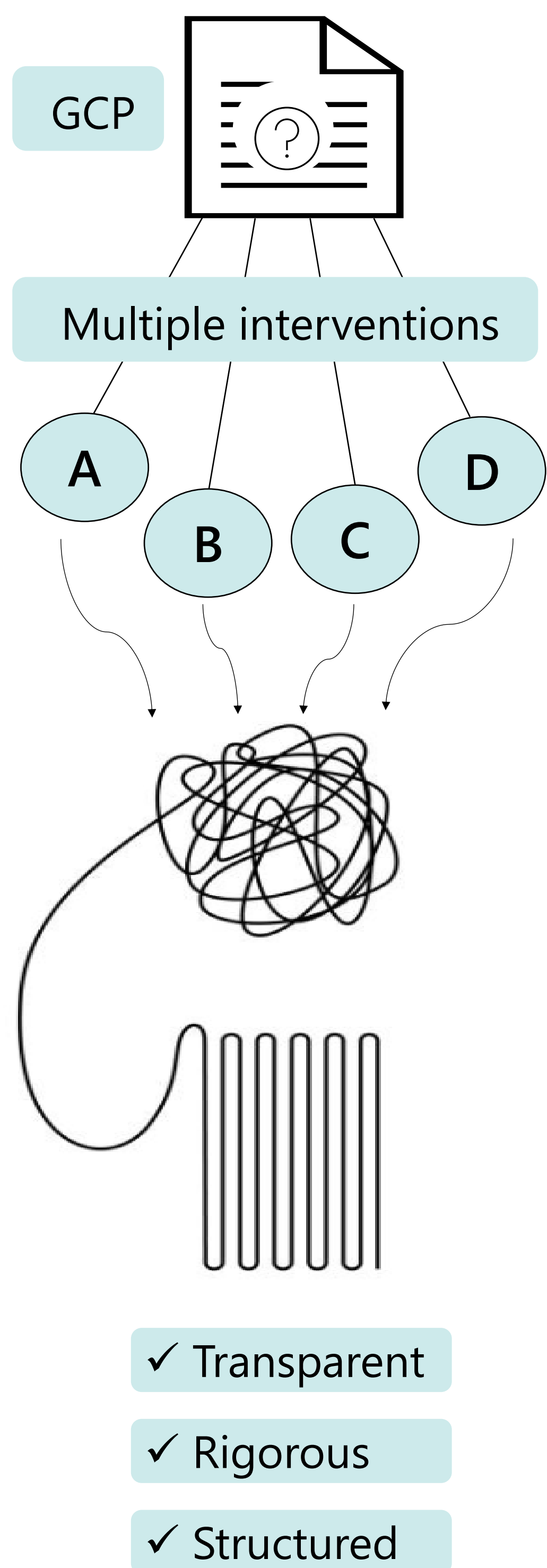


# THE EVIDENCE-TO-DECISION FRAMEWORK FOR MULTIPLE-INTERVENTION COMPARISONS

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## Background

- During guideline development, the assessment of multiple interventions for a single question is a complex process
- Challenges include difficulties in data synthesis, side-by-side presentation, and interpreting effectiveness results

## Objective

- To develop an EtD framework and guidance for multiple-intervention comparisons

## Methods

- After compiling several guideline groups' experiences, the initial prototype was iteratively improved, based on feedback gathered, during group discussions (both online and face-to-face)

The GRADE working group developed guidance on using the **evidence-to-decision framework for multiple-intervention comparisons (MC-EtD)** to evaluate three or more interventions for a single question



To learn more about the MC-EtD...

## Results

- Main sections: Question, Assessment, MC-Summary of Judgments, and Recommendations
- In the Assessment section, we included **13** criteria
- **Net effect criterion:** NEW! Evaluates the relationship between desirable and undesirable health effects for each intervention
- All interventions are assessed versus a (*common*) comparator across EtD criteria
- **MC Summary of Judgments:** Summarizes appraisals enabling a relative comparison, and clustering of interventions by preference
- **Recommendations** are formulated considering the clusters of preference ± rankings
- **GRADEpro GDT** has developed a module for the MC-EtD

EVIDENCE-TO-DECISION FRAMEWORK FOR MULTIPLE-INTERVENTION COMPARISONS (MC-ETD)								
QUESTION								
ASSESSMENT								
1 Problem								
2 Desirable effects								
3 Undesirable effects								
4 Net effect <span style="float: right;">▲</span>								
Intervention	Outcomes (Optional display)					Desirable effects	Undesirable effects	Net effect
	Mortality	Disability	Relapse	MRI	Adverse events			
Azathioprine	Small Desirable	Large Desirable	Large Desirable		Trivial Undesirable	Large desirable	Trivial undesirable	Large net desirable
MTX		Large Desirable	Trivial Undesirable		Trivial Desirable	Large desirable	Trivial undesirable	Large net desirable
Interferon1a	Trivial Undesirable	Small Desirable	Small Undesirable	Large desirable	Moderate Undesirable	Large desirable	Moderate undesirable	Small net desirable
Rituximab	Trivial Desirable	Moderate Desirable	Trivial Desirable		Trivial Undesirable	Moderate desirable	Trivial undesirable	Moderate net desirable
Fingolimod	Trivial Desirable				Trivial Undesirable	Small desirable	Trivial undesirable	Small net desirable
Interferon 1b	Trivial Undesirable	Moderate Desirable	Small Desirable		Trivial Desirable	Moderate desirable	Small undesirable	Moderate net desirable
5 Values								
6 Balance of effects								
7 Certainty of evidence								
8 Resources required								
9 Certainty of evidence of required resources								
10 Cost-effectiveness								
11 Equity								
12 Acceptability								
13 Feasibility								
MULTIPLE-INTERVENTION COMPARISON SUMMARY OF JUDGMENTS <span style="float: right;">▲</span>								
	Azathioprine	Fingolimod	Rituximab	Interferon beta 1a	Interferon beta 1b	MTX		
Balance of effects	Probably favours the intervention	Probably favours the intervention	Probably favours the intervention	Probably favours the intervention	Probably favours the intervention	Probably favours the intervention		
Resources required	Moderate costs	Large costs	Large costs	Large costs	Large costs	Negligible costs/savings		
Cost effectiveness	No included studies	No included studies	No included studies	Varies	Varies	No included studies		
Equity	Probably increased	Probably reduced	Probably increased	Probably no impact	Probably no impact	Probably no impact		
Acceptability	Yes	Probably yes	Probably yes	Probably yes	Probably yes	Yes		
Feasibility	Yes	Probably yes	Probably yes	Probably yes	Probably yes	Yes		
Cluster by recommendation type	Conditional in favour	Conditional in favour	Conditional in favour	Conditional in favour	Conditional in favour	Conditional in favour		
Relative comparison	Less preferred intervention(s)	Preferred intervention	Preferred intervention	Preferred intervention	Preferred intervention	Less preferred intervention(s)		
RECOMMENDATIONS								