



The CSG Outcomes Research Initiative (CSG-COUSIN)

Jochen Schmitt

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Scenario:

Trial shows no difference between new intervention and placebo.

"Clinical trials are only as credible as their endpoints." (OMERACT 1993)

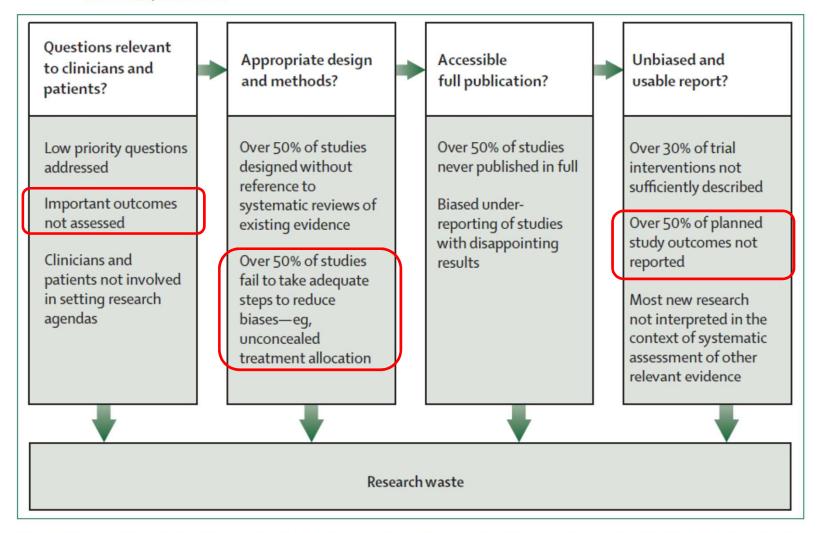
 Outcome measures used are not adeqate to detect the true effect of the intervention



Avoidable waste in the production and reporting of research evidence

Published Online June 15, 2009 DOI:10.1016/S0140-6736(09)60329-9

Iain Chalmers, Paul Glasziou



Outcome Assessment in Clinical Trials

- To measure WHAT matters
 - The relevant OUTCOME DOMAINS
- To measure with adequate INSTRUMENTS
 - I Validity, Reliability, Responsiveness, Sensitivity to change
- To define a STANDARD for cross-trial comparison
 - CORE SET to be used in all trials

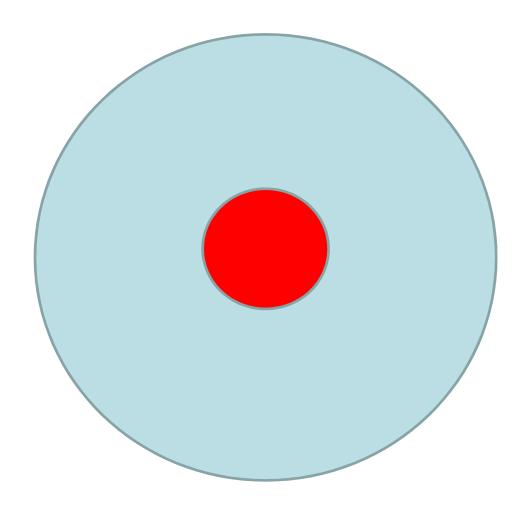
Items used to measure the **intensity of eczema lesions** in different measurement instruments

Scale	erythema	edema / papulation	oozing/ crusting	excoriation	licheni- fication	dryness	scaling	fissuring	vesicles	(de)pigmen- tation	flaking	bleeding	erosions
ADAM	•			•	•		•						
ADASI	•	•	•		•		•						
ADSI	•		•	•	•								
BCSS													
EASI	•	•		•	•								
FSSS	•	•	•	•	•	•							
IGADA	•	•	•	•	•		•						
Leicester	•			•	•	•		•					
NESS													
OSAAD	•		•	•	•								
POEM			•			•		•			•	•	
RL Score													
SA-EASI	•	•		•		•							
SASSAD	•		•	•	•	•		•					
SCORAD	•	•	•	•	•	•							
SIS	•					•							
SSS	•	•	•	•	•		•		•	•			
TBSA	•	•	•	•		•	•	•	•				
TISS	•	•		•									
WAZ-S	•	•	•				•		•	•			•

The outcome assessment barrier is an important EbM-threat

- Choice of outcome domains unclear
- Outcome domains highly heterogenious acoss trials
 - → Trials cannot be compared
 - → Meta-Analysis impossible
 - → Guideline recommendations remain vague
- I Measurement instruments heterogenious within same domain
- I Performance of **measurement instruments** unclear or inadequate
 - → Trials cannot be adequately interpreted
 - → Trial evidence not suitable to guide clinical decision making

Quality and harmonization of outcome assessment in trials needed to meet the goals of the Cochrane Collaboration





