

Summary of Presentation

Kational for and Overview of Atraumatic Extraction Techniques (AET)

State of Michigan history-

Atraumatic Anesthesia Techniques

Dr./patient interaction-

Atraumatic Extraction Techniques(AET) and (RSCET) and Instrumentation

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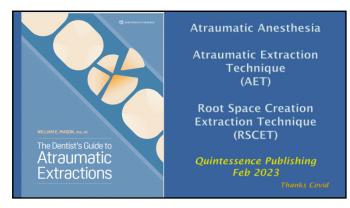


Severe ridge resorption due to traumatic extraction

Negatives: -Inadequate ridge for implant=-=cantilever -Reduced arch circumference=

=cantilever -Additional surgery: Sinus lift, GBR -Restoration failures

-Restoration failures
-Food impaction around fixed
restorations
-Thicker flanges
-Reduced facial support



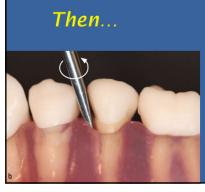
What is the *GOAL?*To remove the *TOOTH...*not the supporting *BONE*

Let's reduce/section the tooth and root because we are removing it anyway!!

It doesn't matter if the tooth comes out in 1 or 8 pieces!!

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Why do we pressure/luxate roots in the socket when there is nowhere laterally to go?

Have to have a space for it to move to...!!

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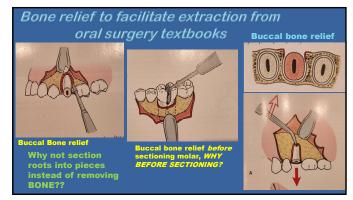


Or use excessive luxation force with forceps?

Damaging the socket wall and ridge and fracturing roots?

(roots are not

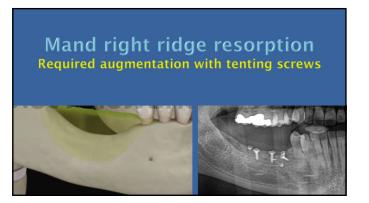
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 I asked myself "Why not remove tooth structure, which will be 	
removed anyway, to make space to pressure the remaining root into"	
Instead of removing bone or expanding the socket which causes trauma and poor healing?	
I am extracting a <u>tooth</u> , <u>not bone</u> Bone is difficult to replace!	
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In my opinion, a surgical flap and bone relief (ostectomy) or	
In my opinion, a surgical flap and bone relief (ostectomy) or excessive luxation with forceps is not indicated due to it's negative effect on ridge width, height and postsurgical healing(i.e. PAIN)	
Flap, ostectomy, luxation and extraction may be faster, but results in more loss of ridge width, height and more	
postoperative pain. Analogy:	
Full coverage restorations not needed on all teeth	
We do not just cut all carious teeth down for a full coverage crownwe do caries removal first, then decide on extent of restoration?	
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Consequences of Ridge Resorption	
-Inadequate ridge for implants->cantilever	
-Reduced arch circumference->cantilever	
-Additional surgery: Sinus lift, GBR -Restoration failures	
-Food impaction around fixed restorations -Thicker flanges	
-Reduced facial support	
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- Don't tell patients, "this is going to hurt/pinch", It will hurt because you told them it will
- Use topicals before injections, dry area, apply topical (strong), let work 2-3 mins. Gentle injections with warmed anesthetic, narrow gauge needles. 30 gauge for infiltration, 27 gauge for blocks. Citanest 3% Plain or Polocaine 4% first, then Septocaine. Use Marcaine 10-15 mins later so have anesthesia longer so min pain meds, and end up using less anesthetic volume overall since don't have to keep reinjecting during









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Communication: 70% is nonverbal If verbal does not line up with nonverbal, then people believe nonverbal. If you do not believe injection will be painless, your body language gives it away and vice versa. Non-Verbal Communication For communication Wonverbal messages onflict, people believe the NONverbal messages are sent Nonverbally!





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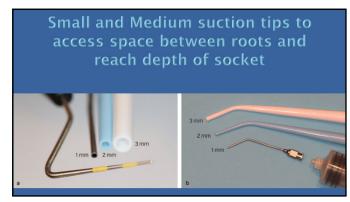
It is the combination of many careful and atraumatic steps that result in an atraumatic procedure in the end, hence AET. Not just one fancy technique or instrument

- -Develop a plan
- -Take your time (plan path of removal)
- -Slow, gentle anesthesia
- -Minimal or no soft tissue reflection
- -Divide and conquer (between roots and roots themselves, RSCET)



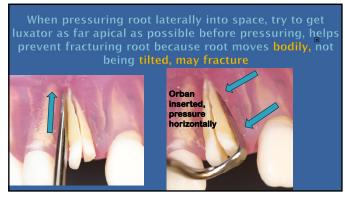


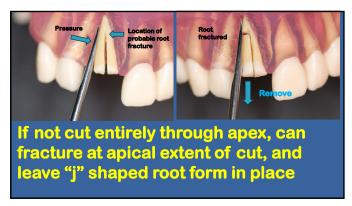






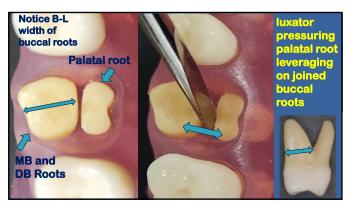


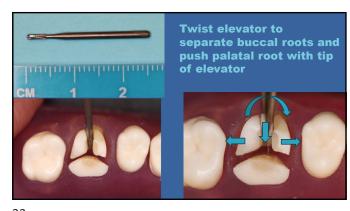


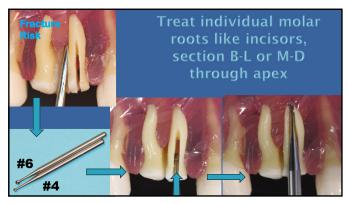












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Summary

- Atraumatic Anesthesia
- Atraumatic Extraction: Evaluate and plan, gentle luxation, release PDL, remove crown, section multirooted teeth, section individual roots, pressure sectioned root pieces into space created, section again if necessary, debride socket.