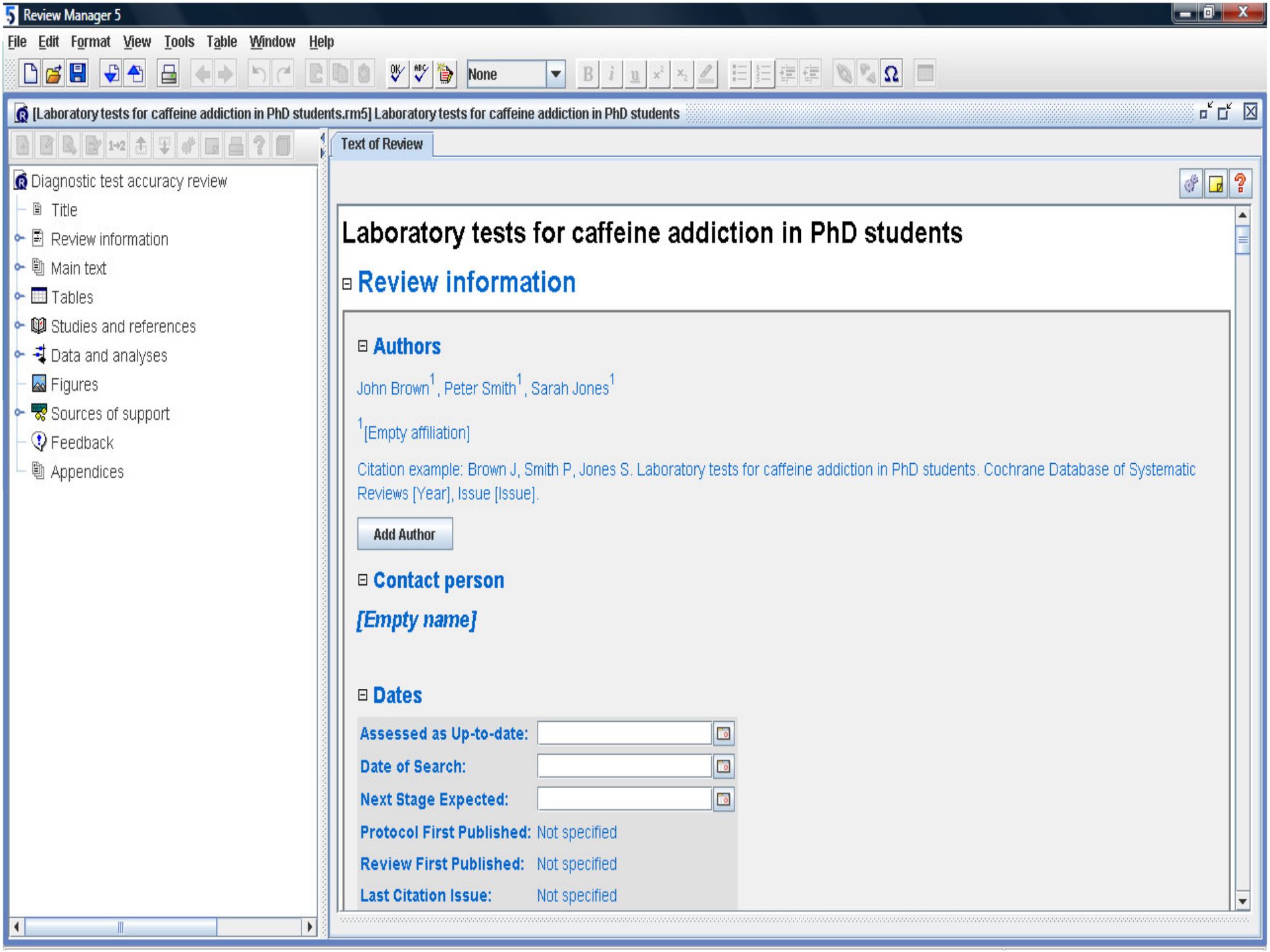
Structure of a DTA Review

Mariska Leeflang, PhD
Dutch Cochrane Centre

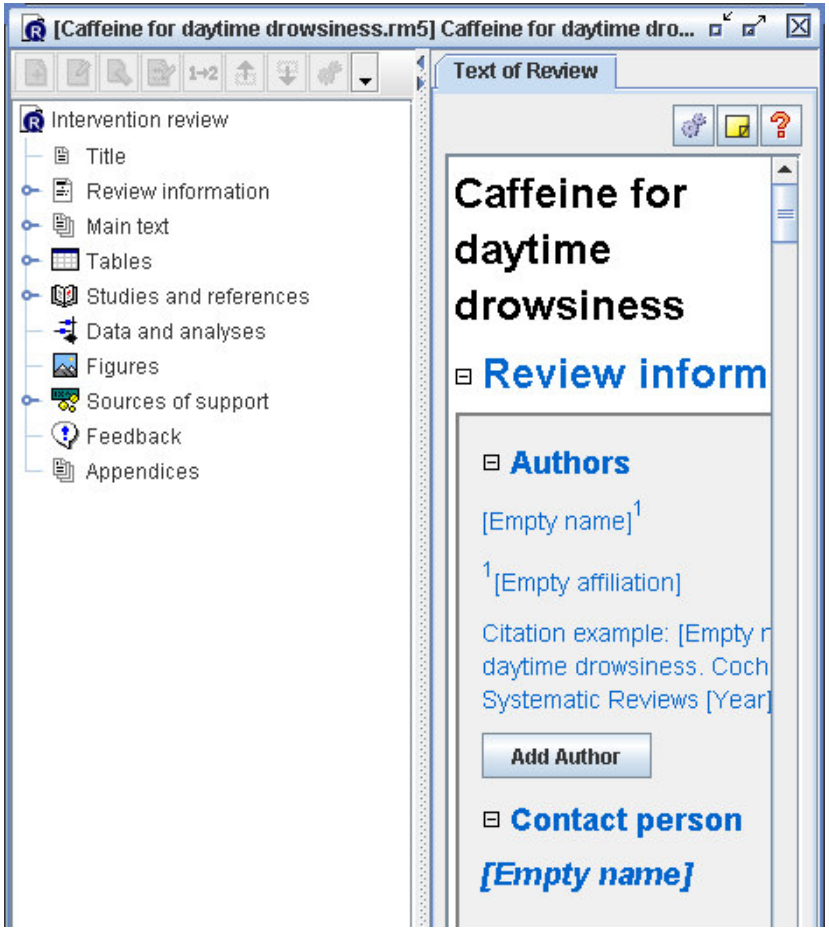
Copenhagen
26 February 2009

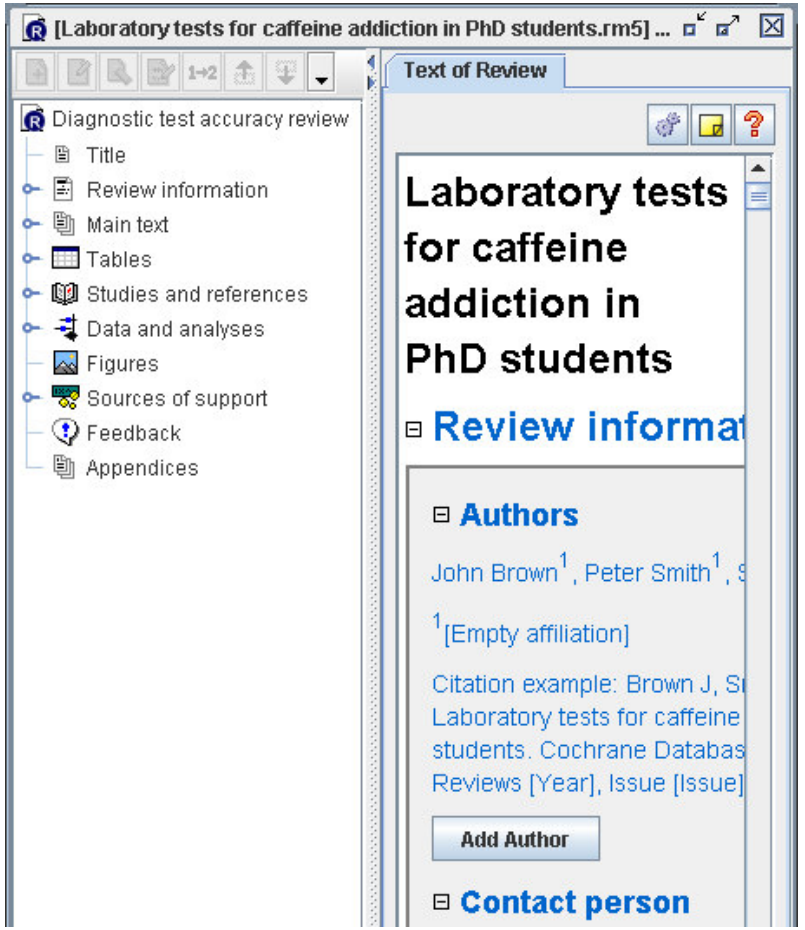
Diagnostic Test Accuracy Reviews

- Question formulation
- Identification of studies
- Selection of relevant studies
- Quality assessment
- Data-extraction
- Data analysis
- Presentation and interpretation of results

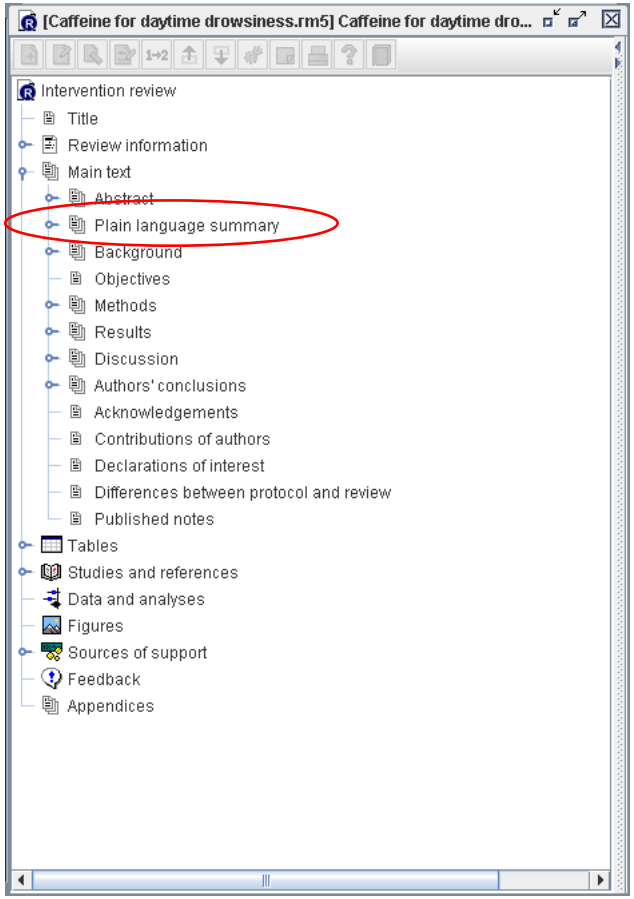

Review Manager 5
File Edit Format View Tools Table Window Help
None
[Laboratory tests for caffeine addiction in PhD students.rm5] Laboratory tests for caffeine addiction in PhD students
Diagnostic test accuracy review
Title
Review information
Main text
Tables
Studies and references
Data and analyses
Figures
Sources of support
Feedback
Appendices
Text of Review
Laboratory tests for caffeine addiction in PhD students
Review information
Authors
John Brown[1], Peter Smith[1], Sarah Jones[1]
[1][Empty affiliation]
Citation example: Brown J, Smith P, Jones S. Laboratory tests for caffeine addiction in PhD students. Cochrane Database of Systematic Reviews [Year], Issue [Issue].
Add Author
Contact person
[Empty name]
Dates
Assessed as Up-to-date:
Date of Search:
Next Stage Expected:
Protocol First Published: Not specified
Review First Published: Not specified
Last Citation Issue: Not specified

