Dr. Adriana Segura: The Role of Dentistry in Interprofessional Education for Caries Management

Dr. David Krol: The Role of the Pediatrician in Caries Management. Challenges and Opportunities of the 21st Century

Dr. Carlos Gonzalez-Cabezas: What we know and do not know about Fluoride Varnishes.
The Role of Dentistry in Interprofessional Education for Caries Management

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University of Texas Health Science Center
San Antonio Dental School
National and State

- American Academy of Pediatrics
- University of Texas Health Science Center San Antonio
- Duke University
Caries - Single most prevalent chronic childhood disease

Five times more common than asthma

2-5 years of age who are living at or below the poverty level, 80% of the decayed teeth have not been restored
American Academy of Pediatrics
Strategic Priorities 2006-2007
Dedicated to the Health of All Children

- Special Health Care Needs
  - Foster Care
  - Oral Health
- Disaster Preparedness
  - Mental Health
- Obesity
Physician Programs

1. Oral Exam & Fluoride Varnish Reimbursement To Medical Providers
   42 states

2. Training Modules

3. Section of Pediatric Dentistry and Oral Health
The Section on Pediatric Dentistry and Oral Health was formed in 1999 to improve the care of infants, children and adolescents by providing an educational forum for the discussion of problems and treatments related to oral health.
Membership

- Pediatricians
- Pediatric Dentists
- General Dentist
- Physician Assistants
- Residents
- Dental Hygienists

Executive Committee – Pediatricians, Pediatric Dentists and General Dentistry
Oral Health Preceptorship Program

- Funded by the ADA Foundation
- Initiated to provide pediatricians interested in implementing oral health assessments in their practice with mentorship
- Individualized one-on-one training in performing oral health risk assessments, maternal/caretaker oral assessment interviews, and to learn to apply fluoride varnishes.
- Pediatric Dentist
New Orleans Children's Health Project, New Orleans, LA –
Alina Olteanu, MD, PhD
1. Pediatrician
2. Pediatric Resident
3. Nurse
3. Social Worker
4. Dentistry
5. Mental Health Team
6. Case Manager

1. Primary Care
2. Treatment
3. Risk Assessment
4. Prevention
Chapter Oral Health Advocate

- State Chapter
  - Community
  - Oral Health
- 1 ½ half training
  - On hands training
  - Role of pediatrician and staff
  - Oral health education
  - Management plan with referral to a dental home
  - Fluoride varnish

- Deliver health training with in their state
- Report Activities with in the state
- 59 Advocates
The Community Access To Child Health (CATCH) Program is a national program of the American Academy of Pediatrics that increases children's access to medical homes or specific health services supporting pediatricians and communities who are involved in community-based efforts for children.
Project Smile: Oral Health Modules for Health Care Providers
(Funded by HRSA, KGAFO223161666)

- Pretest
- Four Oral Health Modules
  - Early Child Disease (ECC): A crisis you can prevent
  - A Child’s Mouth: What is normal
  - ECC: You can identify the Problem Early
  - ECC: How to Prevent and Manage it
- Post-test
  - Oral Health Attitude and Confidence
  - Oral Health Knowledge
**Project Smile**

**Objectives**

- The objectives are:
  1. List the number and type of primary teeth in the toddler's mouth.
  2. List the eruption sequence of the primary dentition.
  3. State the recommended age of the child's first oral examination.
  4. Describe the benefits of early dental examinations.
  5. Given a small child, perform a knee to knee oral examination.

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UTHSCSA- Scholarship Teaching Grants

- Taline Dalian Infante, MS, RDH:
  - Realizing Enhanced Student Inter-Professional Education through Clinical Team work (RESPECT)
An interdisciplinary clinical training opportunity
  › Dental
  › Dental hygiene
  › Medical
  › Nursing

Increase the level of health and wellness of an underserved population.

The residents at the SAMM Transitional Living and Learning Center (Blanco Rd)

Medical & Dental - clinics provide free care to these residents who have the opportunity to live there for 2 years. Rent free as they transition from homelessness back into society.
A wellness plan for the residents.
The DH Clinic provides quadrant scaling prophylaxis, fluoride treatment, Radiographs, Simple restorative care, Complex treatment - residents are seen at the San Antonio Christian Dental Clinic at the Haven for Hope.
The medical clinic is a primary care clinic for

1. acute and chronic illness.

2. acute and chronic upper and lower respiratory tract illnesses, including infections, asthma, rhinitis

3. hypertension, hyperglycemia, obesity

4. mood and behavior disorders—anxiety, depression

5. acute and chronic musculoskeletal problems, sprains, strains, low back pain

6. common dermatological conditions—head lice, eczema, athlete’s foot

Small pharmacy for residents without funding
Point-of-care tests (glucose, pregnancy, rapid strep)
1) Rotate through Pediatric Dental Clinic on their Community Peds Rotation
   * receive a notebook of key articles and handouts
2) Attend Pediatric Grand Rounds on Oral Health - one time per year
3) Attend several Noon Conferences per year on Oral Health Topics
1) Provide Oral Health Screening in their Continuity Care Clinics (caries risk assessment, OH education and apply Fluoride varnish)

2) Communicate with Peds DDS via email and pager text for Consults and Referrals
   * use an Electronic Health Record

3) Assist dentist in PEDS Emergency Department (observe dental trauma and cellulitis treatment)
Challenges of the Uninsured

1. Uninsured Children with extensive decay
   - Sedation
   - General Anesthesia

2. Practitioners accepting young patients

   $1,000 to treat each child in office (sedation)
   $2,000 – 5,000 operating room
Physicians and Dentists
We can work Hand in Hand
Success

 Integration between medical, nursing and dental care

 Recognize barriers

 Structured referral process

 Monitoring follow up
   › Iowa – Care coordinator (Dental Hygienist)
Role of Dental Health Professionals

- Curriculum
- Reach Families with effective messaging on importance of oral health
- Advocacy for Oral Health
- Risk Assessment
- Promote healthy nutrition and fluoride