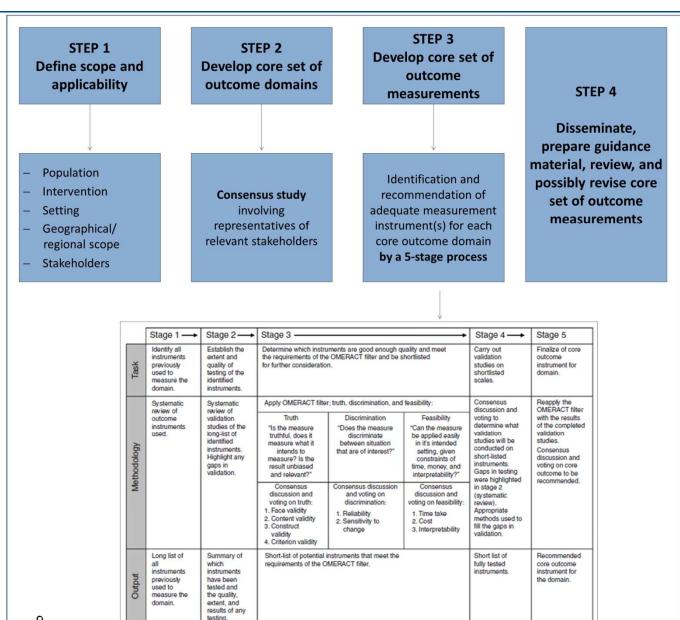


http://www.liv.ac.uk/nwhtmr/comet/comet.htm





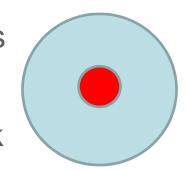
The HOME Roadmap





COS development and implementation

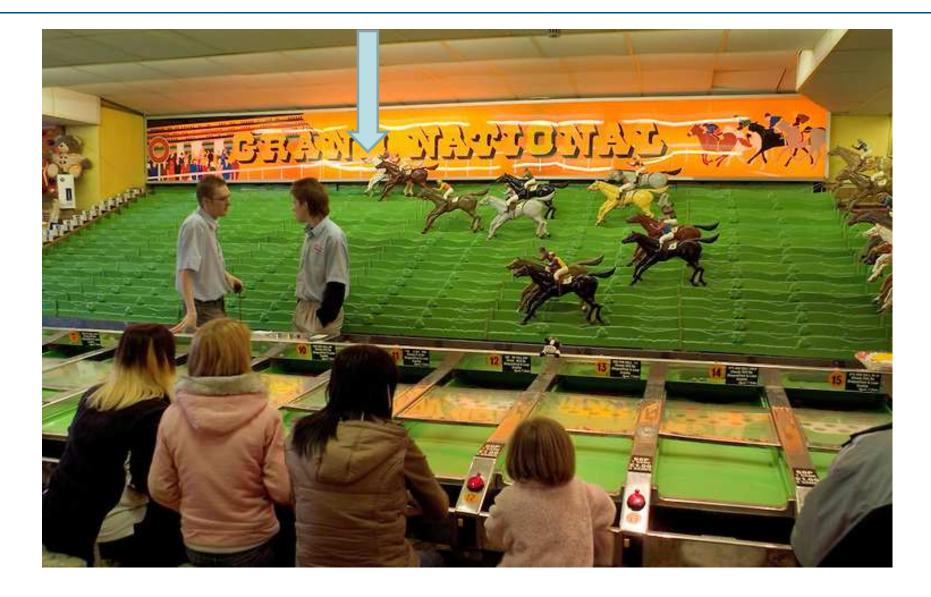
... requires the involvement of different stakeholders



I ... is not a straight forward process, but a lot of work

- I ... is currently en vogue
- I ... the quality of a COS may differ
- I... COS quality and reporting standards are missing
- 1... inappropriate COS will not resolve, but enforce the situation

Now dermatology tries to be the white horse in the game



The Cochrane Skin Group Core Outcomes Set Initiative

- Working group within the Cochrane Skin Group
- Proposed by Jochen Schmitt and Hywel Williams in 2014
- Official Kick-off today!
- Based at the Center for Evidence-based Healthcare Dresden
- Coordinated by Stefanie Deckert
- Open for everyone with an interest in outcomes research and evidence-based dermatology and with enthusiasm to develop and implement COS in dermatology

The Cochrane Skin Group Core Outcomes Set Initiative

- Mission: To develop and implement COS in dermatology in order to improve and standardize outcome measurement in clinical trials to make trial evidence more useful for clinical decision making.
- To develop standardized, evidence-based and consensus derived disease specific COS in dermatology for inclusion in all clinical trials.
- To apply and further develop the HOME roadmap
- To provide methodological input for COS developers and Cochrane reviewers
- To collect and disseminate dermatology core outcome sets

Choosing inappropriate outcomes in clinical trials may lead to "wasted resources or misleading information which either overestimates, underestimates, or completely misses the potential benefits of an intervention." (Sinah et al. PLoS Med 2008)