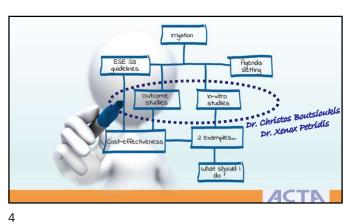


I do not have any commercial or financial affiliations with any of the products / methods or companies that will be mentioned in this lecture.

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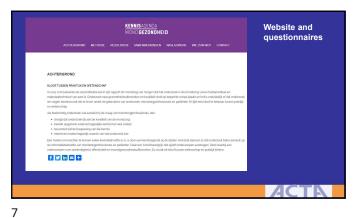


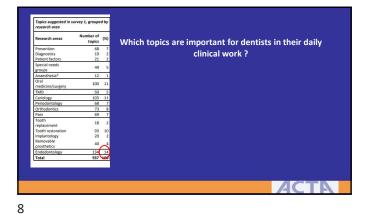
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5 6





Fable 6.6: Top-10 research topics of patients	Research theree	Ranksum
I would like to see research done into:	RELEASED COMMINE	A.B. M. S. S.
The possibility to include anal health care in the basic insurance system	ganization and design of (graf) health care	1469
	Impact of oral health (care) problems on daily life	709
3. Problems with my gums, related to my disease or medication	Oral symptoms	438
Dry mouth, related to my disease or medication	Oral symptoms	411
	Impact of oral health (care) problems on daily life	388
	The role of (oral) health care professionals	352
	Information on oral health supplied to patients	319
	Organization and design of (oral) health care	307
	Organization and design of (oral) health care	299
	The role of (oral) health care professionals	282

Research priorities for Oral Health care - Agenda setting from the practitioners' perspective Puck van der Wouden, Hagay Shemesh, Geert van der Heijden Acta Odontologica Scandinavica 2021;0(0):1-7 • The highest prioritized research topics have an interdisciplinary nature, mainly concern oral disease prevention and are underrepresented in the current oral health research portfolio. Wouden, Shemesh, Heijden (2021): Acta Odontol Scand.

9 10

Research agenda for life-threatening cancer Conclusion: User involvement in identifying research agendas has the potential to improve quality of care for patients and caregivers across the cancer trajectory, while minimizing the gap in research between the healthcare user and healthcare provider. Piil et al. (2019) Eur J Cancer Care

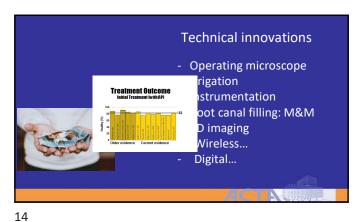
Researchers choose their research topics (& methodology?) not necessarily on the needs of the profession or patients but rather on high impact-factor scores, reputation system, seniority, commercial opportunities & funding, historical interests and personnel situation. "academic drift" 'Academic drift' is a term sometimes used to describe the process whereby knowledge which is intended to be useful gradually loses close ties to practice Harwood (2010) Minerva

11 12

Evidence and consequences of academic drift in the field of dental research: A bibliometric analysis 2000-2015

Our findings suggest that the dental research portfolio is influenced by academic drift. This academic drift has increased the disbalance towards basic science, and presents a challenge for the scientific progress in dental healthcare services.

Wouden, Heijden, Shemesh, den Bresselaar (2022):BDJ open

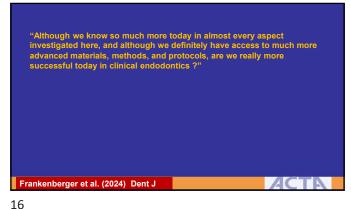


13

40-Year Outcome of Old-School, Non-Surgical Endodontic Treatment:
Practice-Based Retrospective Evaluation

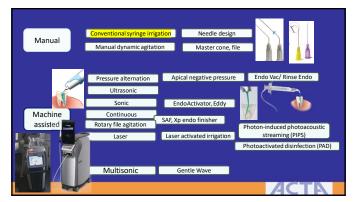
-manual Hedstrom files,
-irrigation with H<sub>2</sub>O<sub>2</sub>, or hypochlorite 3%
-gutta-percha and sealers using a lateral compaction technique
-intracanal medication (chlorophenol)

Conclusions: Even with materials and techniques from the 1970s and 1980s, successful root canal treatment was achievable.

