

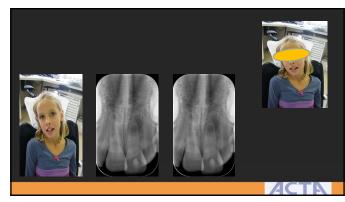
I have no commercial or financial affiliations with any of the products / methods or companies that will be mentioned in this lecture.

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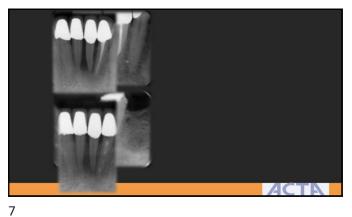




Is the root canal filling important? • 1898 *Eberly* "What is filled in the prepared *root canal* is not as important as what is removed from it". • "Thorough cleaning of the root canal is more important for the success of the treatment than any other obturation technique" ACTA



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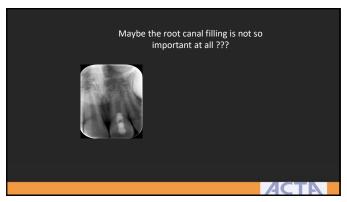




Healing of the periapical lesion also without canal filling • Saatchi 2007 • Ozan & Er 2005 • Felippe et al. 2005 • Katebzadeh et al. 1999 • Klevant & Eggink 1983 ACTA

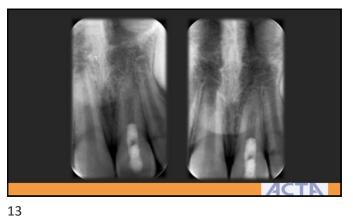
Healing of apical periodontitis after endodontic treatment with and without obturation in dogs The noteworthy finding of this study was that there was no difference in healing between the obturated and nonobturated canals. Sabeti et al. JOE 2009 ACTA

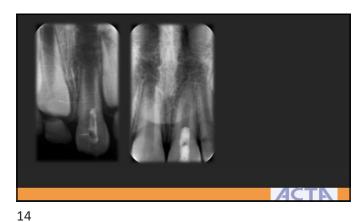
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• The quality of the endodontic treatment was the most important factor for success, although the quality of the coronal restoration also influenced the treatment outcome Prevalence of Apical Periodontitis in Root Canal—Treated Teeth From an Urban French Population: Influence of the Quality of Root Canal Fillings and Coronal Restorations

*Paula B. J. Traverse, MSs.** *Fris Bonde, DISS**, Tabilato Bondepost, DISS**,

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*Paula B. Superior, Jr. Frish.** and Sond-popuse Ladjesgues, Paula**,

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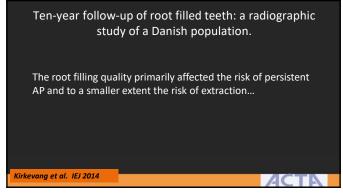
*Paula B. Superior, Jr. Frish.** and Sond-popuse Ladjesgues, Paula**,

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*Paula B. Superior, Jr. Frish.** and Sond-popuse, Paula**,

*Paula B. Superior, Jr. Frish.** and Son Tavares et al. JOE 2009 ACTA



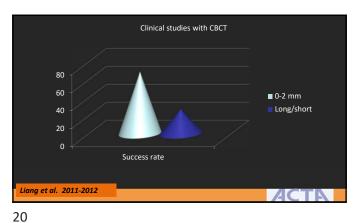
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Prevalence of apical periodontitis relative to endodontic treatment in an adult Dutch population: a repeated cross-sectional study.

• A total of 178 radiographs were evaluate

• Inadequate root canal fillings were frequent (55.8%). Apical radiolucency was significantly higher in these teeth than in adequately root-filled teeth.

19



• "An adequate root filling had a more substantial impact on the outcome of treatment than the quality of the coronal restoration"

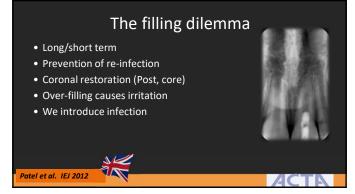
Segura-Egea et al. IEJ 2004



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How come the quality of the filling is important but there is healing also WITHOUT a filling???

