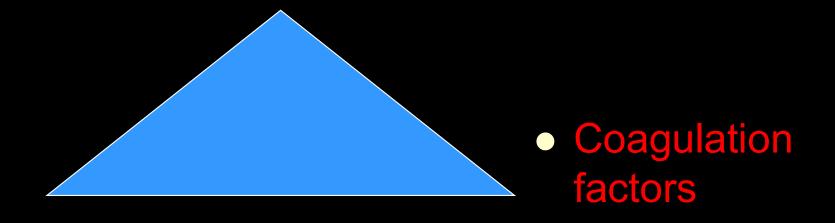


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Components of Haemostasis

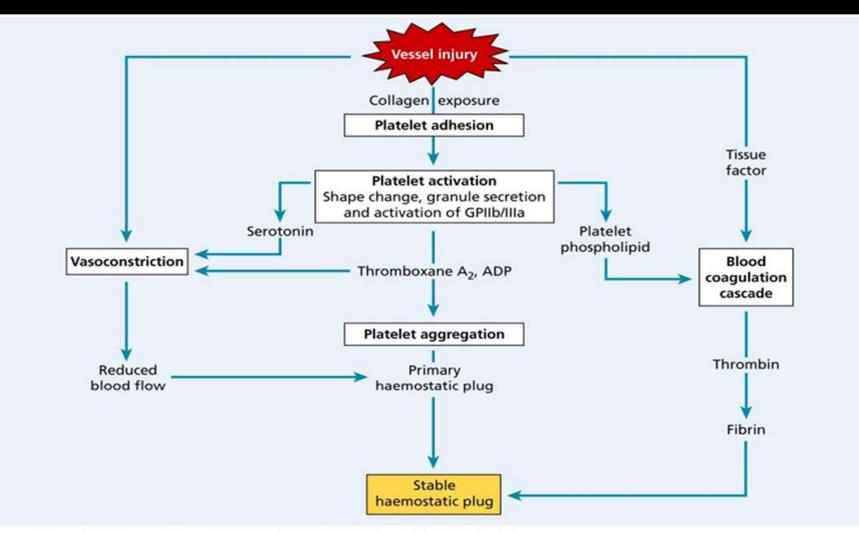
Blood vessel wall



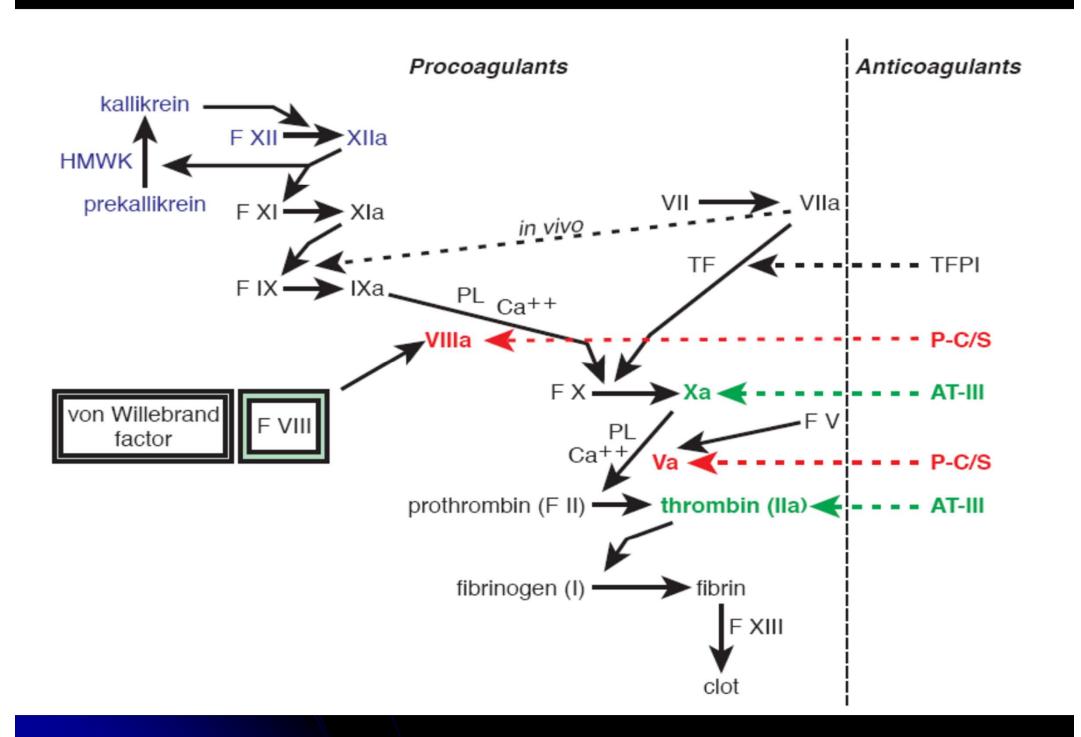
Platelets

Primary Haemostasis

Secondary Haemostasis



From: Essential Haematology, 6th Edn. © A. V. Hoffbrand & P. A. H. Moss. Published 2011 by Blackwell Publishing Ltd.



