



Mixed Dentition PEARLS

South Carolina Dental Association 2011 Meeting

Martha Ann Keels DDS PhD

Thursday, April 28, 2011 2:00 pm - 5:00 pm













































Dr. Daniel Hale's - I DARE YOU

- 1. Turn off the TV
- 2. Children walk (run, bike, hike, swim)
- 3. Water/Low Fat Milk are the only beverage choices at home
- 4. Fast food is a 1 time per week treat after the family exercised together
- 5. Fruits and vegetables are the only snacks
- Last Child in the Woods saving our children from nature-deficit disorder Richard Louv - 100 actions we can take Invite nature into your life - birdbath Walk on the beach - collect seashells Adopt a Tree Build a tree house or fort Plant a garden Go fishing LEAVE NO CHILD INSIDE



























.... The child may deny any symptoms and may be experiencing <u>"silent</u> <u>GERD</u>". In this case, dental erosion, especially of the posterior teeth, is an important finding with respect to the diagnosis of GERD.



Ref: Ali DA, Brown RS, Rodriguez LO, Moody EL, Nasr, MF. Dental erosion caused by silent gastroesophageal reflux disease. JADA 133:734-7, 2002.











5

































































































Chairside steps ?

- If symptoms are not initially confirmed, suggest that the patient keep a <u>DIARY</u> for a few weeks to document any potential symptoms, including any diet-related or sleep-related discomfort.
- If the patient is symptomatic, <u>REFER</u> the patient to his or her pediatrician or primary care provider for further evaluation.

PREFER to DELAY TX - to be able to

monitor progressive disease.









Basic Algorithm for Identifying Contributing Factors to Enamel Erosion		
Enam	el Erosion	
Molars Cush tine effected, slick moon craters	Incisors Polished store appearance	
Cusp ups typertu, succ moon cruits	Tousica non appearance	
Level 1 Erosion Tobit is primary concern Ardite Uquids – sodar, juice, lemonade, Gatoraden Ardite Cools – pickles, cirie (rain Candy – Som Korda, Skinkes, Cirina Aloids n, etc. "GERD considered as a secondary possibility		
Level 2 Erosion *GERD considered more seriously		
*Diet becomes secondary	Facial – acidic liquids (i.e. sodas) Facial and Lingual – sodas/bulimia Lingual – bulimia / GERD (tongue thrust)	
Level 3 Erosion *GERD is primary concern possible synergy with bruxism		













































































Life's Lessons

- Your own screw ups are the best teachers
- Seeing someone else's screw ups is the best <u>substitute</u> teachers

Panorex	Pearls
When s	should we get our st Panorex 222

After eruption of 23,24,25,26 Average age 7-8



PANOREX PEARLS ---monitor eruption !

Which teeth go astray ???

- ✓ Maxillary Canines most talked about
- ✓ Mandibular Premolars
- ✓ Mandibular Canines



Email case from Atlanta ---Upper Canine Overlap

Warning Signs for MAX Canines

- BEWARE of PEG LATERALS
- BEWARE of odd shaped Canines
- BEWARE of Max Crowding









Albert Einstein's Three Rules of Work 1. Out of clutter, find simplicity

2. From discord, find harmony

3. In the middle of difficulty lies opportunity

Permanent Dental Trauma MTA is Magical

WHAT IS MTA Mineral Trioxide Aggregate = Portland Cement

MTA = calcium, silica, bismuth

Properties - long setting time, high pH, low compressive strength, some antibacterial & antifungal effects

MTA = BIOACTIVE - influences its surrounding environment

3 great reviews in JOE 2010 - by Drs. Parirokh and Torabinejad

MAIN BENEFIT of MTA Mineral Trioxide Aggregate = Portland Cement

MTA (unlike CaOH) = stimulates calcific bridging directly without inflammation

Reservoir of Calcium

3 great reviews in JOE 2010 - by Drs. Parirokh and Torabinejad

Permanent Tooth Trauma

THE IADT Guidelines (2007)

- Guidelines for Fractures & Luxations of Permanent Teeth Dental Traumatology 23(2) April 2007
- Guidelines for Avulsion of Permanent Teeth Dental Traumatology 23(3) July 2007

MAIN BENEFIT of MTA Mineral Trioxide Aggregate = Portland Cement

1) CVEK with MTA 2) Apexiogenesis with MTA 3) Control External Root Resorption with MTA
4) Treat prolonged periapical abscess

GOAL --- STABLE ROOT STRUCTURE

Shania - MTA Cvek



May 2007 - fell jumping rope June 2007 - came to clinic Dx = Complicated Crown Fracture Tx = sealed over exposure Panic Attacks with Med/Dent Care Med Hx --- Cystic Fibrosis

Scheduled for GA













- s/p metal baseball bat to his mouth
- Avulsed a tooth-Now what ???





Avulsed #9 (21) Subluxated #10 (22)

Uncomplicated crown fractures #8 (11), #23 (32), #24 (31)

































MTA Portland Cement Orthodontic Intrusion







#9 also Fractured on incisal edge Repositioned #9 Splinted 1-1

Christian MOLAR MTA #31

Two year follow-up

MTA Drawbacks

1) Long setting time

2) HIGH cost

3) Discoloration

2011 Good Books for Positive Inspiration

- Too Soon Old Too Late Smart
 by Gordon Livingstone, MD
- Stumbling on Happiness
 by Daniel Gilbert

2011 Good Books for Positive Inspiration

- The One Thing You Need to Know
 by Marcus Buckingham
- Chasing Life
 by Sanjay Gupta, MD
- Things We Can Learn from a DOG

Winston Churchill's advice for solving problems

- Never make a decision before a nap
- Make sure to feed the wife too!

