

## PEDIATRIC CASE #4

### Chief Complaint:

A 2 year old female (Sarah) presents to the pediatric dentist with intermittent “bleeding from gums x 2 weeks” . Parent reports child fell about 2 weeks ago in the playground and may have hit her mouth.

### Past History:

Prenatal : twin A , no prenatal problems

L&D : Premature 32 weeks, C-Section, Apgar 7,8.

Natal: NICU x 2weeks – uneventful

Infancy: No health problems, breastfed with supplements x 6mo.

### Current Health Status:

She has had no health problems and is developing normally. She is not taking any medications. Her immunizations are up to date.

### Medications:

She is not taking any medications

### Family History

Her twin brother is also well and developing normally.

They live with both parents. There is no family history of any bleeding disorders.

### Physical Exam including Oral exam:

Normal dentition for age. No signs of trauma, infection, or loose teeth.

### Assessment:

Bleeding from gums with unknown etiology

### What is your differential?

- a. Bleeding/blood disorder
- b. Vigorous brushing/flossing
- c. Normal for age

### What is the best action to take?

- a. Advise saline rinses and soft toothbrush
- b. Call/Refer to pediatrician/PNP
- c. Send to lab for CBC
- d. Panoramic Xray

### Call pediatrician/PNP

Pediatrician/PNP will see patient immediately.

Physical exam shows scattered petechiae and splenomegaly

### What is the best action to take?

- a. CBC
- b. INR/PT/PTT
- c. Follow-up in 2 days

### **CBC Results**

WBC 23,000 with 19% blasts

Hgb 10

Hct 29

Plt 17

### **What is the best action to take?**

- a. Admit to inpatient unit for further workup
- b. Platelet transfusion
- c. Bone marrow aspirate
- d. Viral panel

### **CASE STUDY DISCUSSION**

Using the 4 IPEC Competencies (2011) related to:

1. Working with individuals of other professions to maintain a climate of mutual respect (Values/Ethics),
2. Using the knowledge of one's own role and those of other professions to appropriately assess and address the healthcare needs of the patients and populations served (Roles/Responsibilities)
3. Communicating with patients, families, communities, and other health professionals in a responsive and responsible manner that supports a team approach to the maintenance of health and the treatment of disease (Interprofessional Communication), and
4. Applying relationship-building values and principles of team dynamics to perform effectively in different team roles to plan and deliver patient/population-centered care that is timely, efficient, effective, and equitable (Teams and Teamwork)

**Please collaborate as a team to develop a management plan for the above patient.**

- Oral-Systemic Risk Assessment
  - Identify the oral-systemic assessment findings (Hx and PE HEENOT)
  - What does the history and physical tell us about this patient?
  - What additional data do you need to collect (eg. labs, diet and exercise, etc)
  - Identify oral-systemic risk factors
- Differential Diagnosis (es)
  - Identify the tentative diagnoses for the oral health problems
  - Identify the tentative diagnoses for the systemic health problems
  - Discuss the important oral-systemic connections
- Develop a management plan for the oral-systemic conditions affecting this patient, including:
  - Preventive Interventions that include: screening and behavior change counseling that are fundamental to patient centered care

- Anticipatory guidance
- Oral health maintenance
- Collaboration and referral

### **Questions to Guide Your Interprofessional Collaboration**

- Roles and Responsibilities
  - What is the scope of the role and responsibilities of each of the providers on your team today?
- Collaboration
  - How can the Nurse Practitioner, Dentist and Physician collaborate to promote this patient's health?
- Team Building & Communication
  - What do you think are the most effective strategies to help a Nurse Practitioner, Physician, and Dentist function as a community-based primary care team in a primary care medical home (PCMH)?
  - What are the most effective ways for the IP team to communicate?
- Referrals
  - What providers does this patient need to see? When? How often?