ACTA



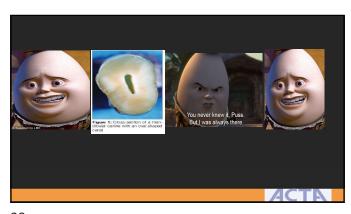
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 The root-canal filling <u>IS</u> important for the outcome of the root-canal treatment (but the coronal restoration is probably equally important)

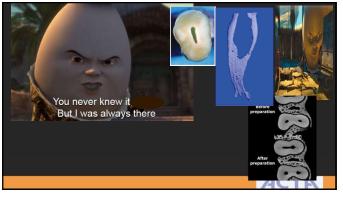


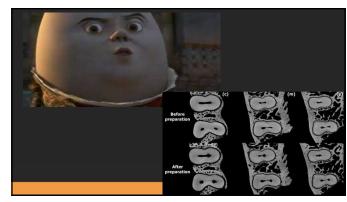
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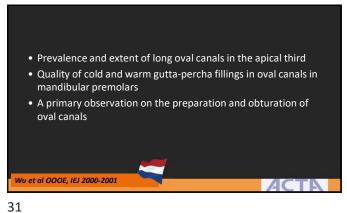


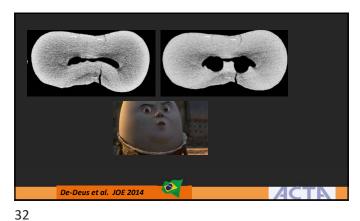
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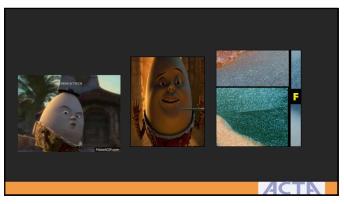




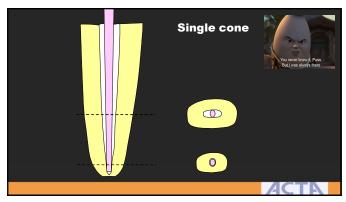
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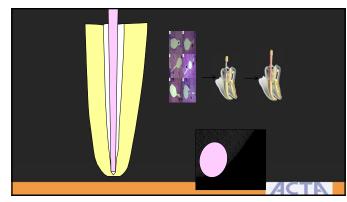


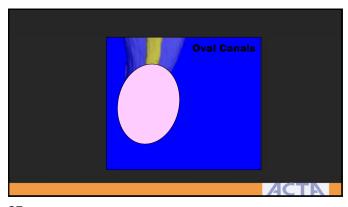


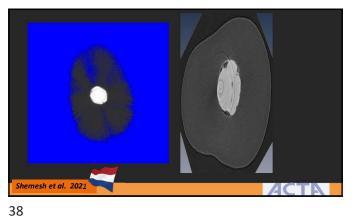




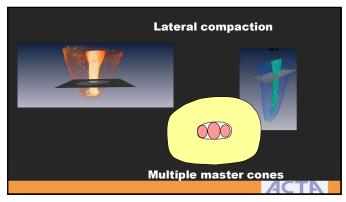


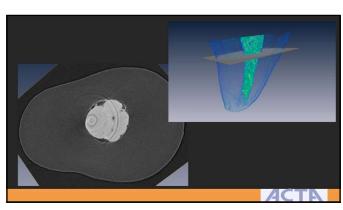




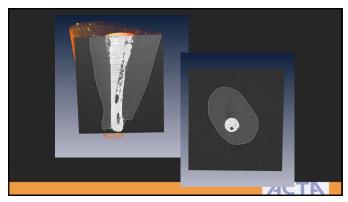


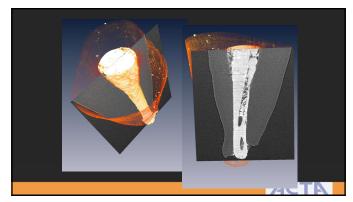
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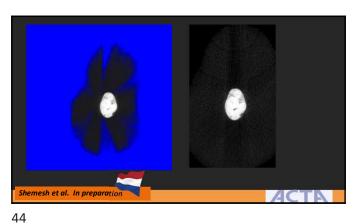
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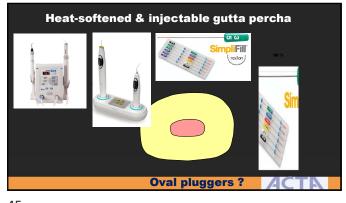


