

2nd AME Italian Meeting

Associazione Medici Endocrinologi

Joint Meeting with AACE

American Association of Clinical Endocrinologists

Reggio Emilia, Italy - November 8-10, 2002



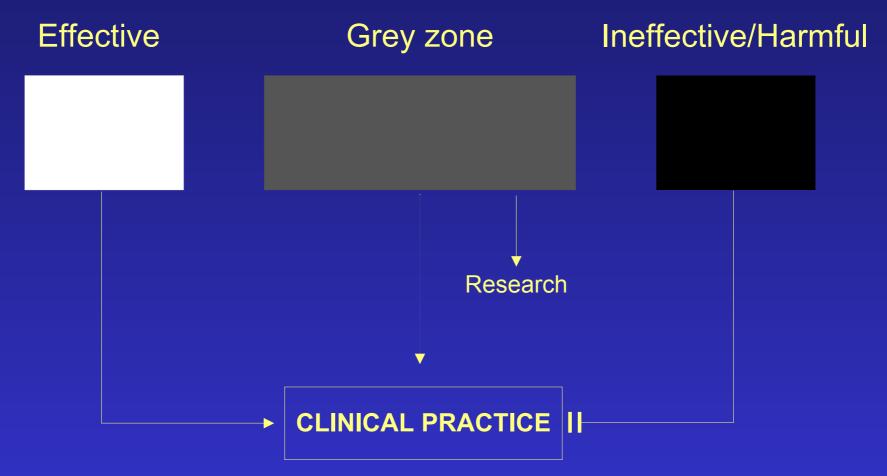
Clinical Symposia Methodological Issues

Chairman

Antonino Cartabellotta (Palermo, Italy)

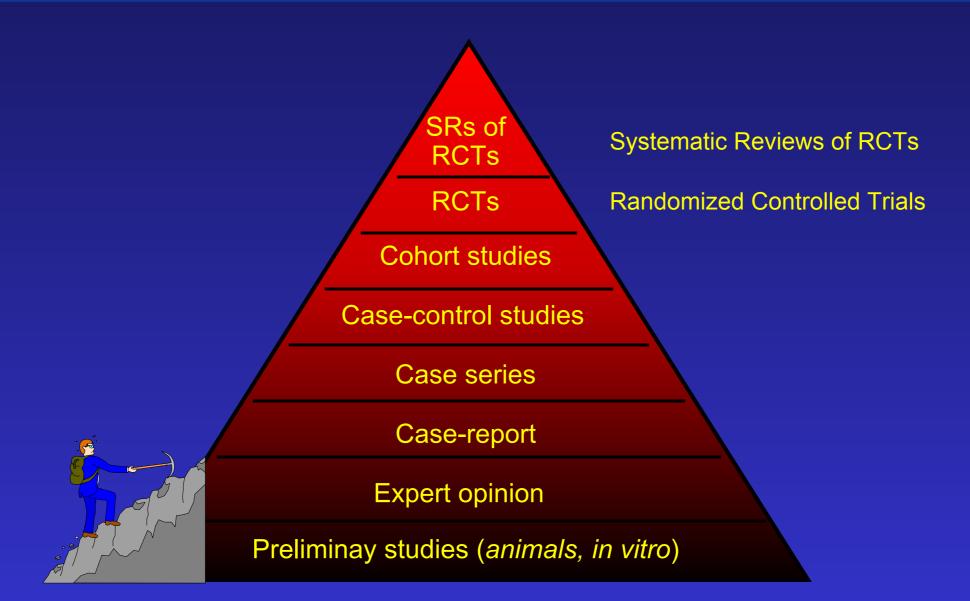
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Effectiveness of Health Interventions



