

NORTHWEST AIDS EDUCATION AND TRAINING CENTER

Basic Oral Health for HIV Patients

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Value of Oral Health



Allows for normal oral function \rightarrow Quality of life



Dental Disease Can Be Devastating

Can be devastating to patient's self-confidence!! Can project an image that influences how others perceive you!



Socially displeasing

BAD BREATH

Can affect one's employability



"Bad Appearance" = lower IQ



Compromised oral function



Impact of Dental Health: The Obvious

• <u>Ideal</u> basic oral health defined:

- No dental decay, fully functional dentition
- No gingivitis / no periodontitis No dental abscesses
- No mucosal lesions / diseases; normal salivary function

Benefits of oral health

- Adequate oral function: Nutritional intake speech
- Prevention of pain and infection
- Self-image: Esthetics no bad breath self-confidence

Poor oral health can adversely affect quality of life and limit career opportunities and social contact as result of facial appearance and odor



Impact of Dental Health: Less Obvious

Oral disease \longleftarrow Systemic disease

Periodontal disease (infection) affects diabetes control

Poorly controlled diabetes worsens periodontal disease

- Oral infections: Deep space infections
 Aspiration pneumonias (ICU patients)
 Cardiac disease: Endocarditis, CAD?
 Heme/Onc disease → systemic spread
 Colon cancer associate with oral bacteria
 Dental infections →flare of chronic GVHD
- Dental infections \rightarrow ? Affect HIV replication
- SMOKING and Tobacco products



Oral and Dental Disease

What are the most common dental problems for HIV(+) patients? Dental Decay

- Gingivitis
- Periodontal Disease



ORAL HEALTH for HIV(+) PATIENTS

- Oral health should be integrated with primary care
 - Dental assessments and history should be part of primary health assessments: Dentition status / Gingival health status
- Referral mechanisms need to be established between medical and dental providers
- Dental providers should collaborate with the primary medical care providers: information on the medication regimen, immune status, and health of their patients
- Primary care providers need to perform oral health care services: oral health screening, oral health education, and patient referral



Factors Affecting Access to Dental Care

- Lack of dental insurance
- Limited financial resources
- Shortage of dentists trained/willing to treat HIV pts.
- Nonexistent adult dental Medicaid services
- Patient fear of and discomfort with dentists
- Perceived stigma within health care systems
- Lack of awareness of the importance of oral health



Bacteria and Dental Health

Bacterial plaque - Biofilm:

- 1) Proteins / carbohydrates (pellicle)
- 2) "Early" bacterial attachment
- 3) Secondary bacterial colonization

Decalcification of enamel /

dentine

Inflammation / Infection of gingiva



About 1,000 bacterial species can exist as part of the dental biofilm



Acids

Enzymes

Inflammator

products

Factors Affecting Dental Health



Bacterial-Induced Dental Disease



ech●

http://www.drdeanlodding.com/blog/2011/04/types-of-cavities-diagram/







Tooth Decay Gum Disease









Basic Oral Hygiene



Achieving Maximum Oral Health

Unfortunately there are no cell phone apps to give us oral health – WE have to do it yourself!



Tooth Brushing

- Soft toothbrush
- Brushing techniques
- Toothpastes
- Remineralizing pastes
 - Calcium / phosphate
 - Fluorides













Topical Fluorides

• Prescription Strength – 1.1% Neutral Sodium Fl

- Prevents tooth decay
- Re-mineralize / Slow or arrest active decay
- Especially important for xerostomia patients

• Easy to use:

- Brush on techniques
- Oral rinses
- Fluoride trays
- Apply once a day

Inexpensive "dental insurance"



Flossing

Floss

- Waxed / Unwaxed
- Fine / Extra- fine
- Glide[™] / "teflon" floss
- Hand flossing Flossers













Clean up and down while curving floss around teeth at the

J Gun

Maximizing Effectiveness of Oral Hygiene

Be sure "equipment" works for patient

- Electric vs manual toothbrush
- Type of floss and hands vs flosser
- Correct technique is critical!!
 - Manual dexterity DO IT RIGHT
 - Attention to detail
- 2x/day brushing; 1x/day flossing
 - Don't get lazy be consistent
 - Modify habits to ensure success
 - Multi-task: floss while reading email, TV, etc.



Adjunctive Oral Hygiene Aids

- Antibacterial rinses
 - Chlorhexidine
 - Doxycycline / Minocycline
- Interproximal brushes
- Tongue scrapers
- Water irrigators

















Oral Health for HIV+ Patients

- Oral health supports systemic health
- Effective oral hygiene requires effective training/ follow-up
 - Basic oral hygiene needs to be consistent and done correctly!
 - Oral hygiene protocols: Basic protocols but adapted and customized for specific patient needs and situations
- Understand the basics of dental "infections" Dental decay / Gingivitis / Periodontal disease

Dental health should be integrated into and supported by primary health care providers AND
primary health should be integrated into and supported by routine dental health care providers

Beautiful Smiles – Fresh Breath







But healthy, too!











NORTHWEST AIDS EDUCATION AND TRAINING CENTER Basic Oral Health for HIV Patients Thank you Questions??

Comments!!

