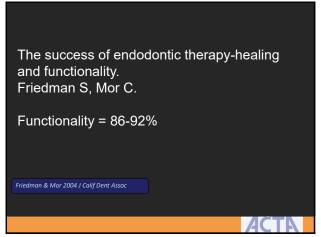


Function & Symptoms

97% of 1.4 million teeth were functional 8 years following non-surgical root canal treatment

Salehrabi & Rotstein 2004 JOE

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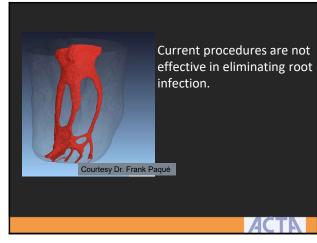
Bacteria recovered from teeth with AP after antimicrobial endodontic treatment.

Once established, nonmutans streptococci, enterococci and lactobacilli appear to survive commonly following root-canal treatment of teeth with clinical and radiographical signs of AP.

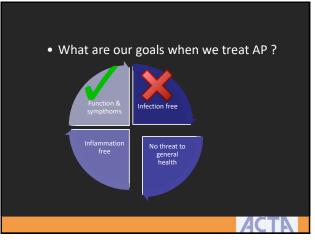
Chavez de Pas et al. 2003 IEJ

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Lesions of endodontic origin and risk of coronary heart disease.

"These findings are consistent with research that suggests relationships between chronic

periodontal inflammation and the development of CHD, especially among younger men."

Caplan et al. 2006 JDR

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ACTA

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Endodontic variables and coronary heart disease.

"This cross-sectional study did not reveal a significant association between endodontically treated teeth and CHD nor between teeth with periapical disease and CHD."

Frisk et al. 2003 ACTA odontol Scand

ACTA

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The impact of Endodontic Infections on the pathogenesis of Cardiovascular disease : A systematic review with meta- analysis

"Whether the presence of a lesion of endodontic origin may or may not have some impact on cardiovascular disease, the level of evidence is low, and our confidence in the assessment is low".

Aminoshariae et al. 2018 JOE

ACTA

Association Between Periodontal Disease and Erectile Dysfunction:
A Systematic Review

It is emphasized that physicians should refer patients with ED to oral health care providers for a comprehensive oral evaluation and treatment.

There are several confounders, such as age and the type of ED, that failed to be adjusted and that generate bias and affect the correlation between the incidence of ED and PD.

Kellesarian et al. 2016 Am J Mens Health

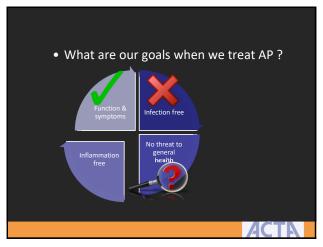
' At present time the association between endodontic disease and different systemic conditions rests on shaky grounds."

Prisk & Kvist 2019 AP in root-filled teeth

Phones Foot Representation in Root-Filled Teeth in Root-Filled Teeth

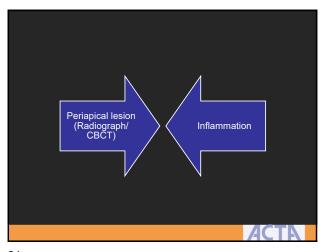
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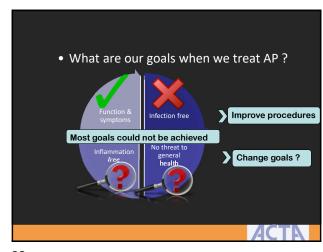
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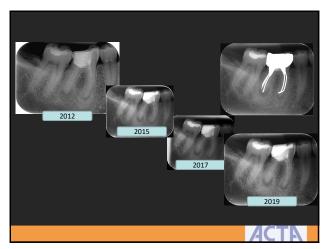
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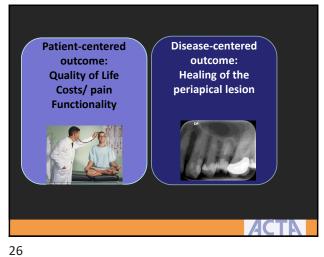




