Outcome in endodontology

+ Retreatment



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Outcome studies in Endodontology

- Importance and general concepts
- Definitions

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Which irrigation protocol?

Which file should I use?

Which file should I use?

Which obturation?

Which obturation?

Which sealer?

Which sealer?

Which concentration of hypochloride?

Microscope necessary?

Follow up period?

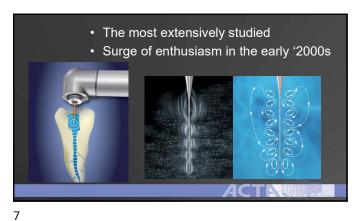
Pulpotomy or pulpectomy?

CBCT before every treatment?

Broken instruments- what to do?

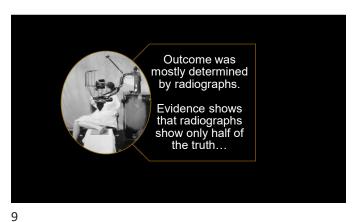
 Outcome studies show us sometimes how careful we must be when making clinical recommendations based on in-vitro studies

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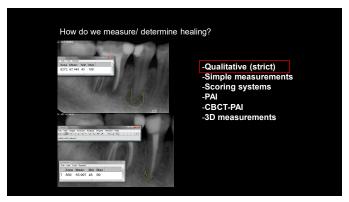
Căpută PE et al. J Endod. 2019 ...no strong clinical recommendations could be formulated. Silva EJNL et al. Br Dent J. 2019 ...there was no evidence of effective improvement on periapical healing ...that supports the use of ultrasonic irrigation... ACTA

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· Radiographic success: half true half false • Evidence: Absence of AP on radiograph: half true half false or 2/3 true 1/3 false (Brynolf 1967, Barthel et al. 2004)... • Absence of AP on radiograph: 60% true 40% false (Estrela et al. 2008, Christiansen et al. 2009).

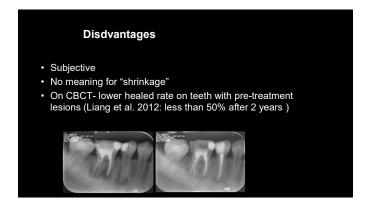
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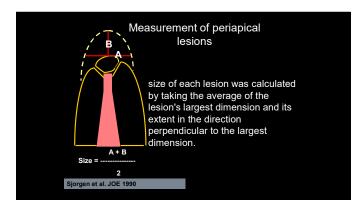
Qualitative assessment • Healed or not healed ("strict criteria") no measurement of the lesion, just present or absent.

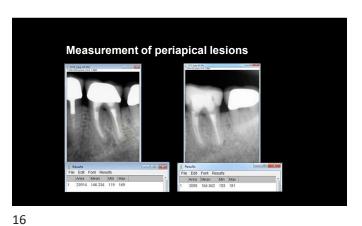
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Advantages • Quick and cheap method • Gives clinically relevant information



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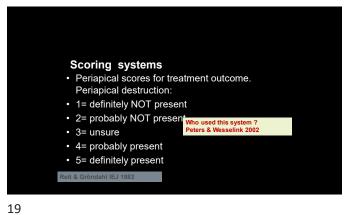


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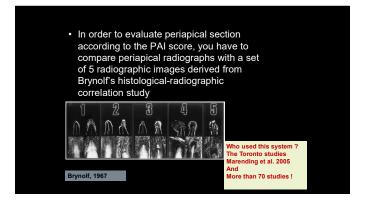


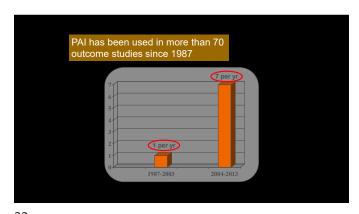
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PAI Score • PAI score (Ørstavik et al. 1986) • "The PAI scoring system offers a visual reference scale for assigning a health status to the periapex. '

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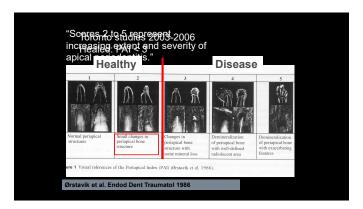


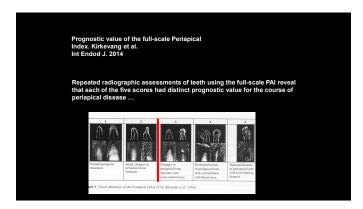
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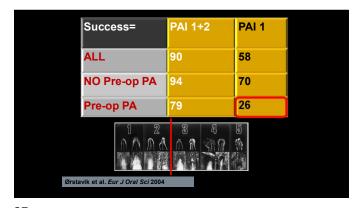


