

# Pediatric Dentistry: An Overview



Martin J Davis

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# The Primary Dentition

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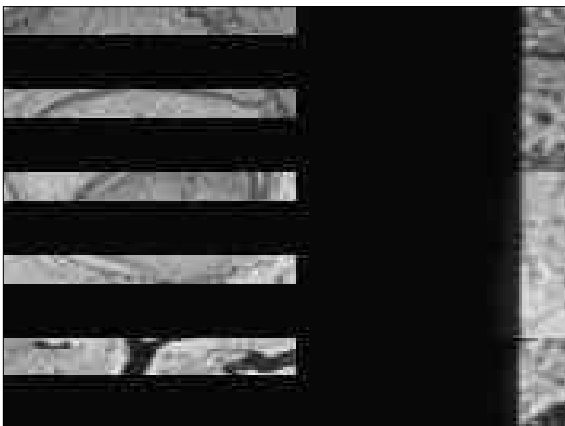
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Eruption Patterns: Primary Teeth

- 6 months  
Primary mandibular central incisors
- 7 months  
Primary maxillary central incisors

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27 Months = 20 Erupted Primary Teeth

23 Months +4		16 Teeth +4
27 Months		20 Teeth

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# Restorative Dentistry for Primary Teeth

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## Why Restore?

- Freedom from Pain
- Freedom from Infection
- Normal Growth and Development
  - Function Yields Form
- Proper Speech Development
- Esthetics and Self-image

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# Early Childhood Caries

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**No more dropped bottles while strolling.**

Stroll 'n Sip ends the frustration of dropped or broken bottles when baby is on the go. Just snap Stroll 'n Sip onto the tubing of any stroller or swing. Place the bottle into the plastic holder and the liquid will travel down a tube into the pacifier nipple. When baby sucks on the pacifier, out comes the liquid. Dishwasher-safe 8 oz. bottle included. Completely sanitary. An easy and practical way to keep baby satisfied.

Stroll 'n Sip, #C089, \$9.95 (2 lbs.)



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# Space Maintenance

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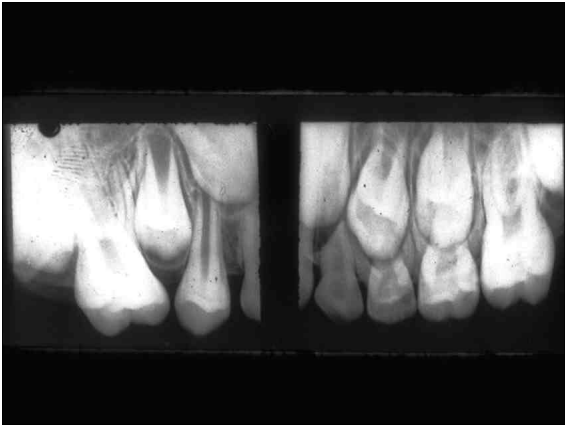
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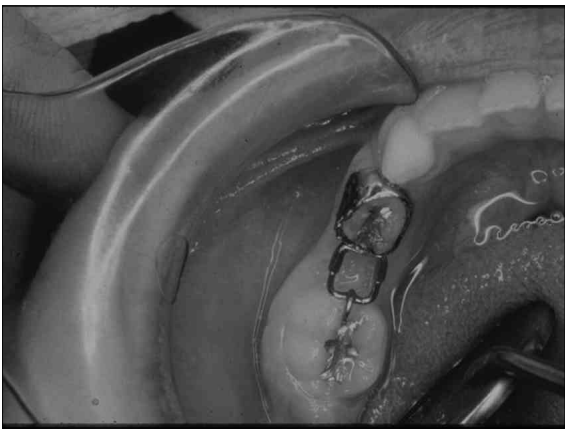
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**Endodontics  
for the  
Primary  
Dentition**

