

"S*ystematic" review*

...is just a word!

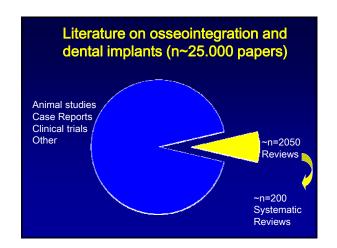
S.R. requires 5 qualifiers

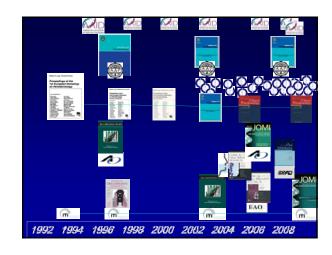
- 1. A question or hypothesis
- 2. All publications on the topic identified
- 3. Valid criteria to <u>include or exclude</u> the identified studies
- 4. <u>Relevant data</u> extracted, combined and compared
- 5. Conclusions based solely on the extracted data and the presence or absence of supporting evidence

Systematic Reviews - problems

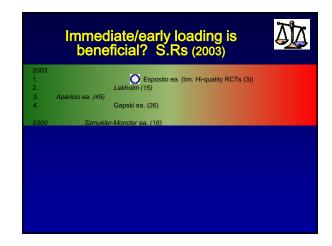
- The <u>selection of studies</u> to include will reflect the conclusions
- ➤ The <u>study methodology</u> aspects will reflect the conclusions
- There is a need to focus on studies with good methodological designs

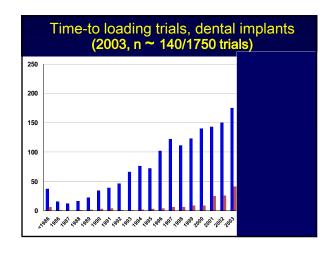
In other words: If garbage in garbage out

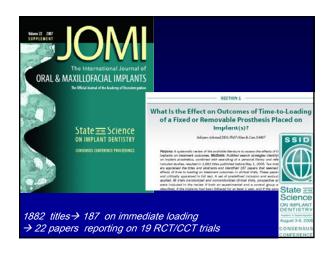








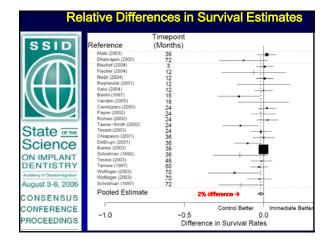


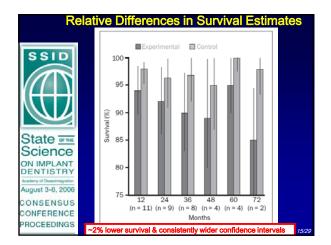


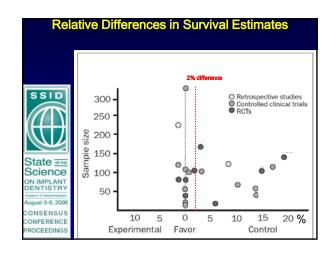
Clinical variables found to influence treatment outcome > Patient inclusion/exclusion criteria (e.g. host factors, smoking, parafunction, bone type, etc.) > State of dentition and intra-oral implant site > Number of implants to support the suprastructure > Design of implant-supported suprastructure > Clinical procedures (e.g. stage of healing following extraction, site preparation, torque, etc.) > Implant morphology (smooth, microrough, rough)

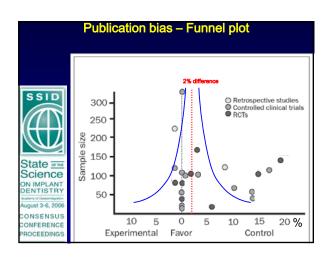
> Treatment outcome criteria

Observation period

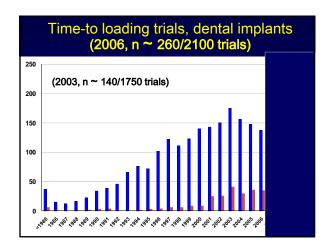


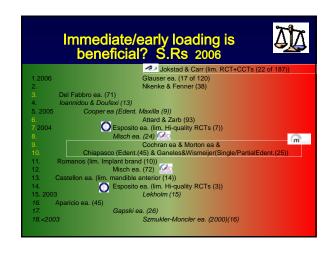


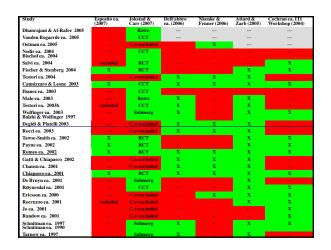


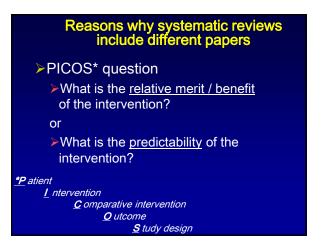












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	Relative merit	Predictability
1. High	High quality RCT with narrow confidence Interval	High quality Cohort study with <u>></u> 80% follow-up
2	Cohort study <u>or</u> low quality RCT - e.g. <80% follow-up	Retrospective cohort study <u>or</u> follow-up of control patients in an RCT
3.	Case-Control Study	
4.	Case-series (<u>or</u> poor quality cohort <u>or</u> case-control studies)	Case-series (or poor quality cohort studies)
5. Low	Expert opinion without explicit critical appraisal, or based on physiology, or bench research	Expert opinion without explicit critical appraisal, or based on physiology, or bench research

