

The Role of Primary Care

The Link Between Primary Care and Oral Health

- Children visit medical providers about six times during the first year of life
- Primary care providers play a major role in educating families about good health practices
- Existing well child care model is easily adaptable to oral health
- Focusing on prevention and advocacy is a long-standing tradition in medicine

Role of the Primary Care Provider



- Incorporate oral health promotion into well child care
- Screening and referral
- Advocacy
- Tools
 - Age appropriate fluoride

Partnerships for Prevention

- Increase interaction between medical and dental communities
- Creative collaborations
 - Pediatric clinic
 - Dental clinic
 - PNCC/WIC
 - Head Start/Schools
 - Other models (ABCD for Kids)
 - KGC(Kids Get Care)

Medical Provider's Role

- Conduct caries risk assessment
- "Lift the Lip" as part of each well-child exam
- Conduct anticipatory guidance
- Provide caregiver with prevention information (oral hygiene, diet and nutrition, and fluoride)
- Determine "decay risk (caries risk)" and prescribe appropriate fluoride
- Refer the child for follow-up dental care, as needed

Screening and Assessments

Caries Risk Assessment

- Is there visible plague on the teeth?
- Are there cavities, white spots or enamel hypoplastic areas on the teeth?
- Is there a history of decay in the family?
- Does the child have a history of low birthweight or pre-maturity?
- Is there impaired salivary flow?

How to Screen for Dental Decay

- Position child in caregiver's lap, facing caregiver
- Sit with knees touching knees of caregiver
- Lower the child's head onto your lap
- Child's mouth will automatically open







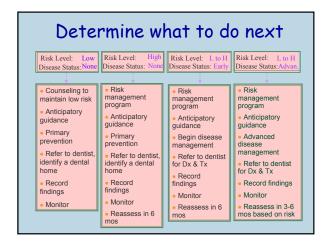












Conducting
Age-Appropriate
Anticipatory Guidance

Anticipatory Guidance

Providing counseling or intervention that helps prevent and/or reduce diseases, disorders and their impact

Anticipatory Guidance

Prenata

- Review mother's dental history
- Refer mother for dental care, if needed
- Review the importance of maternal health in the formation of fetal tooth buds

Anticipatory Guidance

0-3 months

- Review the function and importance of primary teeth
- Review feeding practices
- Review comforting tips
- Explain how decay occurs
- Provide oral hygiene instruction

Anticipatory Guidance 6 to 9 months

- Educate regarding causes, effects, and prevention of ECC
- Explain the importance of cleaning baby teeth
- Identify fluoride sources
- Introduce toothbrush and toothpaste use
- Provide guidance on feeding practices (including use of a Sippy cup)
- Demonstrate the "Lift the Lip" technique

Anticipatory Guidance

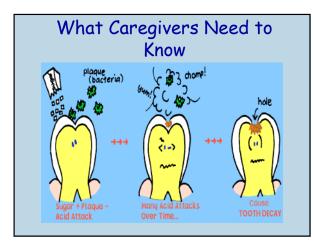
12 months

- Review diet and feeding patterns (including weaning from bottle)
- Assess risk for decay
- Review importance of regular dental care and provide resources
- Apply fluoride varnish, as appropriate
- Refer for dental visit within 6 months of first tooth

Anticipatory Guidance Through 36 months

- Review fluoride status
- Review diet, snacking and feeding practices
- Review dental hygiene measures

Caregiver Education



Preventing ECC

Dietary Guidance:

- Avoid prolonged breast- and bottle-feeding, especially at sleep times
- Do not fill bottles with liquids containing sugar
- Limit sugary, sticky snacks and juices
- Do not dip pacifiers in honey or other sugary substances
- Introduce a cup by 6 months of age

Preventing ECC

Oral Hygiene:

- Wipe infant's mouth out before first teeth erupt
- Medications may contain sugar which increases the importance of daily oral hygiene
- Schedule the first dental visit by 12 months of age
- Begin tooth brushing when first tooth appearsFloss teeth that touch each other
- Brush a child's teeth for them at least once a day until the child is 6 or 7 years old

Take Home Messages for Caregivers

- Teeth, including baby teeth, are essential for general health and proper development
- Dental decay in early childhood is a serious infectious disease that is entirely preventable
- Decay develops in the presence of teeth, bacteria and sugars
- A child should have their first dental visit by their first birthday

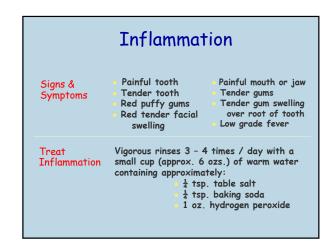
Preventing ECC

"Lift the lip"

- "Lift the lip" to examine child's teeth
- Look for decay on the outside and inside surfaces of the four upper front teeth
- It takes less than one minutel
- Do this at least one time per month

Treatment and Follow-up

Fluoride			
	Dietary Fluoride Supplement		
Age	Fluoride ion level in drinking water (ppm) ¹ <0.3 ppm 0.3 - 0.6 ppm >0.6 ppm		
Birth - 6 mos	None	None	None
6 mos - 3 yrs	0.25 mg/day ²	None	None
3 - 6 yrs	0.50 mg/day	0.25 mg/day	None
6 - 16 yrs	1.0 mg/day	0.50 mg/day	None
0.1 part per million (ppm) = 1 milligram / liter 2.2 milligrams sodium fluoride contains 1 milligram fluoride ion			



Pain and Infection Non-steroidal anti-inflammatory drug (NSAID) Narcotic/Acetaminophen combination analgesic Treat Pain **Treat** Adult Pediatric Infection (15 yrs. old +) (2 - 14 yrs old) Penicillin VK 500 mg, 1 QID 25 - 50 mg/kg/day, q6h Penicillin Allergy 250 mg QID 30 - 50 mg/kg/day, q6h **Erythromycin** Second line: 500 mg, 1 QID 25 - 50 mg/kg/day, q6h Cephalexin

Fluoride Varnish

Caries Risk Analysis

- There is visible plague on the teeth.
- There are cavities, white spots or enamel hypoplastic areas on the teeth.
- There is a history of decay in the family.
- The child has a history of low birthweight or pre-maturity.
- Impaired salivary flow.

Fluoride Varnish Application

- Safe
- Effective
- Quickly completed

Characteristics

- Dry tooth facilitates fluoride uptake
- Sets on contact with moisture
- Not rendered inactive by plaque
- Taste is tolerable
- Can reverse early decay and can arrest active lesions

Fluoride Varnish Products

- Cavity Shield (Omnii)
- Duraflor (Pharmascience)
- Duraphat (Colgate)

Fluoride Varnish

- More than 25 years of use and research in Europe
- Available in Canada for many years
- Currently, more than 90% of all professionally applied topical fluorides in Scandinavia are varnishes

Efficacy

- Meta-analysis of Duraphat trials reveals 38% caries reduction*
- Fluoride varnish and APF have comparable efficacy

*Helfenstein and Steiner, Community Dentistry and Oral Epidemiology, 1994

Safety

- Fluoride varnish as safe as other topical fluoride applications*
- APF can not be used safely and effectively on infants and toddlers

'Vaikuntam, Pediatric Dentistry, 2000

Fluoride Varnish Facts

Two types of fluoride:

- Dietary or ingested fluoride which is swallowed and laid down within developing tooth enamel before tooth erupts
- Topical fluoride which is applied to the actual tooth after it has erupted
 - Fluoride varnish has been widely used in Canada and Europe since the 1970s to prevent dental caries