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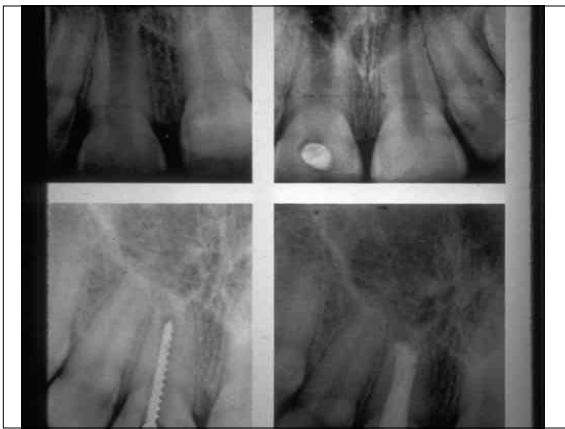
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**The Mixed  
Dentition**

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# Prevention

- Caries
- Periodontal Diseases
- Trauma
- Growth and Development Disorders

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# Trauma

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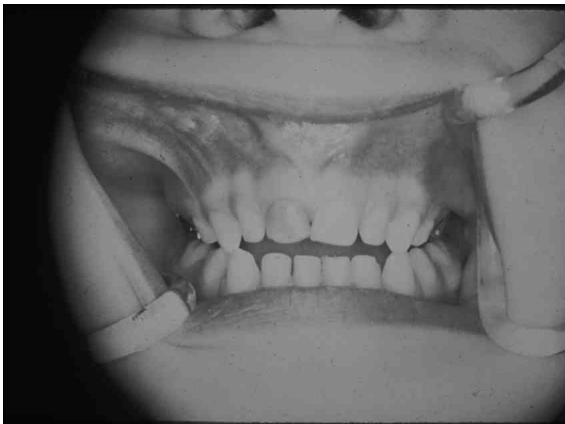
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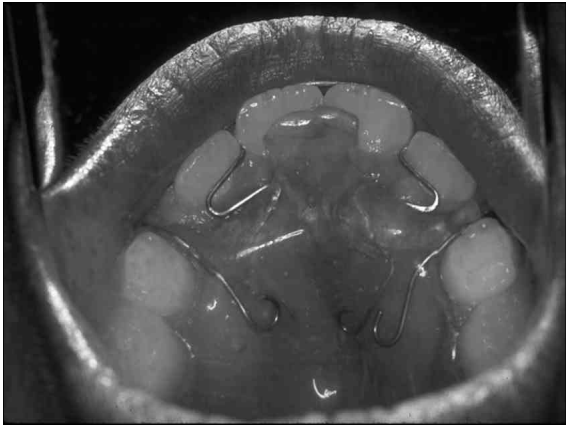
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**Periodontal  
Disease**

**GINGIVITIS  
PERIODONTITIS  
BONE LOSS/TOOTH LOSS**

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## Caries

- Incipient > Remineralize
- Pit and Fissure Sealants
- Preventive Resin Restorations
- Class I Composites
- Class I Amalgams
- CL II, SSC, Strip Crown Anteriors

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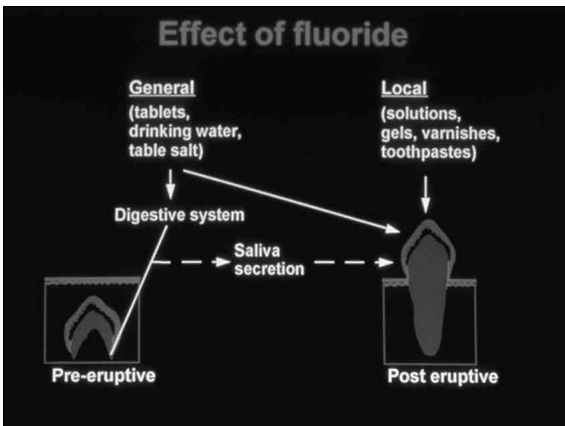
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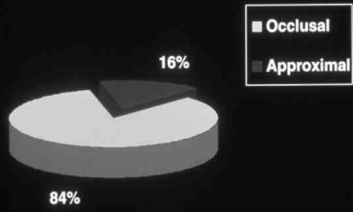
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# Occlusal vs. Proximal Caries in the USA



Burt et al. IDR 67, 1988, p.1422.

