

Oral Health Among Different Patients with Special Needs



By



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Oral Health Among Different Patients With Special Needs

- Pregnant Woman
- The patient with a cleft lip and/or palate
- The gerodontic patient
- The patient with cancer
- The patient with a seizure disorder
- The patient with diabetes mellitus
- The patient with a blood disorder



Oral Findings During Pregnancy



- Inflammation of gingiva which occurs during pregnancy considered to be exaggerated responses of the tissues to bacterial plaque

- Oral findings include:

1. Gingivitis
2. Gingival enlargement
3. Enamel erosion



Oral Characteristics of Patient with a Cleft Lip and/or Palate

- Tooth development: disturbances in the normal development of the tooth buds



Baby with cleft palate



Cleft palate



Unilateral cleft lip



Bilateral cleft lip

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- Malocclusion
- Open palate
- Muscle coordination: deficiency in coordinating movements of lips, tongue, cheeks, floor of mouth
- Periodontal tissues
- Dental caries



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Oral Findings in Aging (Gerodontic Patients)

- Soft tissues:
 1. Lips: dry : results from dehydration and loss of elasticity within the tissues. Angular Cheilitis.
 2. Oral mucosa: atrophic changes: tissue may become thinner and less vascular. Hyperkeratosis: white areas develop as a result of irritation from sharp edges of broken teeth or dentures.
 3. Tongue: taste sensation?? Primarily with in people with a disease condition
 4. Xerostomia: conjunction with pathologic states.



Oral Findings in Aging (Gerodontic Patients)

- Teeth:

1. Color
2. Attrition
3. Abrasion
4. Root caries



- Periodontium: tissue changes related to aging

Oral Effects of Radiation Therapy on patient with Cancer

- Tissue Changes: early changes e.g reduced salivary flow. Late changes: e.g. xerostomia
- Mucosa: inflammatory changes: inflammation of the mucosa usually occurs 1 to 2 weeks after the onset of radiation therapy. Some clinical signs: Sensitivity to pressure and temperature extremes, bleeding, and unpleasant odor from necrotic tissues.

Radiation Therapy

THINKING...



Oral findings of Patient with a Seizure Disorder

- Gingival Overgrowth: occurs in 25% to 50% of persons using phenytoin for treatment
- Effects of accidents during seizures :
 1. Scars of lips and tongue
 2. Fractured teeth



Oral Findings That May Occur with patient with diabetes mellitus

- Gingiva: increased gingival inflammation
- Periodontium: more teeth with deep pocket, more alveolar bone loss, tooth mobility and migration increased, and delayed in healing: increased infection after surgery
- Teeth: poor controlled DM increased caries: decreased saliva
- Lips: dry, cracking, and angular cheilitis
- Saliva: decreased flow: xerostomia
- Mucosa: red, oral candidiasis, altered taste and delay healing.



Major Oral Findings Suggestive of Blood Disorders

- Gingival bleeding, spontaneously or upon gentle probing
- History of difficulty in controlling bleeding by usual procedures
- Numerous petechiae
- Acute or chronic infections which do not respond to usual treatment, e.g. candidiasis
- Severe ulcerations associated with a lack of response to treatment



Systemic Diseases, Medications, Hormonal Changes and Oral Health



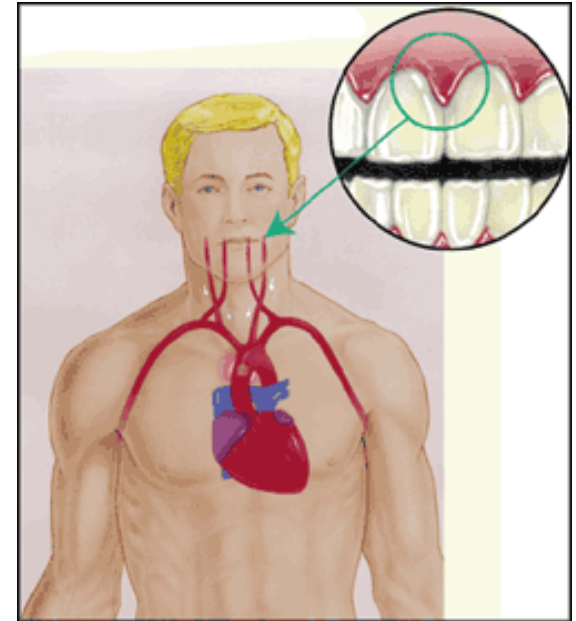
Oral Health and Systemic Diseases

- Cardiovascular Diseases and oral health
- Respiratory Diseases and oral health
- Diabetes and oral health