Practical Approach to a Child With Bleeding History:

- AGE OF ONSET
- SEX, Family History
- LOCATION I TYPE OF BLEEDING
- DURATION OF BLEEDING
- MEDICATIONS
- ASSOCIAED SYMPOMS
- REVIEW OF SYSTEMS

Platelet

Coagulation



Petechiae, Purpura

Hematoma, Joint bl.

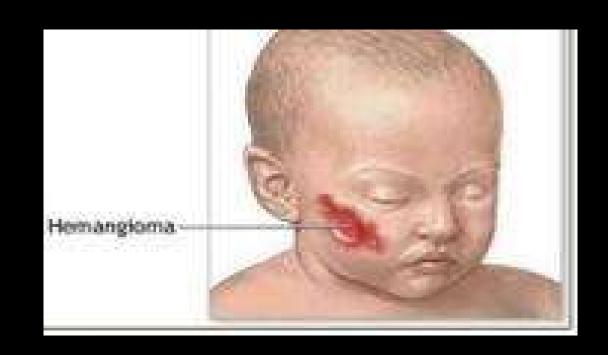
DEEPSEATED HEMATOMAS



Hemophilia Arthropathy and Muscle Bleeding



HEMANGIOMAS



Hemangiomas Kassalback-Merritt syndrome







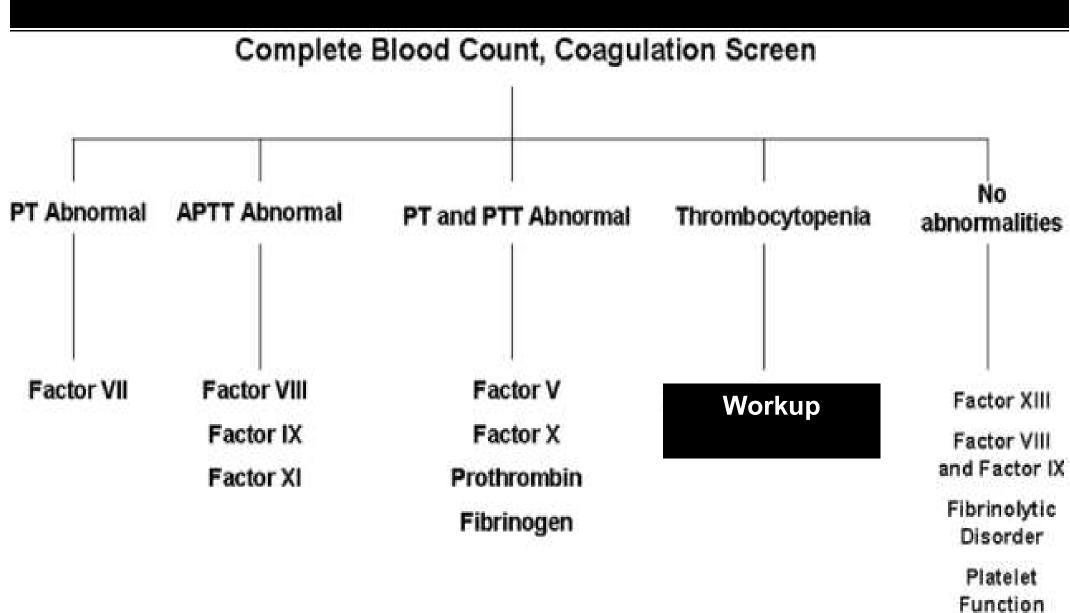
Screening Coagulogram

- Platelet count
- PT
- APTT

- Additional
 - Bleeding time

 - S.Fibrinogen

Interpretation



Testing

Bleeding time

- > A normal BT is " to 9 minutes
- ➤ The BT is an approximate measure of the relationship between platelet number and function, as originally demonstrated.

Bleeding time

prolonged with Impaired platelet Function platelet counts
Reduced belowintegrity ^--1...
Impaired vascular

Thrombin time

Thrombin time The TT measures the thrombin-induced conversion of fibrinogen to fibrin.

Thrombin time

Useful test to diagnose when both the PT and PTT are prolonged.

FXIII deficiency & Increased fibrinolysis

In a patient with a significant bleeding history,if All screening tests and von Willebrand panel are normal Consider FXIII,PAI activity,alpha ⁷ antiplasmin.

FXIII deficiency

Urea Clot lysis Assay: Useful screen for FXIII deficiency FXIII Assay.

Euglobulin Clot Lysis Time

shortened in conditions characterized by increased Fibrinolysis (antiplasmin deficiency, plasminogen activator inhibitor deficiency.

Mixing studies

- Mixing studies(performed to evaluate a prolonged PT or PTT) Continued.
- Prolongation indicates presence of a coagulation inhibitor.

