



sharing summaries of evidence for decision making

#### DATABASE OF EVIDENCE PROFILES

Jan Brozek • Yngve Falck-Ytter • Pawel Kunstman Jörg Meerpohl • Artur Nowak • Nancy Santesso • Holger Schünemann AUG :

21

#### Disclosure of Interests (last 3 years): Jan Brozek

I certify that, to the best of my knowledge, no aspect of my current personal or professional situation might reasonably be expected to affect significantly my views on the subject on which I am presenting.

... except for:

# Isclosure

- GRADE working group
- Cochrane Collaboration
- GRADEpro » GDT
- > ATS + other groups
- No direct/personal for profit payments



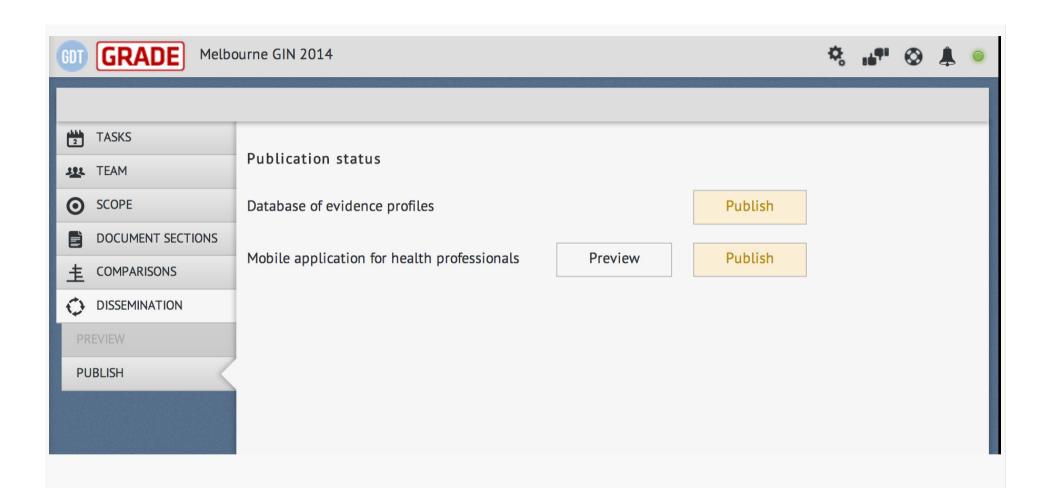
## DECIDE

GRADE



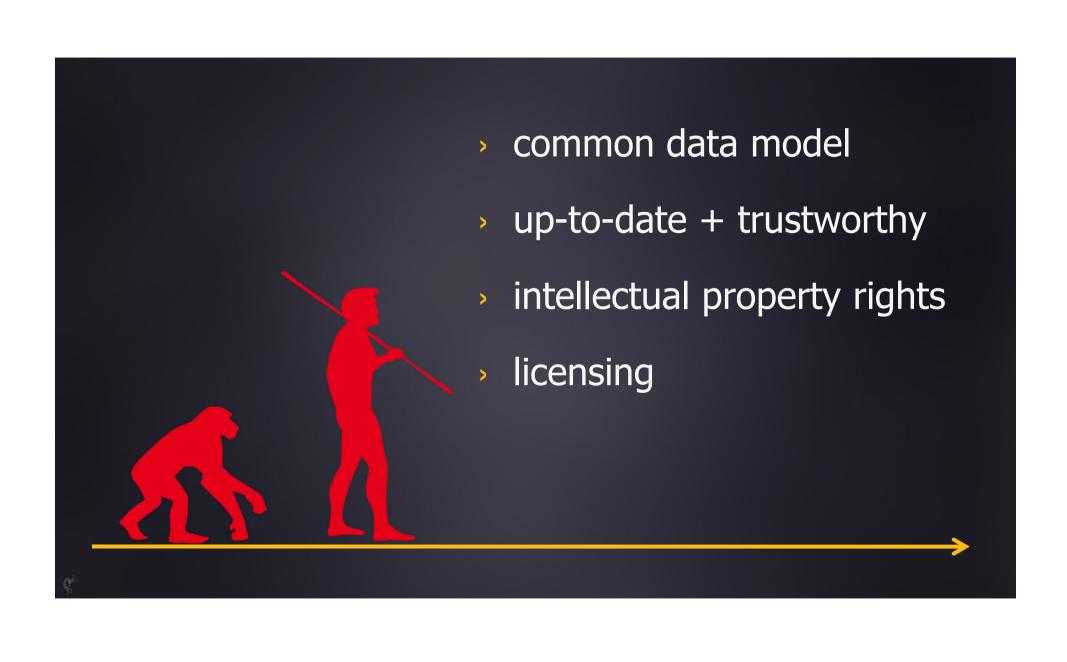
## free sharing of evidence summaries





search

- use for adaptation/development
- derivative products (textbooks, EMRs, etc.)



