		Treatment
Mucocutaneous <ul style="list-style-type: none"> Heavy menstrual bleeding Epistaxis Bruising Excessive bleeding from minor wounds GI bleeding Oral cavity/post-dental procedure Post-operative Post-partum 	Musculoskeletal (Type 2N, 3) <ul style="list-style-type: none"> Hemarthrosis Soft tissue, muscle hematomas 	Call Hematology/Transfusion Medicine – LOOK for a WALLET CARD! Principle of treatment: Increase or replace VWF <ul style="list-style-type: none"> DDAVP (Desmopressin) VWF:FVIII Concentrate (Humate P, Wilate) Adjunctive anti-fibrinolytic agent (TXA)

Hemophilias:



Bleeding Symptoms	Treatment
<ul style="list-style-type: none"> Musculoskeletal bleeding <ul style="list-style-type: none"> Hemarthrosis Intra-muscular hematoma Mouth bleeding, epistaxis Intracranial bleeding Bleeding with trauma, procedures, surgery Heavy menstrual bleeding (symptomatic carriers) 	Call Hematology/Transfusion Medicine – LOOK for a WALLET CARD! Principle of treatment: Replace deficient factor <ul style="list-style-type: none"> Factor VIII: Xyntha, Kovaltry, Nuwiq, Adynovate, Jivi, Factor IX: Benefix, Rebinyn DDAVP (Desmopressin) – mild hemophilia (FVIII>10%) Non-factor therapies: Emicizumab <ul style="list-style-type: none"> Avoid PCC – risk of thrombosis Inhibitor present - rVIIa No inhibitor – FVIII concentrate Adjunctive anti-fibrinolytic agent (TXA)

Resources

- "[Principles of Management of Urgent Bleeding in Hemophilia](#)" - developed by Dr. Jerry Teitel
- [Blood Easy: Coagulation Simplified](#) – developed by ORBCoN
- [Illustrated Review of Bleeding Assessment Tools and Coagulation tests](#) (Elbaz, Sholzberg)
- [World Federation of Hemophilia Guidelines - 3rd Ed.](#)

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