

PEDIATRIC CASE STUDY #4

Smiles for Life

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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 2 weeks – 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

DISCUSSION

Using the 4 IPEC Competencies (2016) related to:

1. Working with individuals of other professions to maintain a climate of mutual respect and shared values (Values/Ethics for Interprofessional Practice);
2. Using the knowledge of one's own role and those of other professions to appropriately assess and address the health care needs of patients and to promote and advance the health of populations (Roles/Responsibilities);
3. Communicating with patients, families, communities, and professionals in health and other fields in a responsive and responsible manner that supports a team approach to the promotion and maintenance of health and the prevention and treatment of disease (Interprofessional Communication);
4. Applying relationship-building values and the principles of team dynamics to perform effectively in different team roles to plan, deliver and evaluate patient/population-centered care and population health programs and policies that are safe, 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, Physician, Pharmacist, and Social Worker 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, Dentist, Pharmacist, and Social Worker function as a community-based primary care team?
 - What are the most effective ways for the IP team to communicate?
- Referrals and Follow up
 - What providers does this patient need to see? When? How often?
 - What are the appropriate follow up actions for each member of the primary care team?