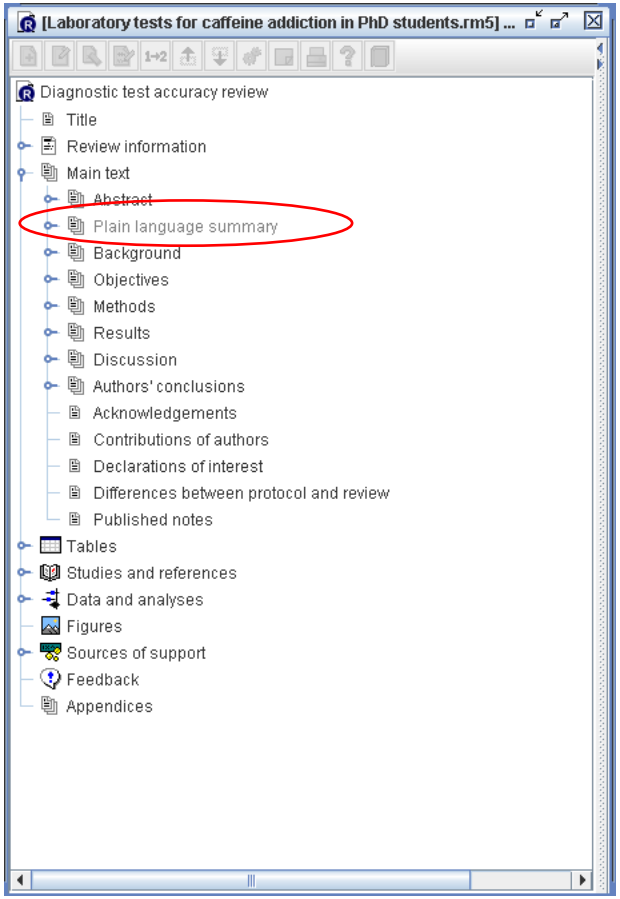
Intervention vs. Diagnostic



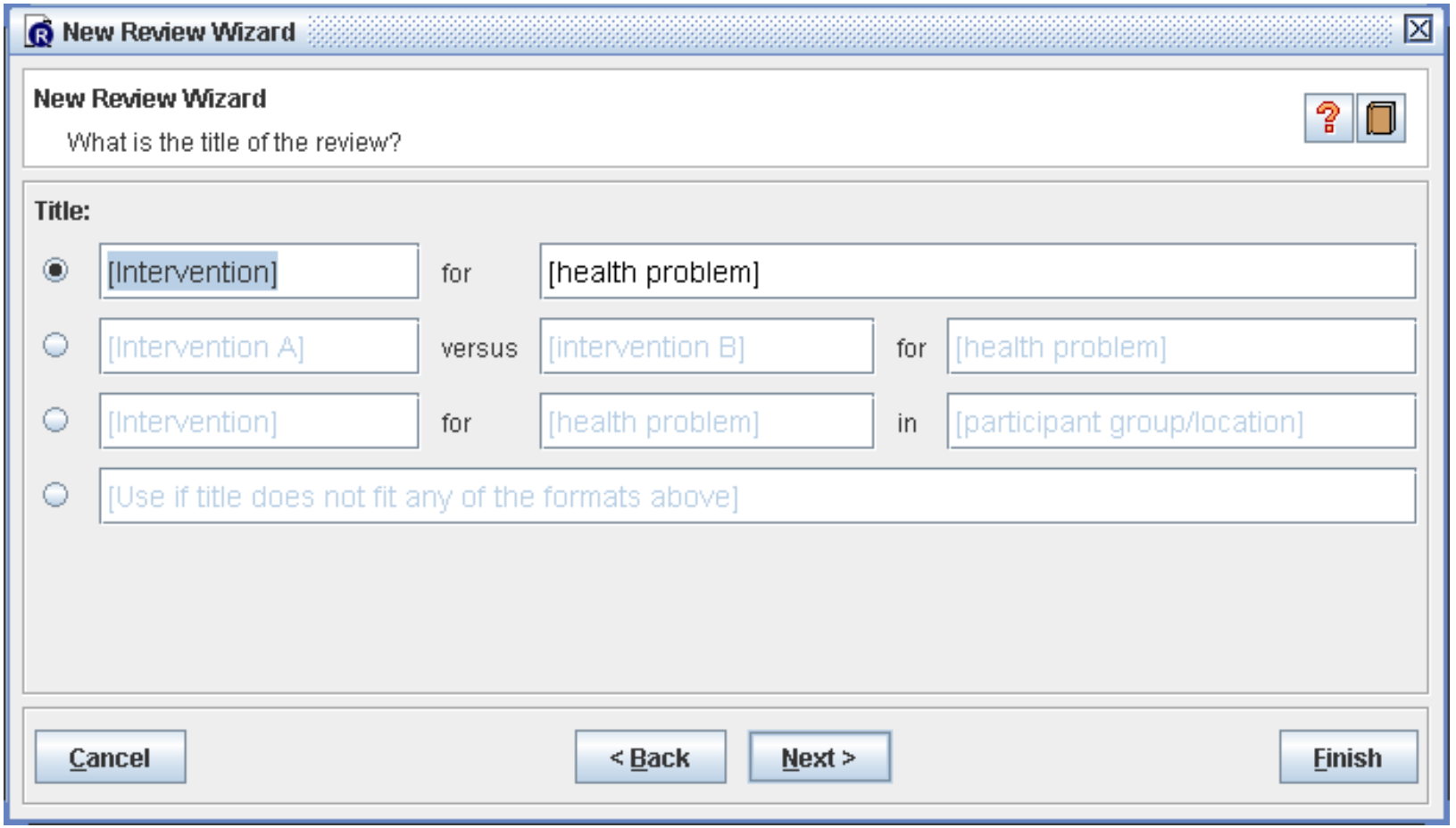


Intervention vs. Diagnostic

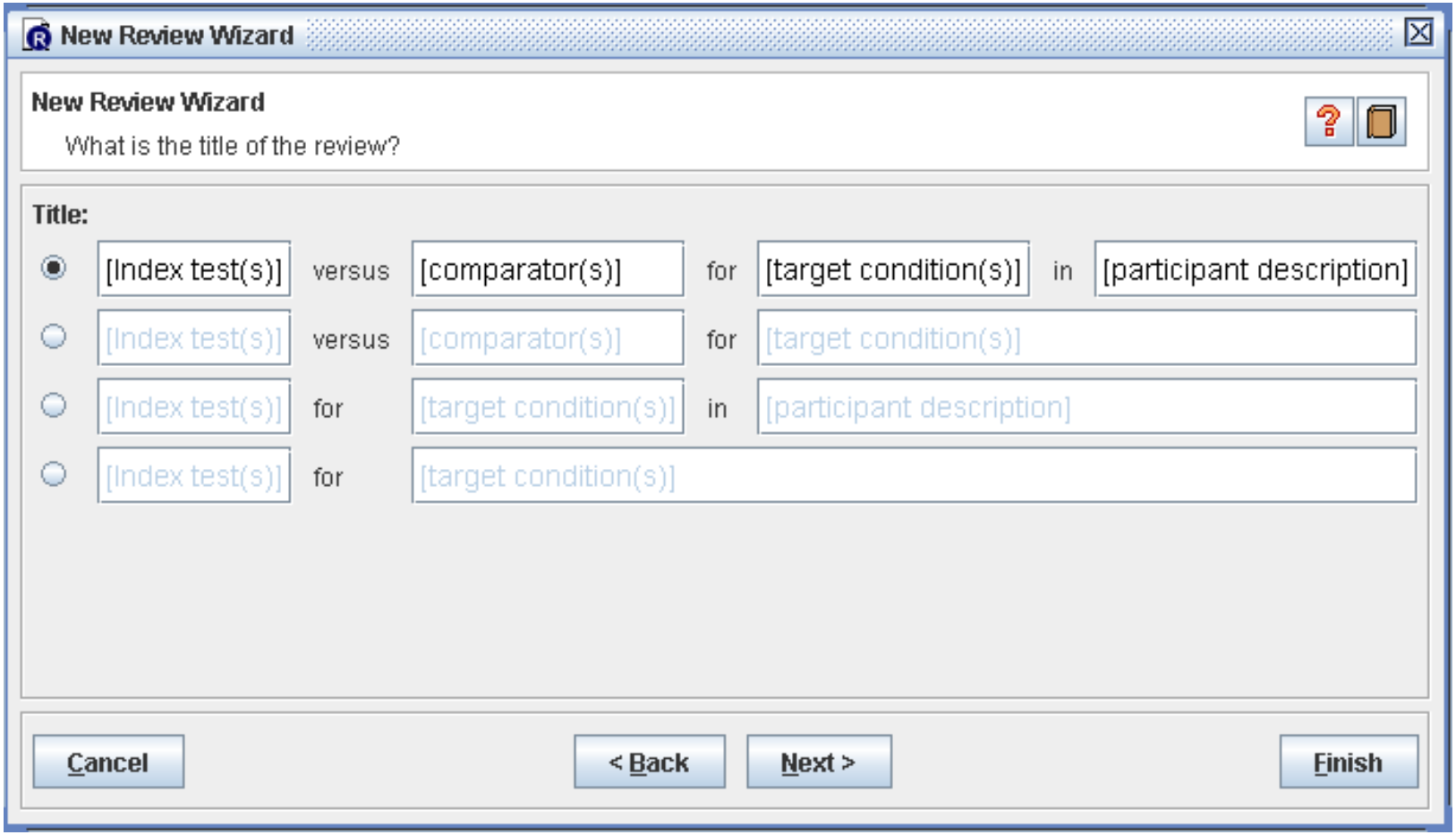




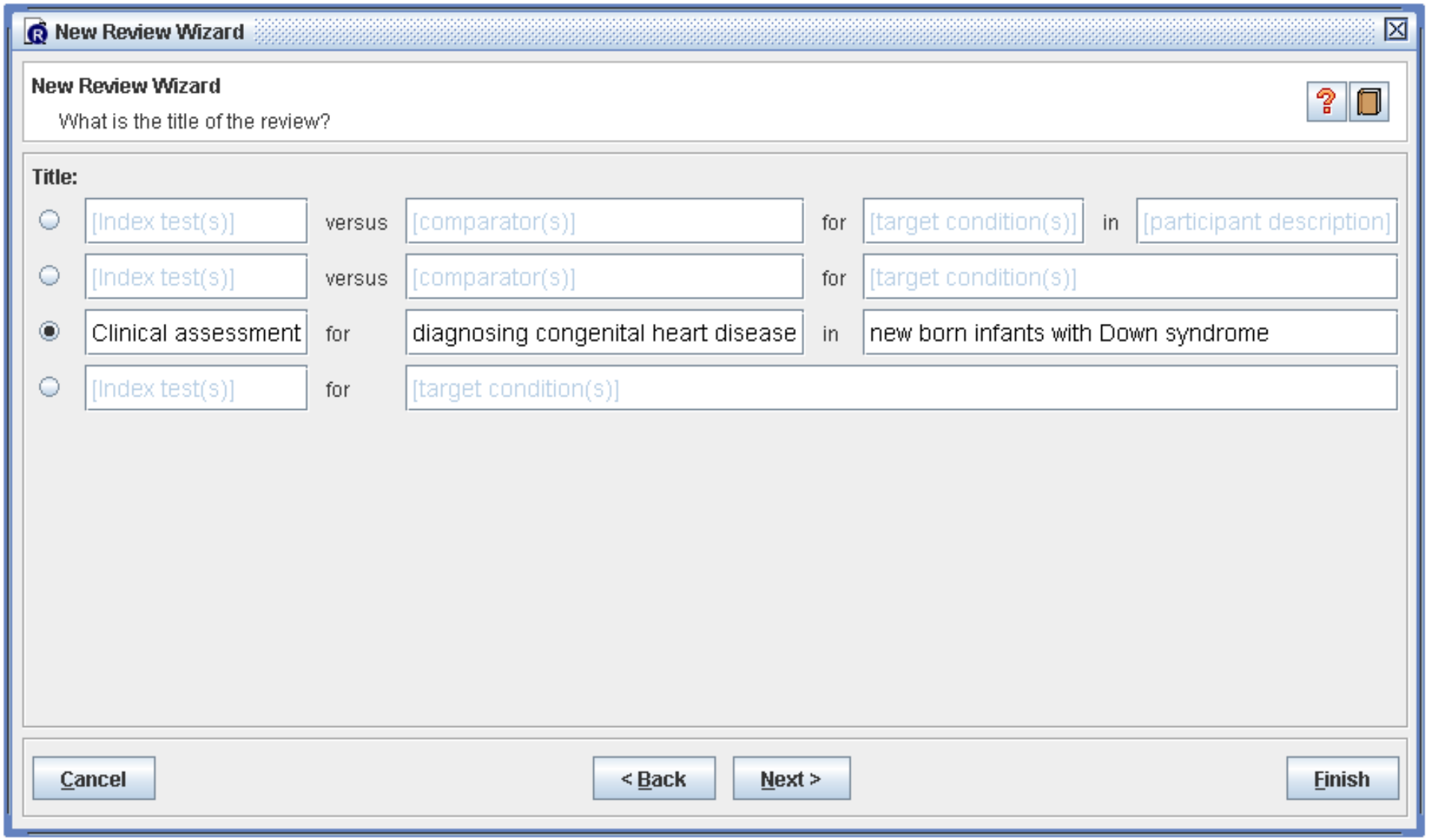
Titles intervention reviews



Titles DTA Reviews



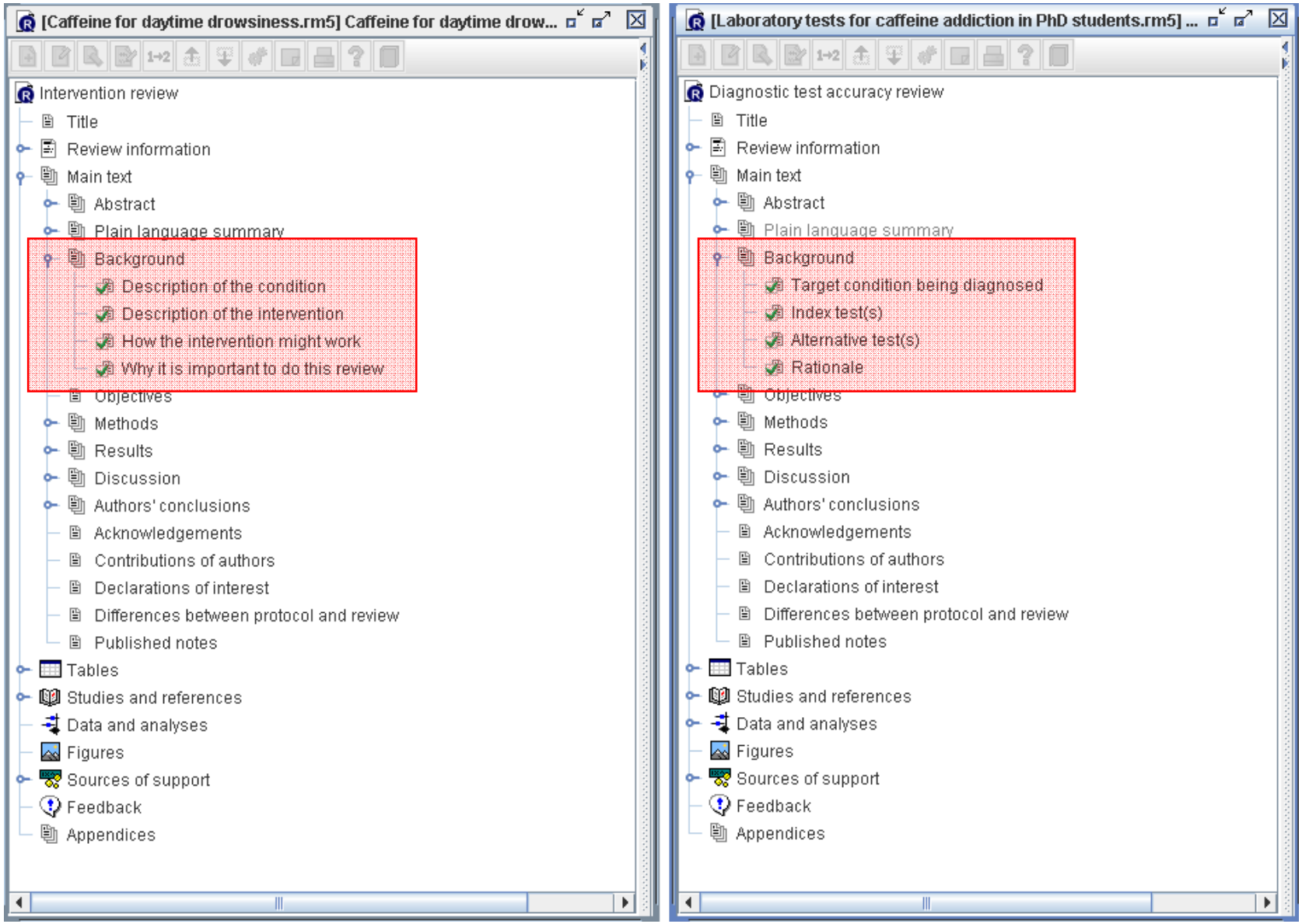
Example of title



Exercise: the right title format?

- Diagnostic accuracy of image-guided biopsy in indeterminate renal masses.
- Physical examination for lumbar radiculopathy due to disc herniation in patients with low-back pain.
- Cell-free fetal DNA for non-invasive prenatal diagnosis of sex.