## DBEP

#### **Database of Evidence Profiles**





#### Search for evidence profiles

Q Search Should intervention vs. comparison be used for/in population? ...or try example query Search within the whole profile





Open in new window

#### Should prophylactc dose heparin vs. no prophylaxis be used in patients with hemorrhagic stroke?

Recommendation										
KSA Saudi Expert Panel members suggest using prophylactic dose heparin in patients with hemorrhagic stroke and restricted mobility.										
Key info Rationale Practical advice References										
Benefits and harms										
No data for patients with ICH, we extrapolated from data on ischemic stroke. Low quality of evidence suggests that prophylactic dose heparin did not increae the risk of death or rebleeding. Moderate and low quality evidence suggested that the use of prophylactic dose heparin reduce the risk of PE and symptomatic DVT (respectively) when compared to no prophylaxis, with no change in the risk of rebleeding.										
Quality of evidence										
Low										
GRADE evidence profile  Summary of Findings table										

#### Author(s):

Question: Should prophylactic dose heparin vs. no prophylaxis be used in patients with hemorrhagic stroke?

Bibliography (systematic reviews):

Quality assessment							Nº of patients		Effect			
Nº of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	prophylactc dose heparin	no prophylaxis	Relative (95% CI)	Absolute (95% CI)	Quality	Importance
Motality												
2	randomised trials	serious <sup>4 5</sup>	not serious	not serious	serious <sup>6</sup>	none	/114 <sup>3</sup>	400/1000 (40.0%) <sup>2</sup>	<b>RR 1.05</b> (0.46 to 2.36)	20 more per 1000 (from 216 fewer to 544 more)	<del>О</del> ОО	
Pulmonary Embolism												
8	randomised trials	not serious	not serious	not serious	serious 56910	none	/10681 <sup>8</sup>	16/1000 (1.6%) <sup>I</sup>	RR 0.7 (0.47 to 1.03) <sup>8</sup>	5 fewer per 1000 (from 0 fewer to 8 fewer)	⊕⊕⊕ MODERATE	
Symptomatic DVT												
8	randomised trials	not serious	serious 56910	not serious	serious <sup>11</sup>	none	/914 <sup>8</sup>	48/1000 (4.8%) <sup>I</sup>	RR 0.31 (0.21 to 0.42) <sup>B</sup>	33 fewer per 1000 (from 28 fewer to 38 fewer)	<del>О</del> ОО LOW	
Rebleeding												
3	randomised trials	serious <sup>1</sup>	not serious	not serious	serious <sup>1</sup>	none	/189 <sup>14</sup>	10/1000 (1.0%) <sup>12</sup>	RR 0.24 (0.05 to 1.13) <sup>13</sup>	8 fewer per 1000 (from 1 more to 10 fewer)	<del>О</del> ОО LOW	

#### MD - mean difference, RR - relative risk

- 1. No explanation was provided
- 2. Baseline risk of mortality is derived from: Lancet Neurol. 2010;9(2):167-76
- 2. Described Orken 2009 from this analysis given the control group received compression stockings which is a confounding factor

  4. Allocation: unclear whether concealed in both studies (Boeer 1991; Dickmann 1988). Unclear whether ITT analysis in both studies. None of the 2 studies stopped early for benefit. None of the studies reported blinding patients.
- 95% Cl includes both 1) no effect and 2) appreciable benefit or appreciable harm
- 6. Fewer than 300 events occurred.
- b. Fewer trans 300 events occurred.

  7. Baseline fasks derived from the control arm of CLOTS. Patients included in the trial were judged representative of the population of stroke patients with restricted mobility. Indeed, CLOTS used few exclusion criteria: patients with peripheral vascular disease, those with diabetic or sensory neuropathy in whom GCS was might cause skin damage; those with subarachnoid haemormage

  8. Indirect data from studies of the effects of heparin on DVT and PE in patients with ischemic stroke (See corresponding EP).

  9. IST is the dominant study in the meta-analysis. In IST allocation was concealed, outcome assessors were blinded; flu-99%; study not stopped early for benefit; not clear whether analysis was ITT.

- 10. Although relative risks for PE and DVT are taken form studies of patients with ischemic stroke, we judged that the indirectness is not significant enough to warrant rating down the qualify of the evidence.
- 10. Authors relative living of the control of the c
- 13. Incinered evidence from an observational study (Waisay JPMA 05:304;2005); volve incinence in removed members of the studies (Sher 2009) (LMMH stanted Vallers aftered Vallers after Vallers valler
- however none of them had hematoma enlargement after randomization (author contact). None of the studies reported blinding patients. Only one study (Orken 2009) reported blinding assessors of bleeding outcome.



#### dbep@evidenceprime.com

www.guidelinedevelopment.org