**Bleeding and Bruising**

**GOALS:**

1. Learn about nosebleeds and their treatment in the outpatient setting.
2. Be able to counsel parents on treatment of epistaxis.
3. Have a greater appreciation of the differential diagnosis of bleeding and bruising in children.
4. Understand the diagnostic approach to easy bleeding and bruising in the outpatient setting.

**OBJECTIVES:**

1. Discuss epistaxis in children, in terms of location of bleed, various treatments, and advice to parents.
2. Describe pathophysiology of bleeding and bruising in otherwise well children.
3. Differentiate between different bleeding disorders depending on normal and abnormal values for platelet count, PT, and PTT.
4. List other laboratory studies for identifying bleeding disorders in the outpatient setting.
5. Identify indications for referral to hematology.
6. Give examples of clinical presentation that distinguish bleeding and bruising due to bleeding disorders from child abuse.

**INSTRUCTIONAL STRATEGY:**

1. Lecture
2. Case presentation

**RESOURCES:**

1. <http://www.uptodate.com/contents/approach-to-the-child-with-bleeding-symptoms>

**EVALUATION STRATEGY:**

1. Post-test
2. Case management discussions

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