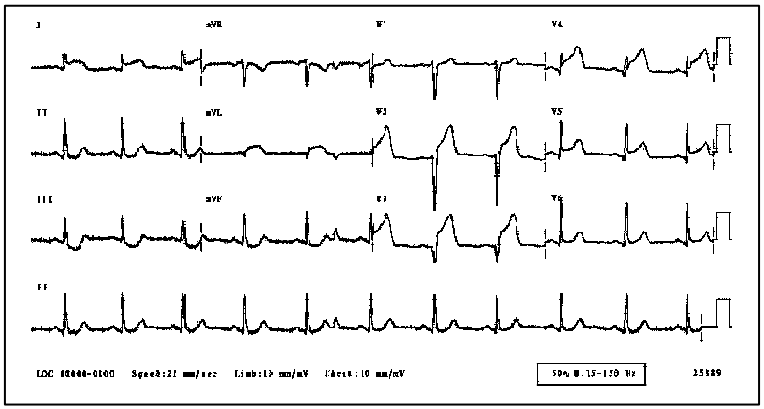
Text of Review - Background



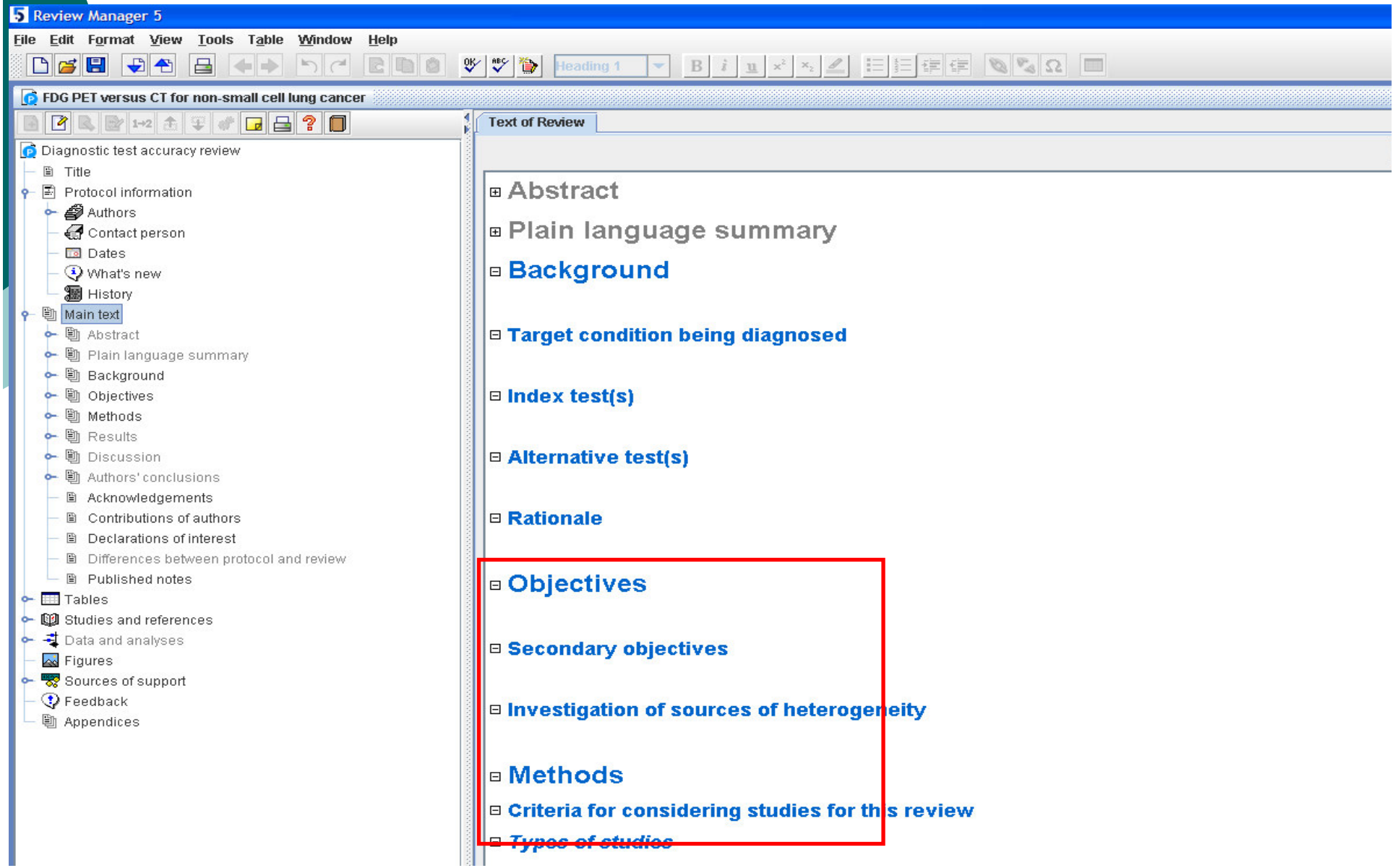
Background

- Target condition being diagnosed
  - A description of the target condition of interest (frequency, severity, prognosis and possible treatments).
- Index test
  - A description of the index tests that are being evaluated in this review, including current use and intended roles
- Alternative test
  - Possible tests and strategies that are used in clinical practice, irrespective of whether they are evaluated in this review.
- Rationale

Example?



Text of Review



Objectives (example)

Clinical assessment for diagnosing congenital heart disease in newborn infants with Down syndrome

– Protocol for Cochrane Review of Diagnostic Test Accuracy –

William McGuire, Peter W Fowlie, and Johannes B Reitsma

OBJECTIVES

Primary objectives

The objective of this review is to assess the accuracy of clinical assessment in diagnosing congenital heart disease in newborn infants with Down syndrome and specifically to determine how well the absence of abnormal findings on clinical assessment rules out a diagnosis in newborn infants with Down syndrome.

THE COCHRANE COLLABORATION®

Question formulation

Objective of a DTA SR can be

- To make comparisons between tests concerning their global accuracy
- To estimate the accuracy of a test operating at a particular threshold
- To understand why results of studies vary

Components of a question

- For intervention reviews
  - **P**atients
  - **I**ntervention
  - (**C**omparative intervention)
  - **O**utcome

Components of a question

- For diagnostic test accuracy reviews
  - **P**atients
  - **I**ndex test
  - (**C**omparator test)
  - **T**arget disorder

Components of a question

- For diagnostic test accuracy reviews
  - **P**atients
  - **P**resentation
  - **P**rior tests

  - **I**ndex test
  - (**C**omparator test)
  - **P**urpose

  - **T**arget disorder
  - **R**eference standard

Index and comparator tests

- The **index test** is the "new" test we wish to evaluate. A review may consider and compare several index tests.

- The **comparator test** is the alternative diagnostic management strategy which is standard practice and with which we would like to make comparisons

