

Richman's Indications for PAOO

Two new patient's seen at my office this week.
Both where referred for muco-gingival correction.
Both are post-adolescent orthodontic patients with subsequent relapse.
No previous discussions with primary care dentist or hygienist relative to the ongoing orthodontic deterioration.

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Advantages of PAOO versus Traditional Orthodontics

Enhanced muco-gingival status, both soft and hard tissues with reduced risk of gingival recession.

Less risk of root resorption

Less risk of post-orthodontic relapse

Treatment time reduced by 60-70%, therefore less time in appliances, happier patients and less risk of iatrogenic disease – caries/gingivitis

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Patient #1 referred for gingival recession.
Had undergone extensive orthodontic therapy as a teenager, typical 2-3 year program.
Has experienced significant relapse since.
Richman completed a comprehensive examination.
We reviewed her existing recession, NCCL's and her mal-occlusion.
I then suggested muco-gingival therapy plus orthodontic re-treatment.

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Richman's Indications for PAOO Orthodontic relapse + Gingival Recession.

Patient #1.



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Patient #1.

Occlusal Views



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Patient #1.



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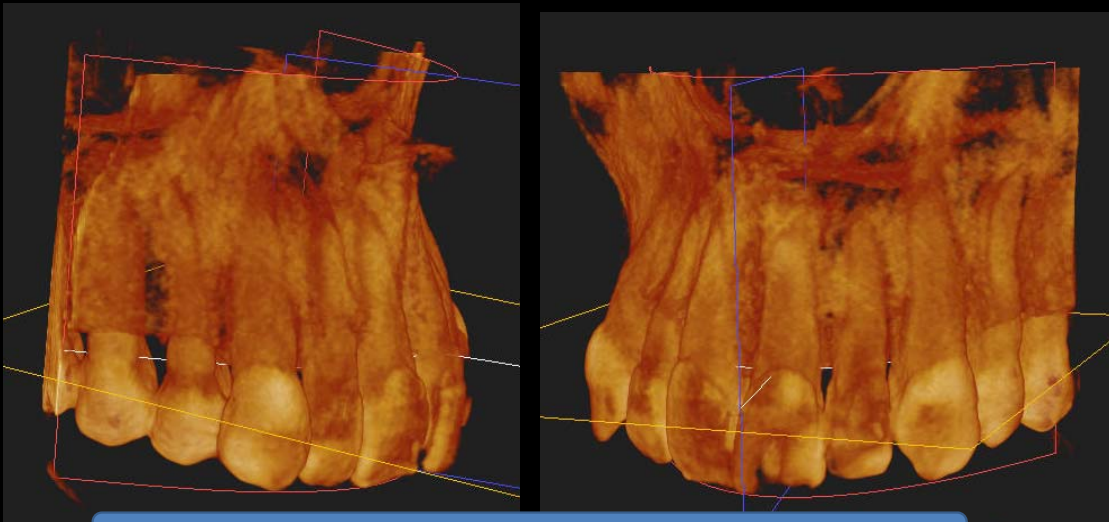
For #1 patient, the concept of orthodontic treatment running concurrently with muco-gingival surgery, and the fact that the entire project, both periodontal and orthodontics, would be completed in less than 1 year is very appealing.

She is now committed to proceeding with our prescribed comprehensive therapy.

Remember, she was originally referred for muco-gingival therapy; orthodontic had not been mentioned to her, although she was concerned with the fact that “her teeth are shifting and unstable”

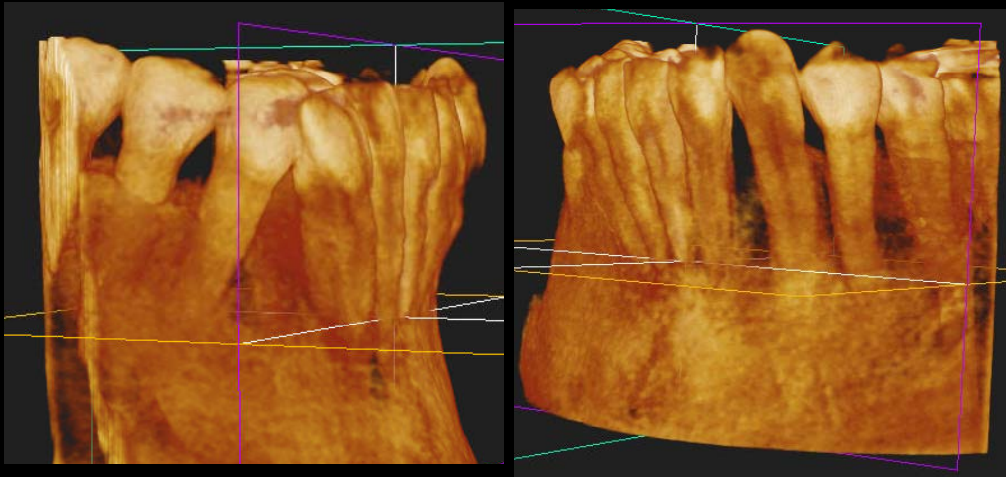
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CBCT - Maxilla

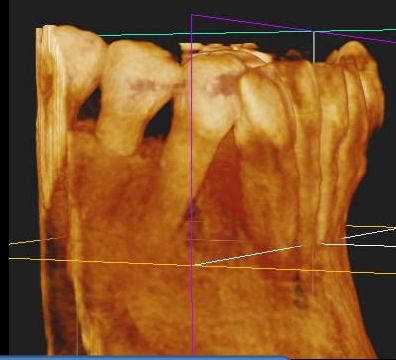
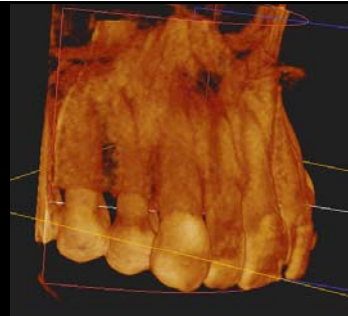


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CBCT - Mandible



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Note the bone profiles especially associated with the mandibular teeth.
Anticipate the potential additional recession associated with arch expansion.

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Note apical resorption of maxillary anterior teeth.

Left side:
Note:
Previous root
resorption of 7-10
associated with
previous orthodontic
therapy.



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What are our treatment options?

- Traditional gingival grafting will address the soft tissue problem only.
- Facial Guided Tissue Generation will 'thicken' the residual facial, and where indicated lingual bone.
- Subsequent orthodontic therapy will take approximately 2 years to complete.
- Alternatively: PAOO will accomplish all of the above in less than 1 year.
- Post-treatment: See slide #2 above!
- Seems like a no brainer to me.
- Patient is now pending an appointment with the orthodontist.

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Patient #2

Similar circumstances as patient #1. Referred for MGS. I introduced the orthodontic problem. Patient is now interested in PAOO correcting both the recession situation as well as the orthodontic problem.

An orthodontic consultation, CBT scan and radiographs are pending.

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Patient #2. Problems include:
Multiple sites of gingival recession
Non carious cervical lesions
Mal-occlusion.
Radiographically (CBCT) – thin alveolar facial bone –dehiscences.



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Patient #2.



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