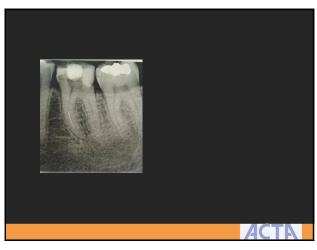
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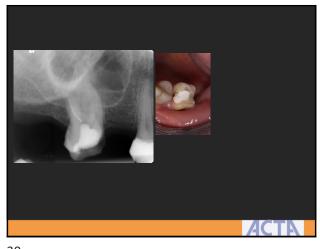
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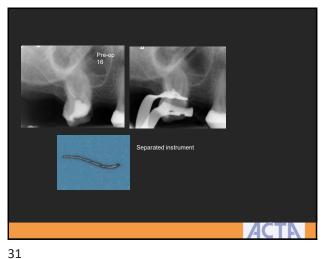


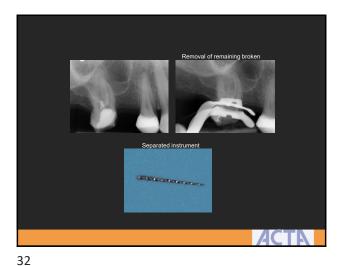
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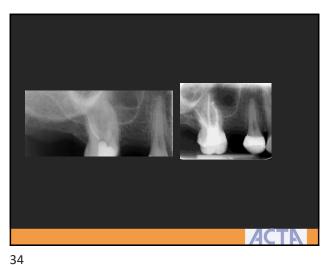


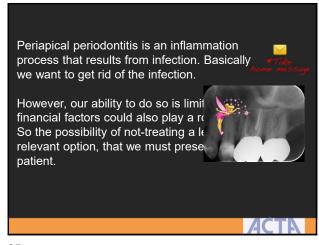
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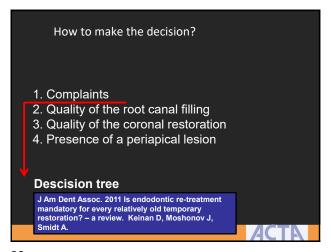


Previous attempts for a guideline

• Paul Abbott Endodontic topics 2011

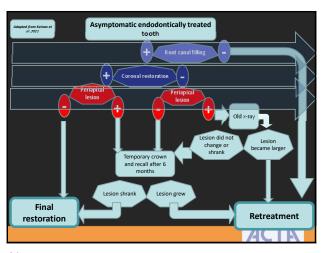
• Victoria Yu et al. J Dent Res 2014

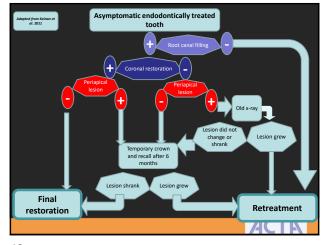
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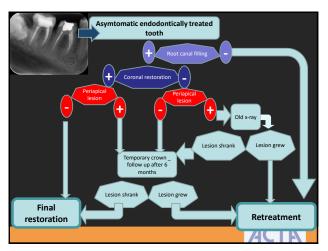


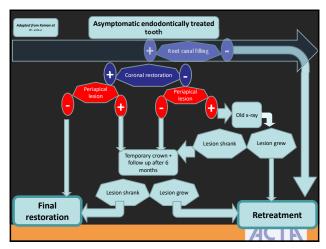
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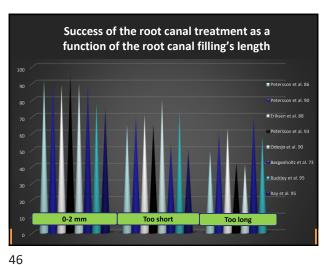


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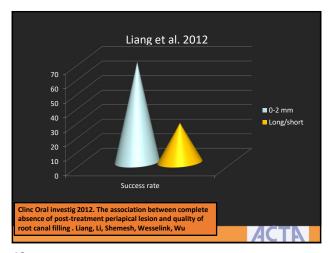


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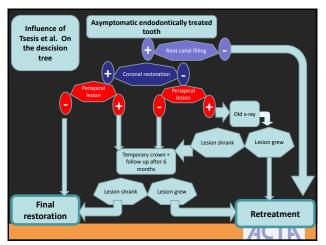
Clinical outcome studies show a consistent preference for root canal fillings that are 0-2 mm from the radiographic apex