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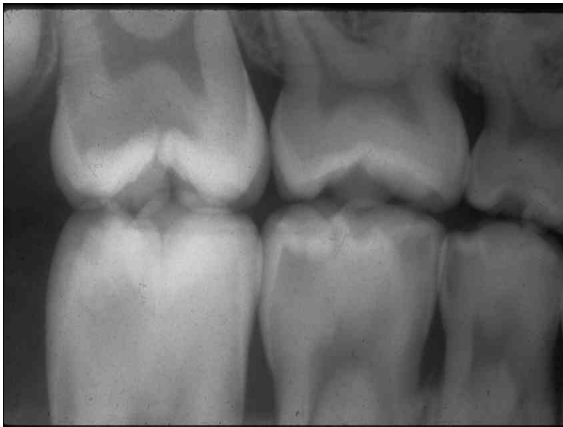
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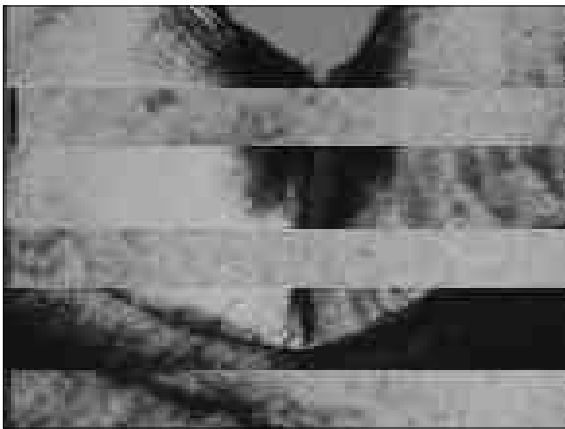
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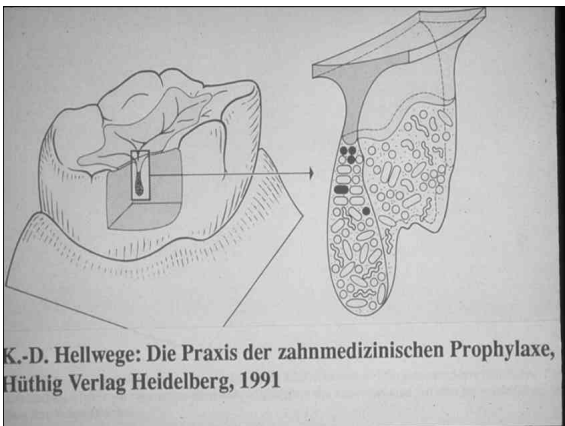
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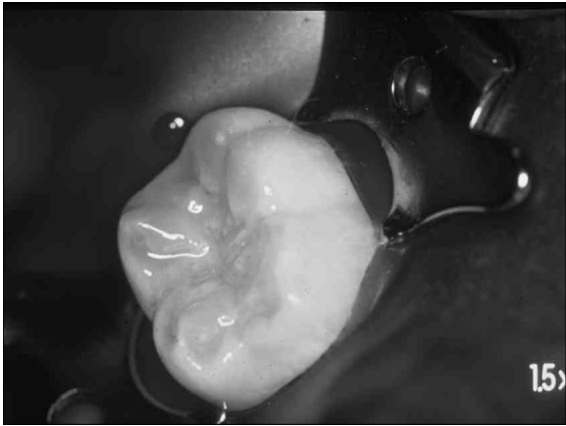
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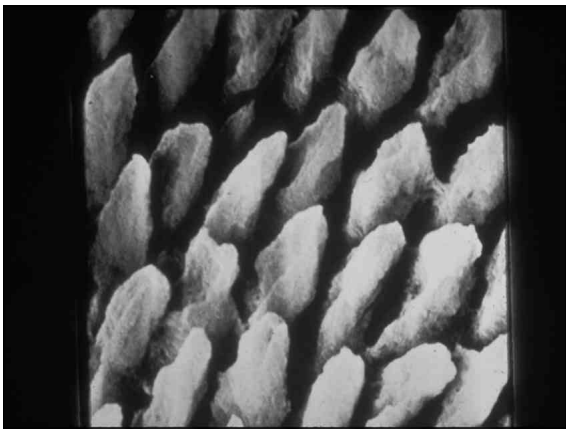
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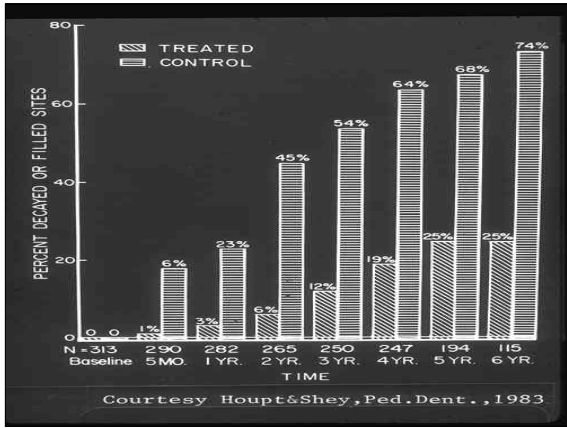
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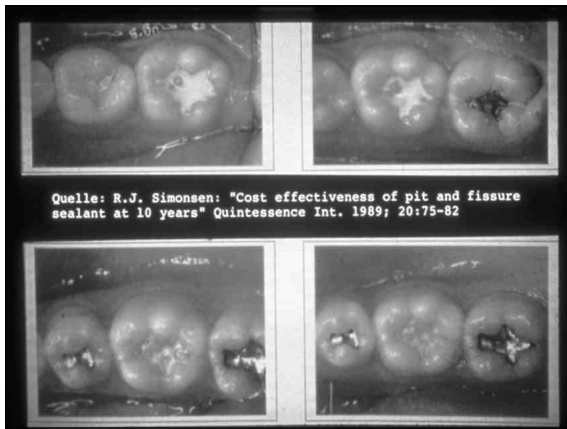
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## Children's Oral Health