Cartabellotta A, et al. Ann It Med Int 1996

Hierarchy of Evidence



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Levels of evidence

- 1⁺⁺ High quality meta-analyses, systematic reviews of randomised controlled trials (RCTs), or RCTs with a very low risk of bias
- 1⁺ Well-conducted meta-analyses, systematic reviews of RCTs, or RCTs with a low risk of bias
- 1 · Meta-analyses, systematic reviews of RCTs, or RCTs with a high risk of bias
- 2** High quality systematic reviews of case control or cohort studies
 High quality case control or cohort studies with a very low risk of confounding or bias
 and a high probability that the relationship is causal
- 2⁺ Well-conducted case control or cohort studies with a low risk of confounding or bias and a moderate probability that the relationship is causal
- 2 Case control or cohort studies with a high risk of confounding or bias and a significant risk that the relationship is not causal
- 3 Non-analytic studies, e.g. case reports, case series
- 4 Expert opinion

Grades of recommendations

A At least one meta-analysis, systematic review of RCTs, or RCT rated as 1⁺⁺ and directly applicable to the target population; or

A body of evidence consisting principally of studies rated as 1⁺, directly applicable to the target population, and demonstrating overall consistency of results

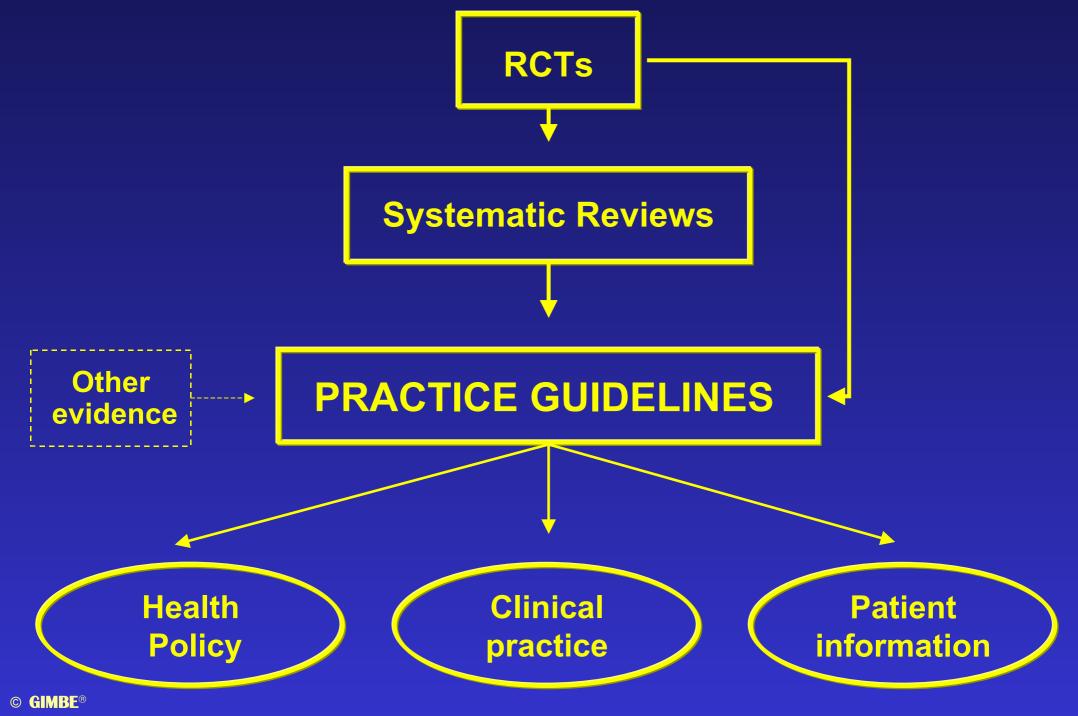
B A body of evidence including studies rated as 2⁺⁺, directly applicable to the target population, and demonstrating overall consistency of results; or