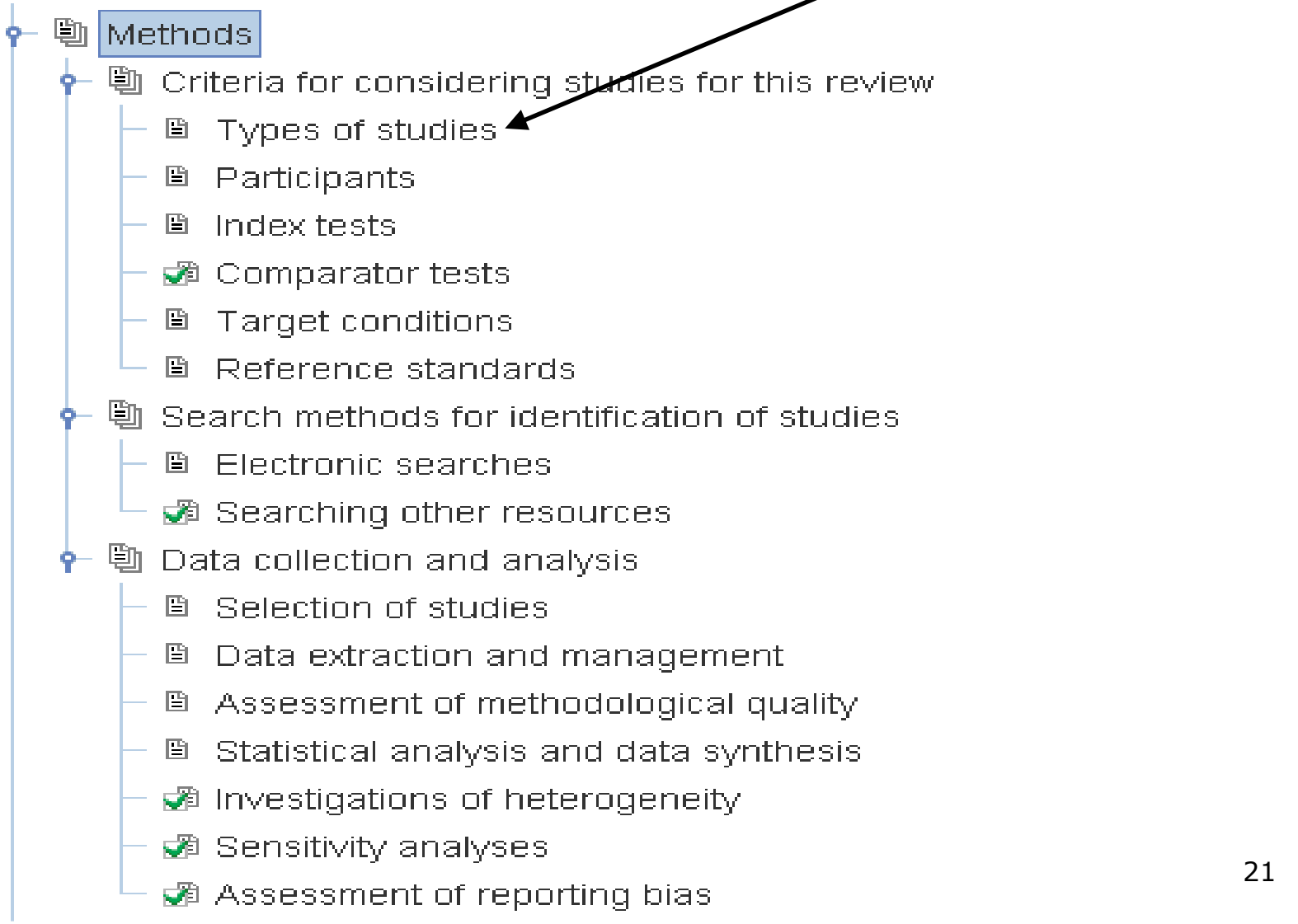
Target condition and reference standard

- Target disease is the condition we are trying to diagnose

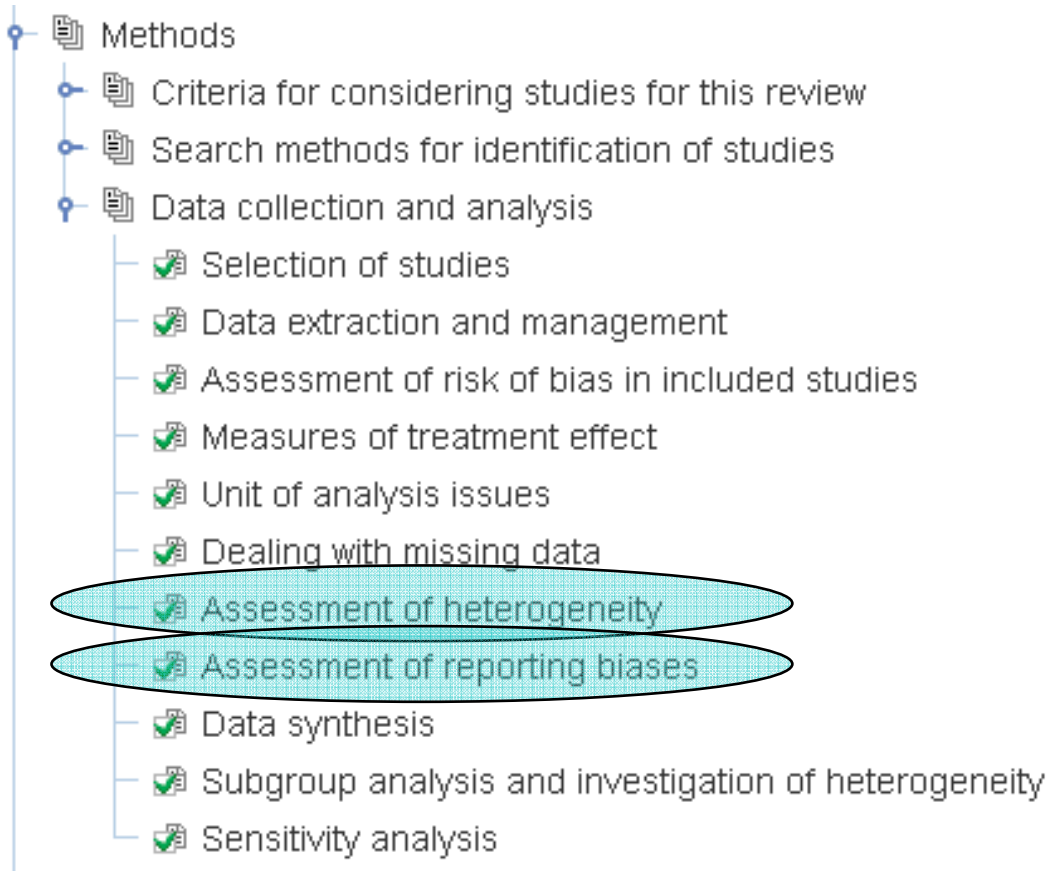
- Reference standard is the best way available of identifying target condition
  - May comprise several pieces of information
  - May only be available subsequently

Methods

No RCTs!



Intervention Reviews vs DTA Reviews



Identification of studies

Problems in indexing of DTA studies

- No study design terms (MeSH: sensitivity-and-specificity)
- Diagnostic search filters based on terms used to report results
- Filters don't work (loss of relevant articles and not reducing NNR)