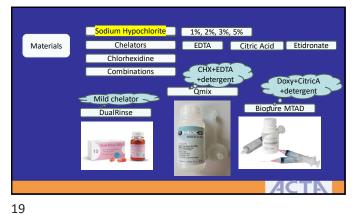


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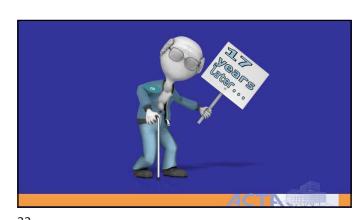
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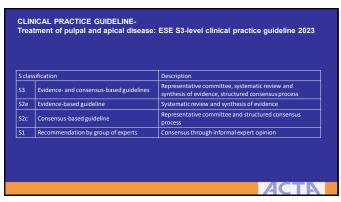
Why is hypochlorite syringe irrigation insufficient? - Biofilm - Complex anatomy - Debris blocking the way, penetration in tubuli - Influence on dentine - Undesired chemical effects of irrigants

20

Quality guidelines for endodontic treatment: consensus report of the ESE 2006 Irrigation The irrigant solution should be delivered in copious amounts as far up the canal as possible without risking extrusion beyond the foramen. This can be performed with a syringe, ensuring that the solution is allowed to escape freely into the pulp chamber and is not delivered with excessive force. The solution may also be delivered by ultrasonic or sonic systems. ACTA

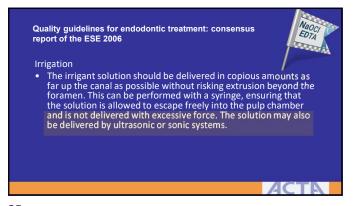


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Clinical studies

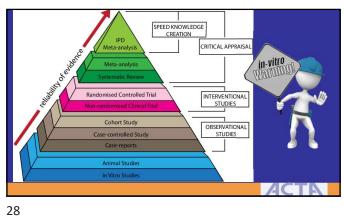
- Difficult to preform
- Often low numbers of patients
- " no difference"

ACTA

25 26

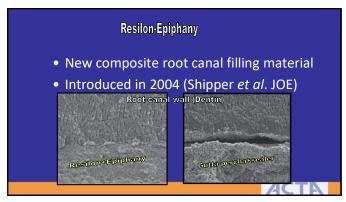
## In vitro studies

- Leakage/ " sealability"
- Microbiology
- Cytotoxicity



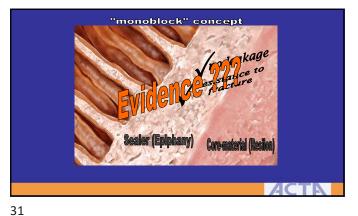
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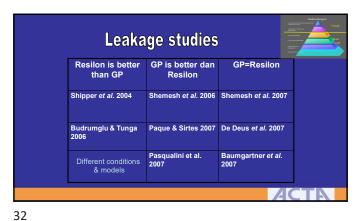
ACTA

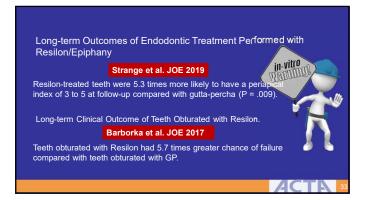




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 The most extensively studied · Surge of enthusiasm in the early '2000s Example: ultrasonic irrigation ACTA

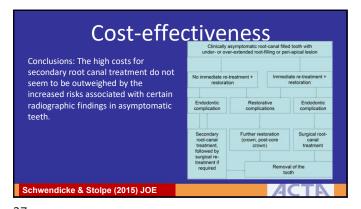
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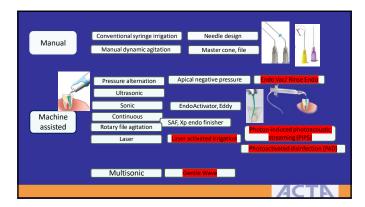
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Health economics "Although tooth loss may be financially 6. Health preferable to the patient in the short-**Economics** term, retaining teeth using root canal treatment is usually more cost-effective than the option of removing them and replacing them prosthodontically" (Pennington et al., 2009; Schwendicke & Herbst, 2023). ESE S3 guidelines 2023

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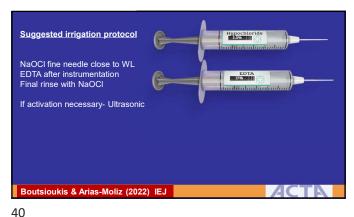


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So what should we do?

• As clinicians: follow the ESE guidelines till more relevant evidence is available

• As researchers: Try to choose research topics that are relevant to patients/ clinicians
(Christos will elaborate on methodology)



39 4