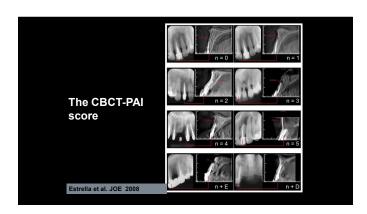


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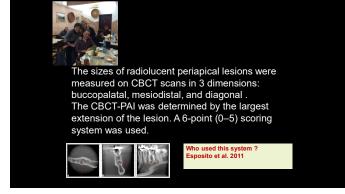




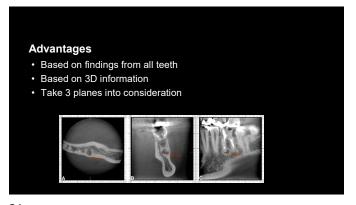


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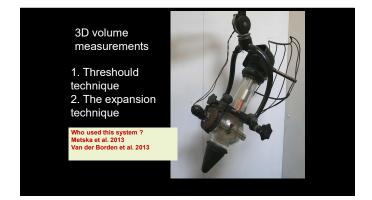
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Disadvantages

- Measurements are still based on personal interpretation and 2D concepts
- Radiation
- · Artifacts like metal posts and radiodense materials
- · Time consuming

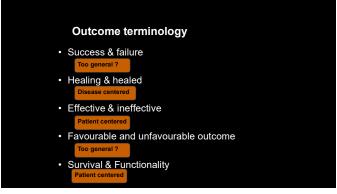
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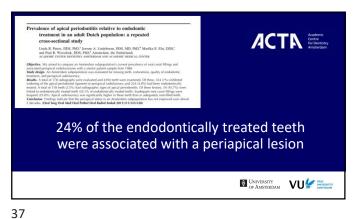
Patient-centered outcome:
Survival, functionality

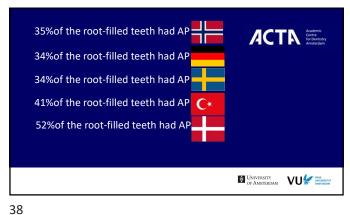
Disease-centered outcome:
Healing of the periapical lesion

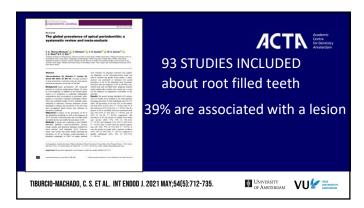
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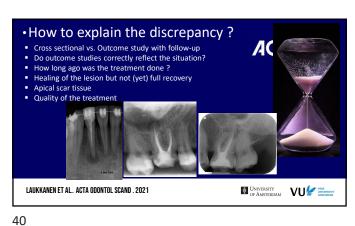


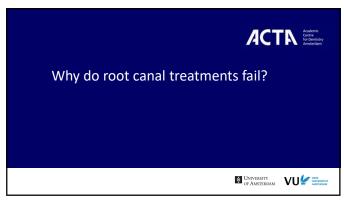
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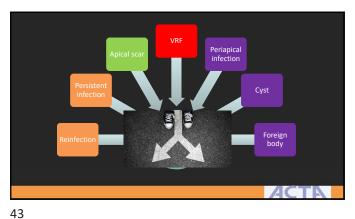