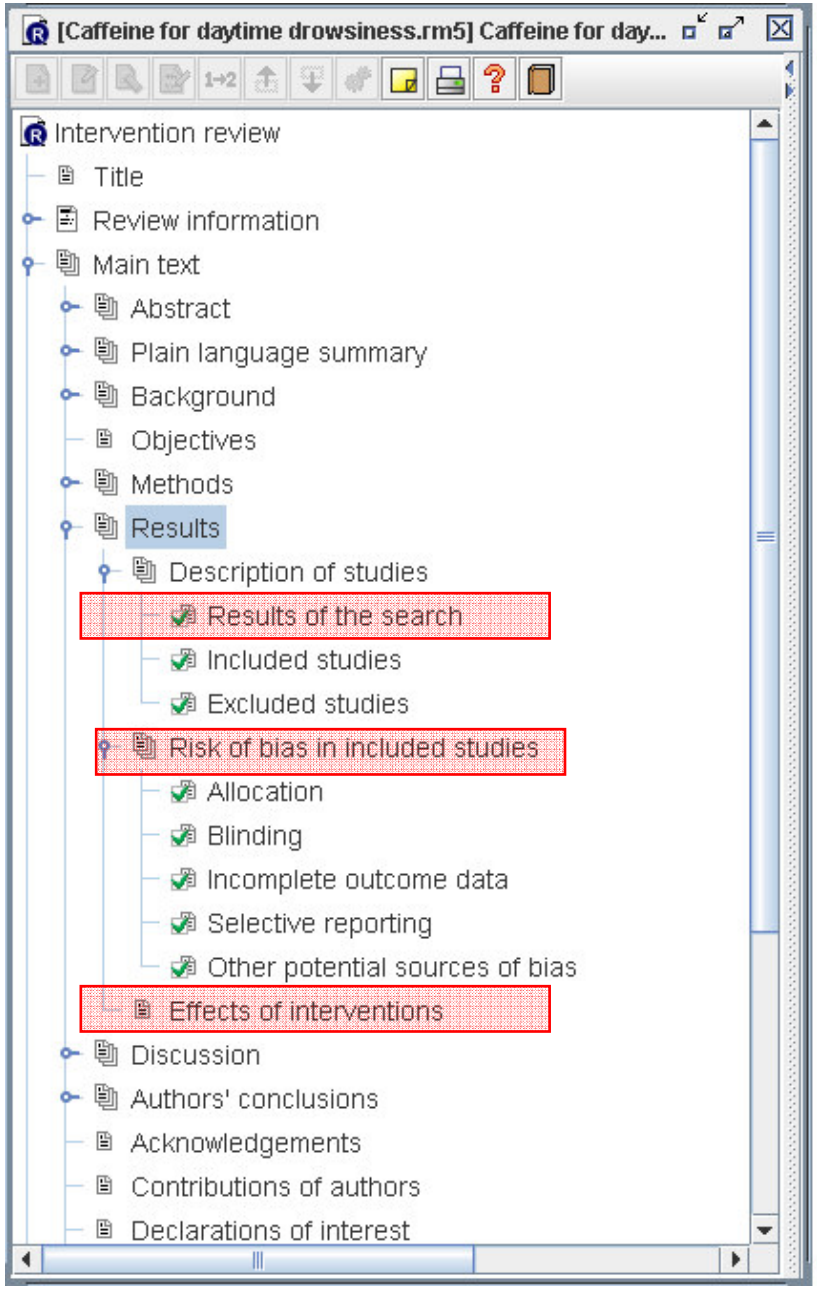
Search Strategy: include elements for

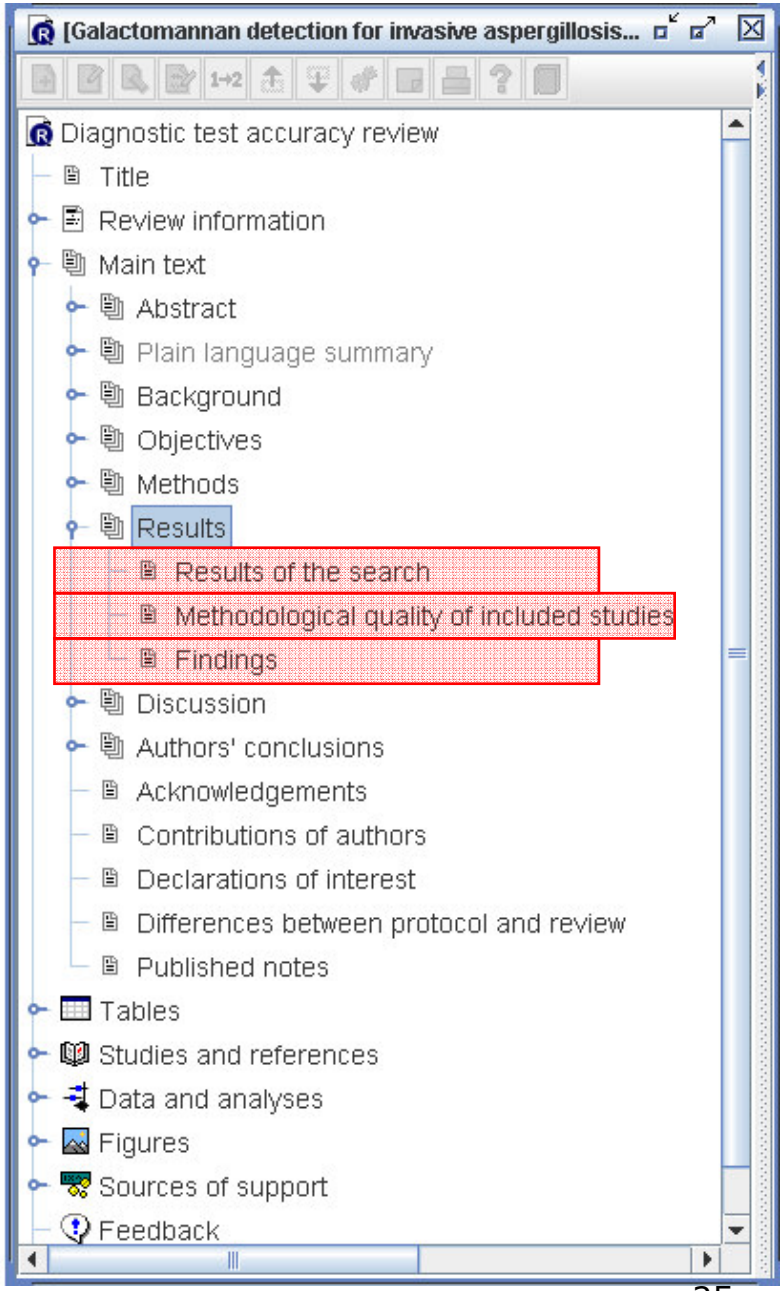
- target condition AND index test
- (more titles to screen)