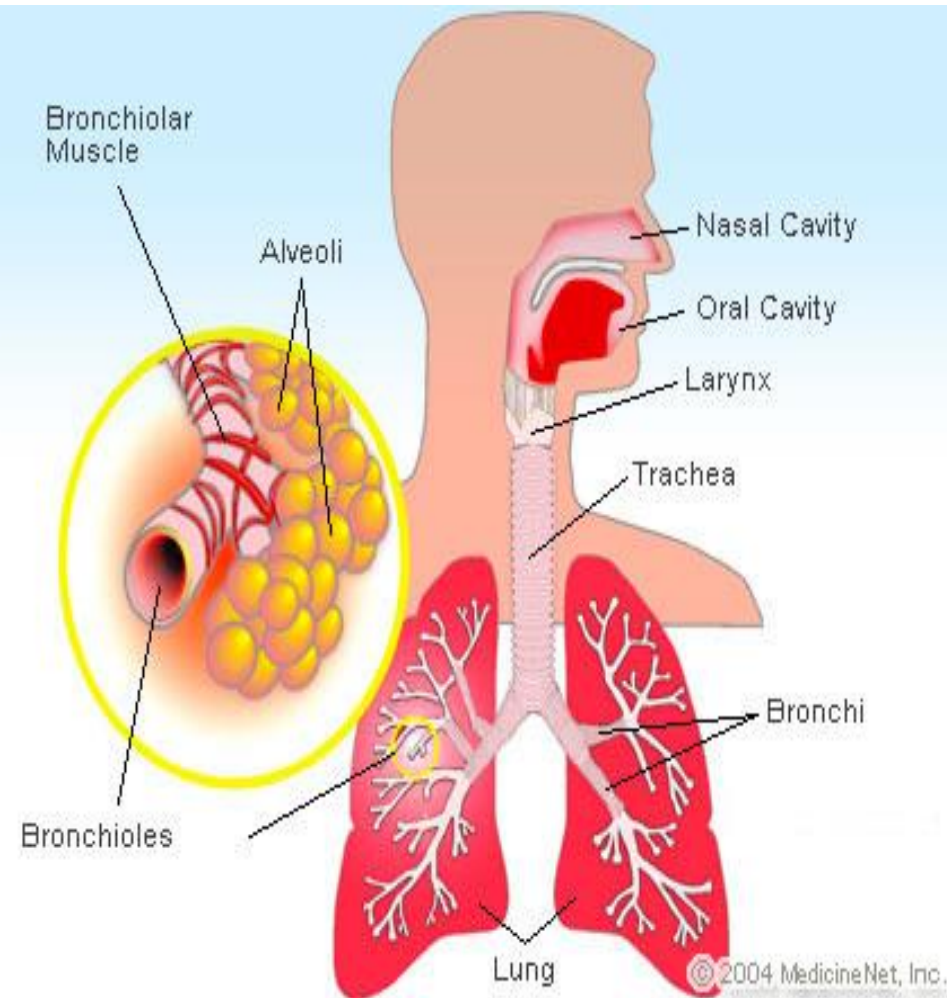
Cardiovascular Diseases and Oral Health

- Having good oral hygiene will contribute in reducing the incidence of some cardiac infections such as bacterial endocarditis.
- Recently, proposed that a relationship between oral bacteria and cardiovascular disease.
- While there are some data regarding this hypothesis: (no substantial evidence has been presented that oral microorganisms are etiologic for cardiovascular disease)



Respiratory Diseases and Oral Health

- Recent research: suggests that bacteria found in the throat, the same as bacteria found in the mouth, can be drawn into the lower respiratory tract
- This can cause infections in lung or worsen existing lung conditions



Diabetes and Oral Health

- People with diabetes: more likely to have periodontal disease than people without diabetes, since the Diabetics are more susceptible to having infections
- Diabetic Patients who have periodontal disease should be treated to reduce the periodontal infection

THINKING...



Effects of Certain Drugs on Oral Health



- Medication for some specific systemic conditions may lead to **gingival enlargement**:

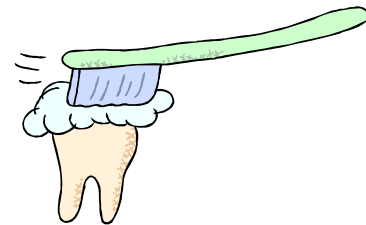


- **Phenytoin** – induced gingival enlargement. Phenytoin is a drug used to control seizures
- **Cyclosporine** – induced gingival enlargement: (Immunosuppressant drug used for patients with organ transplants: for prevention the rejection.
- **Nifedipine** – induced gingival enlargement: used at the treatment of angina and ventricular arrhythmias.

Endocrine (Hormonal) Factors and Oral Health

- Researches indicate that hormonal changes can have marked effects on the gingival tissues changes that initiated by local factors
- Situations at which the body undergoes hormonal changes which create endocrine imbalances:

1. Puberty
2. Pregnancy
3. Menopause



Thank
You



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