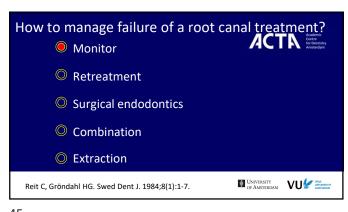


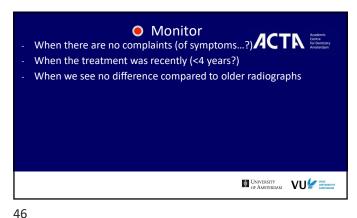






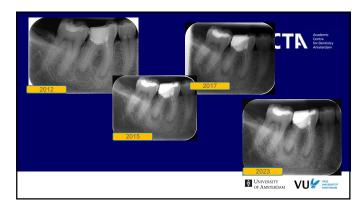




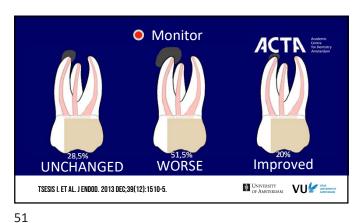


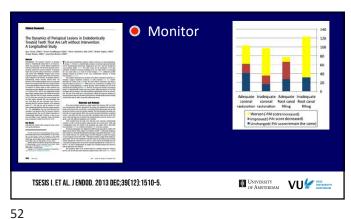


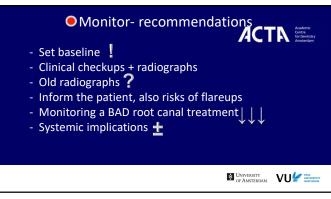


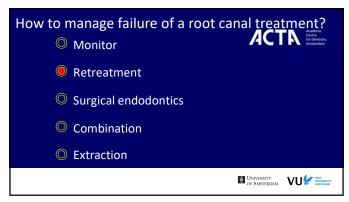






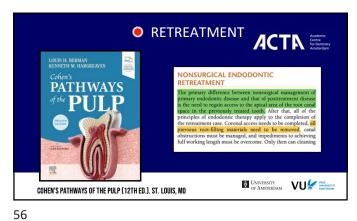


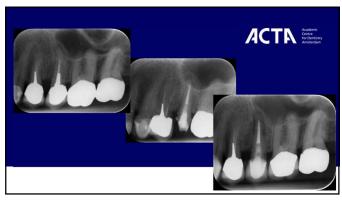


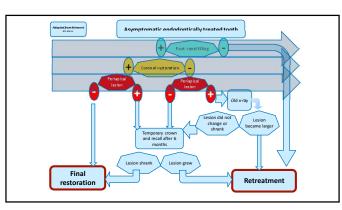


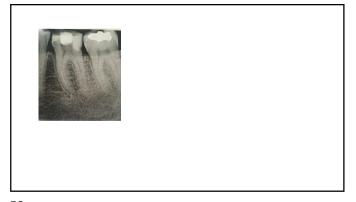
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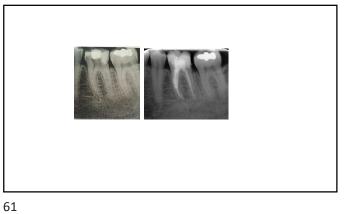




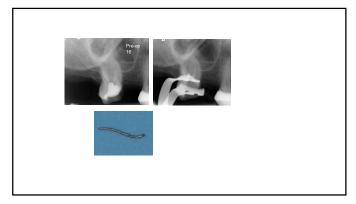


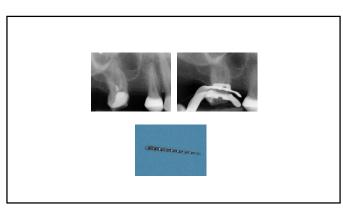


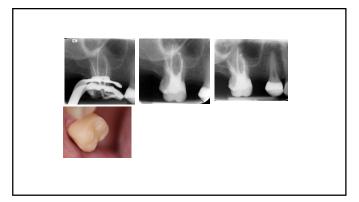
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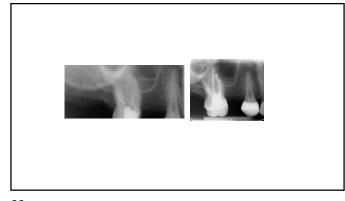


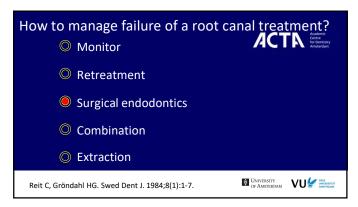


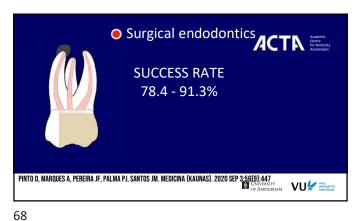


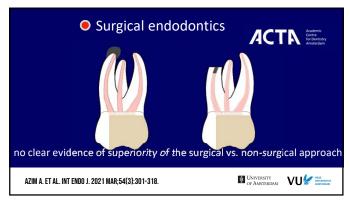


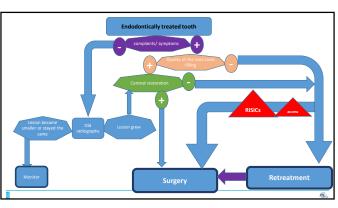






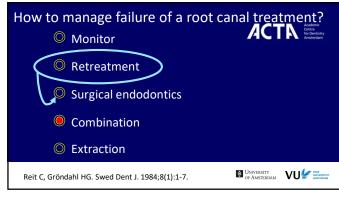




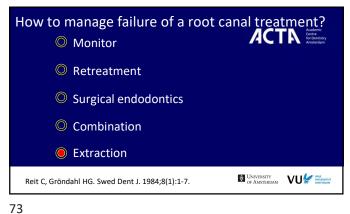


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Verwijzing naar de endodontoloog - Verwijsbrief, foto's incl. oude foto's indien beschikbaar - Behandelplan - Wat is er met de patient besproken? (verwachting, prognose, alternatieven...) - Wat is reeds uitgevoerd? - Relevante medische/ tandheelkunde voorgeschiedenis UNIVERSITY VI WINNESSTEET AMSTERDAM

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