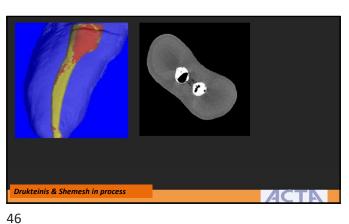


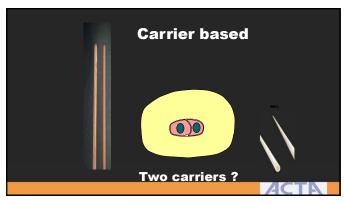
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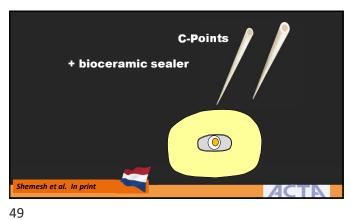


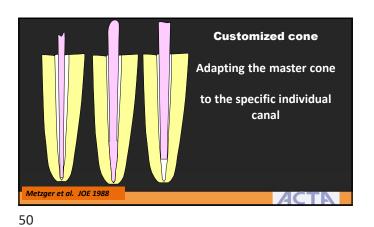


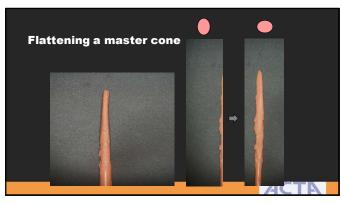


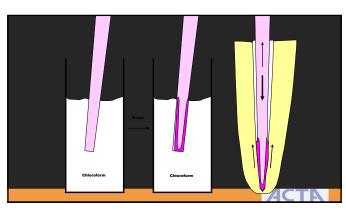
Outcome of secondary root canal treatment filled with Thermafil: a 5-year follow-up of retrospective cohort study. Pirani et al. COI 2017 ACTA

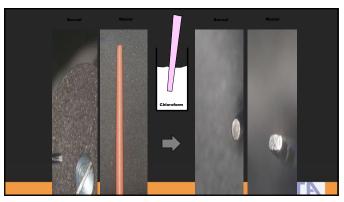
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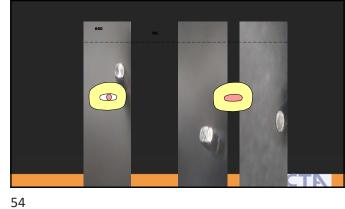


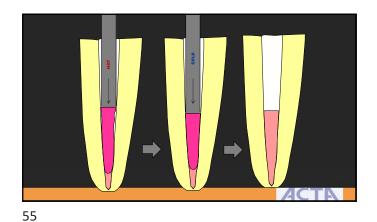


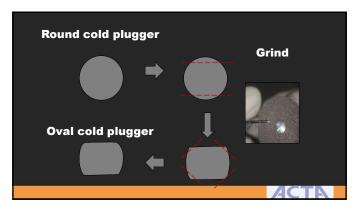






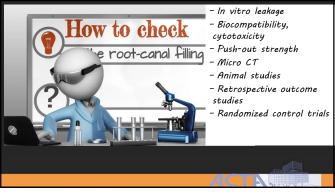


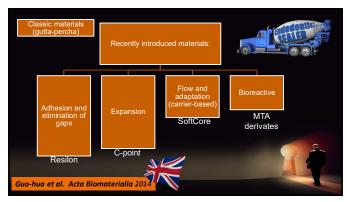


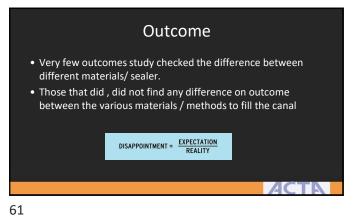




















• The "Ninja opening" limits the filling methods we can use and leave us no other choice than single cone obturation ACTA

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