- Oral health is the most prevalent unmet health care need of children with special health care needs

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**Oral Health In America: A Report of the Surgeon General**

- Not all Americans are achieving the same degree of oral health
- “A silent epidemic” of oral disease is affecting our most vulnerable citizens-
  - Poor children
  - The elderly
  - Many members of ethnic and racial minority groups

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**Children’s Oral Health**

- Dental caries is the single most common chronic childhood disease-5 times more common than asthma and 7 times more common than hay fever
- Over 50 percent of 5- to 9-year old children have at least one cavity or filling, and the proportion increases to 78 percent among 17-year olds

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**Children’s Oral Health**

- Approximately 20% to 25% of U.S. children experience 80% of all decayed teeth
- There are striking disparities in dental disease by income. Poor children suffer twice as much dental caries as their more affluent peers, and their disease is much more likely to be untreated

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## Children's Oral Health

- Medicaid hasn't been able to fill the gap- less than one in five Medicaid covered children received a single dental visit in a recent year-long study period

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## Children's Oral Health

- Cleft lip/palate is one of the most common birth defects. These and other congenital anomalies that effect the oral cavity cause lifetime problems that can be devastating to children and adults

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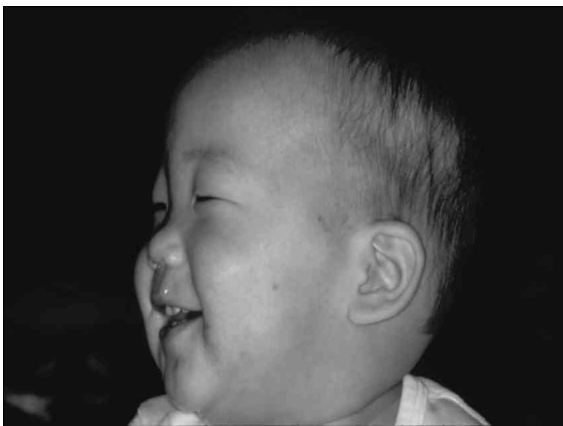
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# Demographics

**Under 18 age group will increase 8.1 million from '93 to 2020**

**HHS: "Pediatric Dentists treat : "**

- a disproportionate number of SES disadvantaged patients (42% Medicaid)
- 57% of the Medically Complex



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# The Future of Pediatric Dentistry

- The Specialty
- At Columbia University/New York Presbyterian Hospital

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# Pediatric Dentistry at CU-NYPH

- Two Year Residency at CHONY
- Lectures & Lab Last 1/2 of Year III
- Clinic SS III through Mid Year IV
- Area of Conc Years III & IV

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