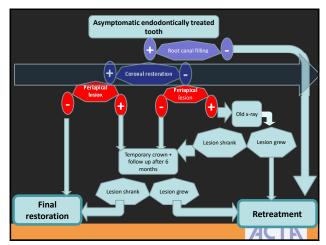
(Ng et al. 2008)

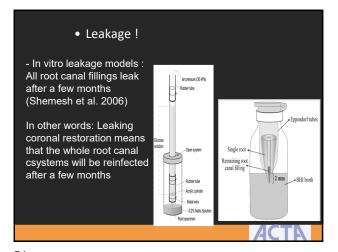
IEJ 2008. Outcome of primary root canal treatment: systematic review of the literature -- Part 2. Influence of clinical factors. Ng, Mann, Rahbaran, Lewsey, Gulabivala

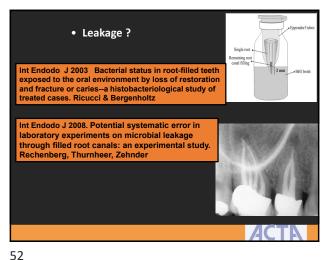


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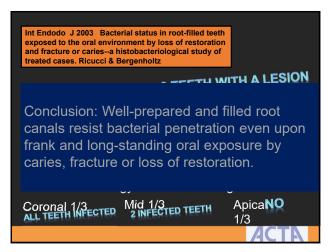








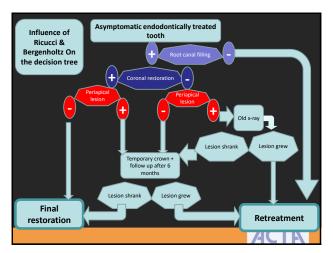
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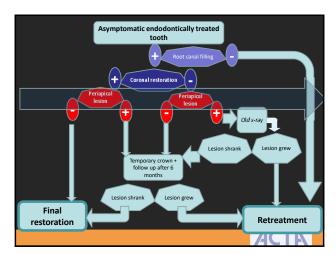


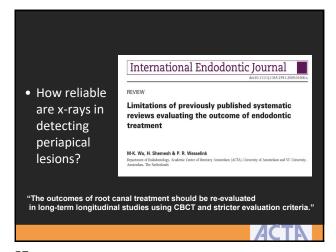
Int Endodo J 2008. Potential systematic error in laboratory experiments on microbial leakage through filled root canals: an experimental study. Rechenberg, Thurnheer, Zehnder

Conclusion: Bacterial leakage models are unsuitable for assessing leakage through root filled teeth.

53 54







Should we treat all periapical lesions?

1. General health?
2. "the accidental finding"
3. Dynamics of the healing process

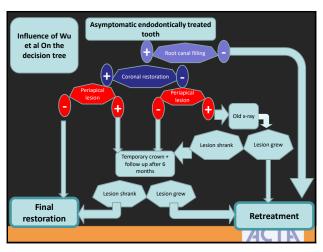
Int J Cardiol. 2011 Can a chronic dental infection be considered a cause of cardiovascular disease? A review of the literature. Cotti E et al .

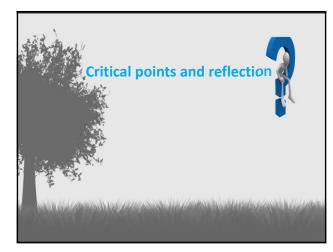
J Endod. 2011 Association of endodontic infection with detection of an initial lesion to the cardiovascular system. Cotti E et al.

Apical periodontitis as an accidental finding Wesselink P.R 2010

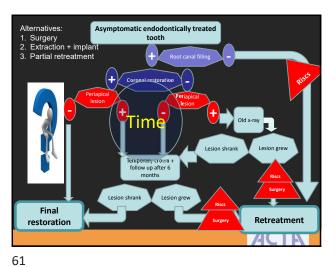
Int Endod J. 2008 Outcome of secondary root canal treatment: a systematic review of the literature. Ng YL et al.

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Conclusions A guideline/ descision tree does not give answers to all situations A guideline/ descision tree should change constantly according to scientific developements and knowledge A guideline makes the descision easier to defend and reproducible (Although not uniform...)
A guideline/ descision tree should always be used together with clinical experience and individual considerations / preferances/ expectations of the patient and operator. (And one aspect is not more important than the other)