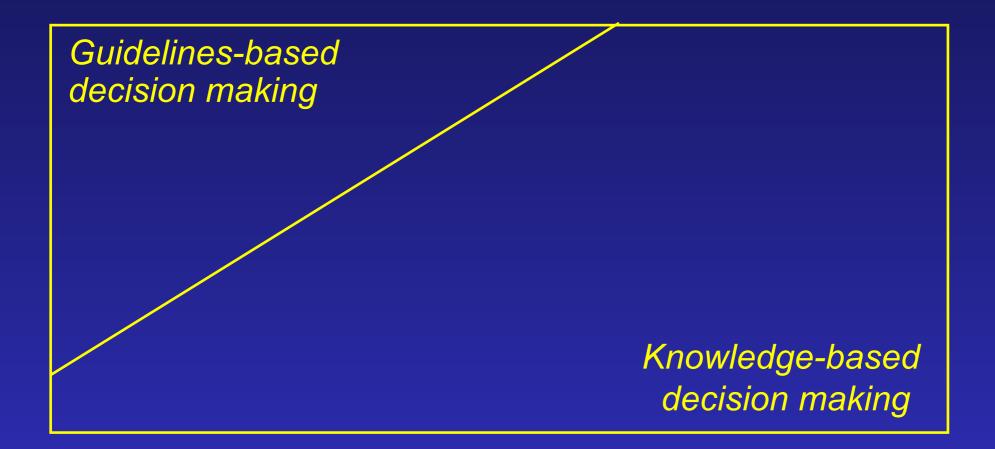
Extrapolated evidence from studies rated as 1++ or 1+

C A body of evidence including studies rated as 2⁺, directly applicable to the target population and demonstrating overall consistency of results; or
 Extrapolated evidence from studies rated as 2⁺⁺

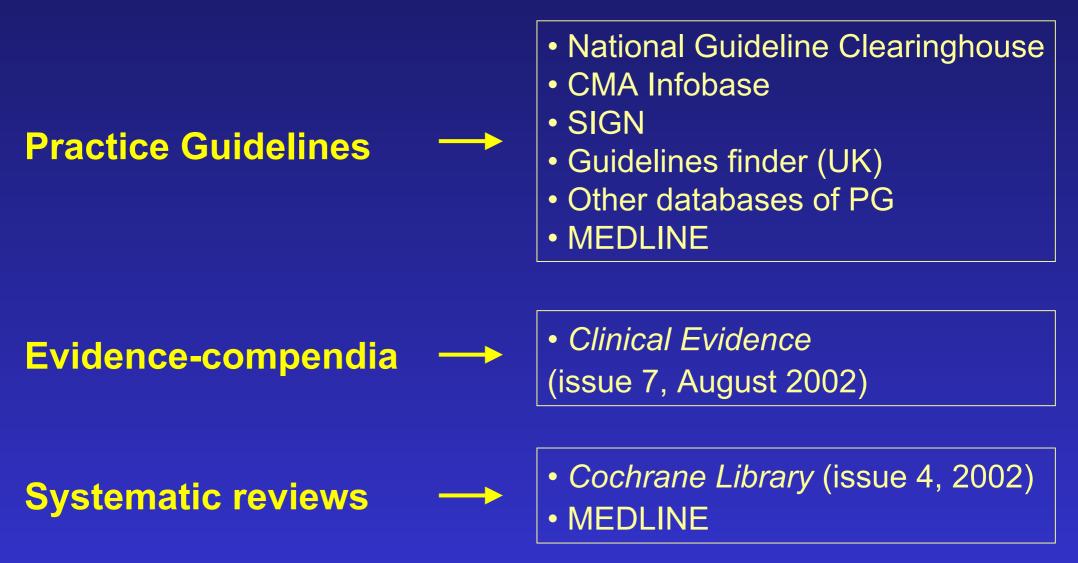
D Evidence level 3 or 4; or

Extrapolated evidence from studies rated as 2+





1. Searching: pre-appraised sources



1. Searching: primary studies

Randomized Controlled Trials Observational studies





2. Critical Appraisal

Users' Guide to Biomedical Literature

JAMA 1993-2000

AGREE Instrument (Final version, September 2001)

www.agreecollaboration.org

Clinical Symposia Format

- Presentation of clinical scenario and relevant questions 10'
- Remote control vote 5'
- Evidence-based data presentation 15'

 Comments of experts on topic-answers provided by 15' the audience and on grey zones and clinical applicability of evidence

15'

Open discussion and final remarks

The Electronic Library is free available at:

www.gimbe.org/eventi/ame_aace