Database of DTA studies is being developed in Sydney

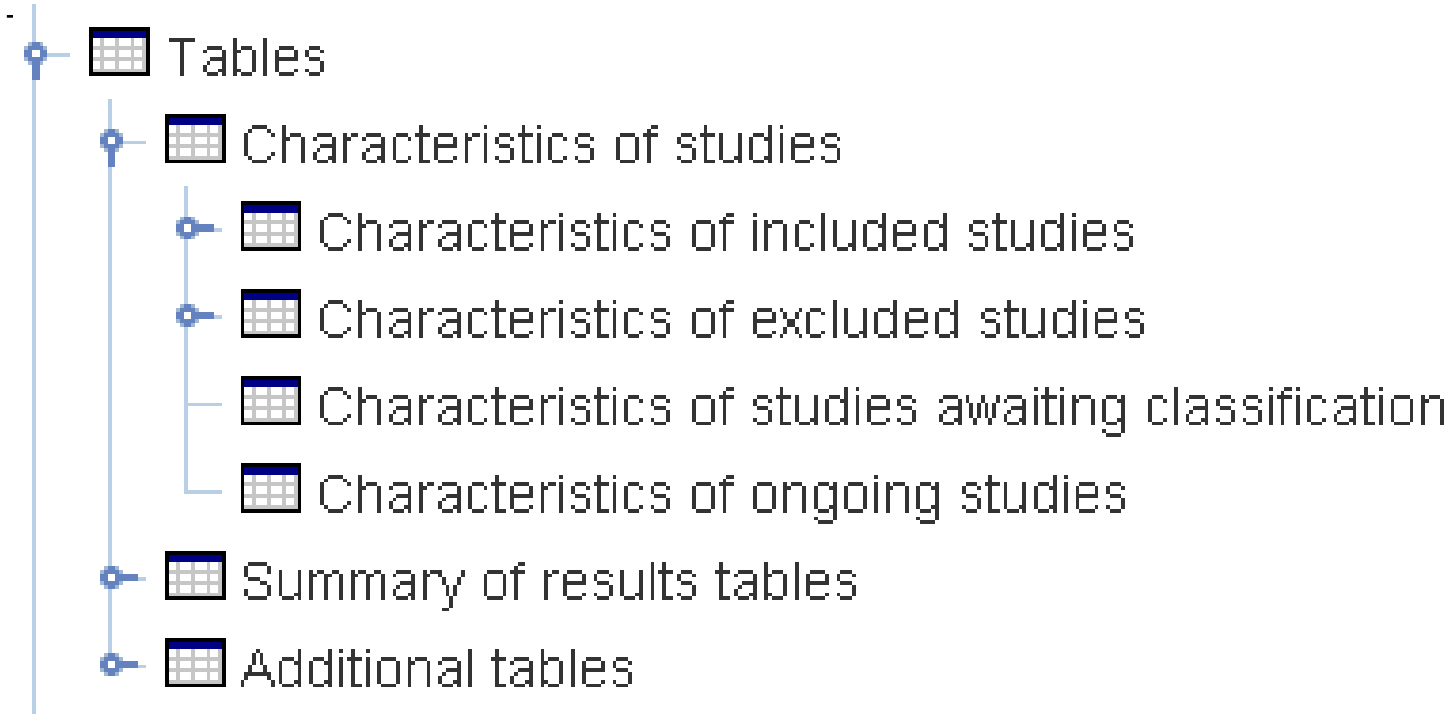
Diagnostic Test Accuracy Reviews

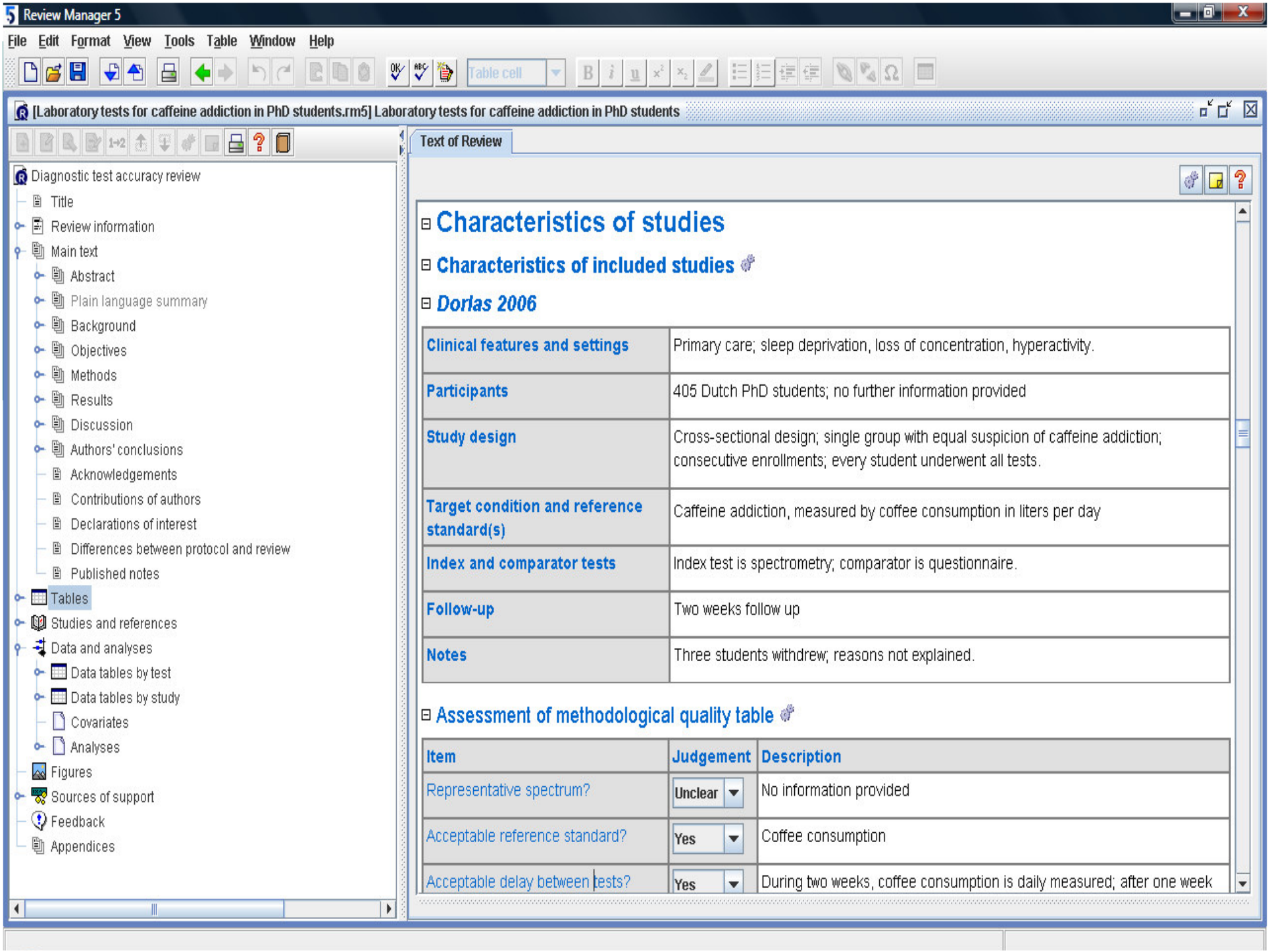
- Question formulation
- Identification of studies
- Selection of relevant studies
- Quality assessment (later)
- Data-extraction
- Data analysis (later)
- Presentation and interpretation of results

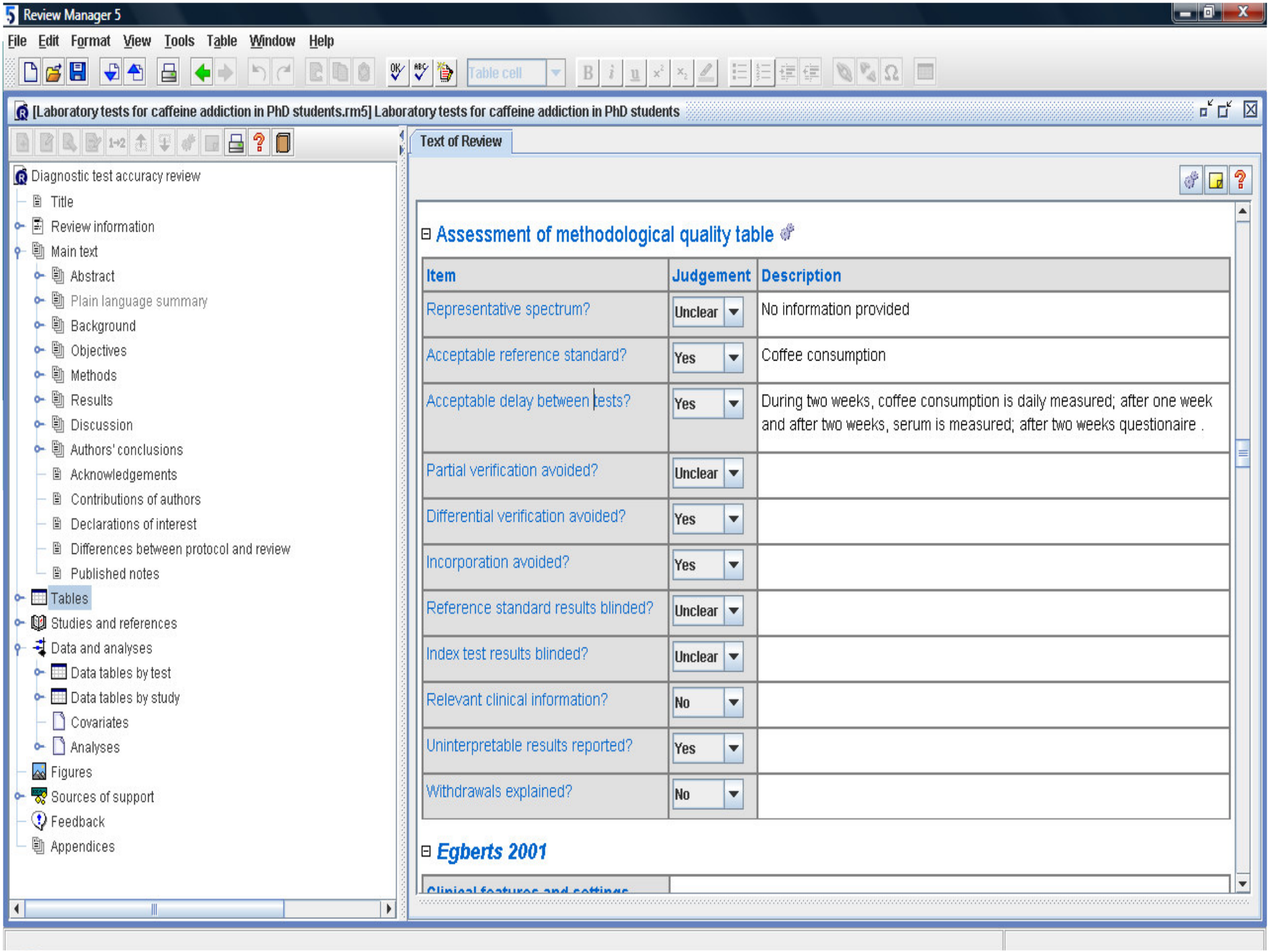

[Caffeine for daytime drowsiness.rm5] Caffeine for day...
Intervention review
Title
Review information
Main text
Abstract
Plain language summary
Background
Objectives
Methods
Results
Description of studies
Results of the search
Included studies
Excluded studies
Risk of bias in included studies
Allocation
Blinding
Incomplete outcome data
Selective reporting
Other potential sources of bias
Effects of interventions
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest


[Galactomannan detection for invasive aspergillosis...
Diagnostic test accuracy review
Title
Review information
Main text
Abstract
Plain language summary
Background
Objectives
Methods
Results
Results of the search
Methodological quality of included studies
Findings
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and review
Published notes
Tables
Studies and references
Data and analyses
Figures
Sources of support
Feedback

Tables


Tables
Characteristics of studies
Characteristics of included studies
Characteristics of excluded studies
Characteristics of studies awaiting classification
Characteristics of ongoing studies
Summary of results tables
Additional tables

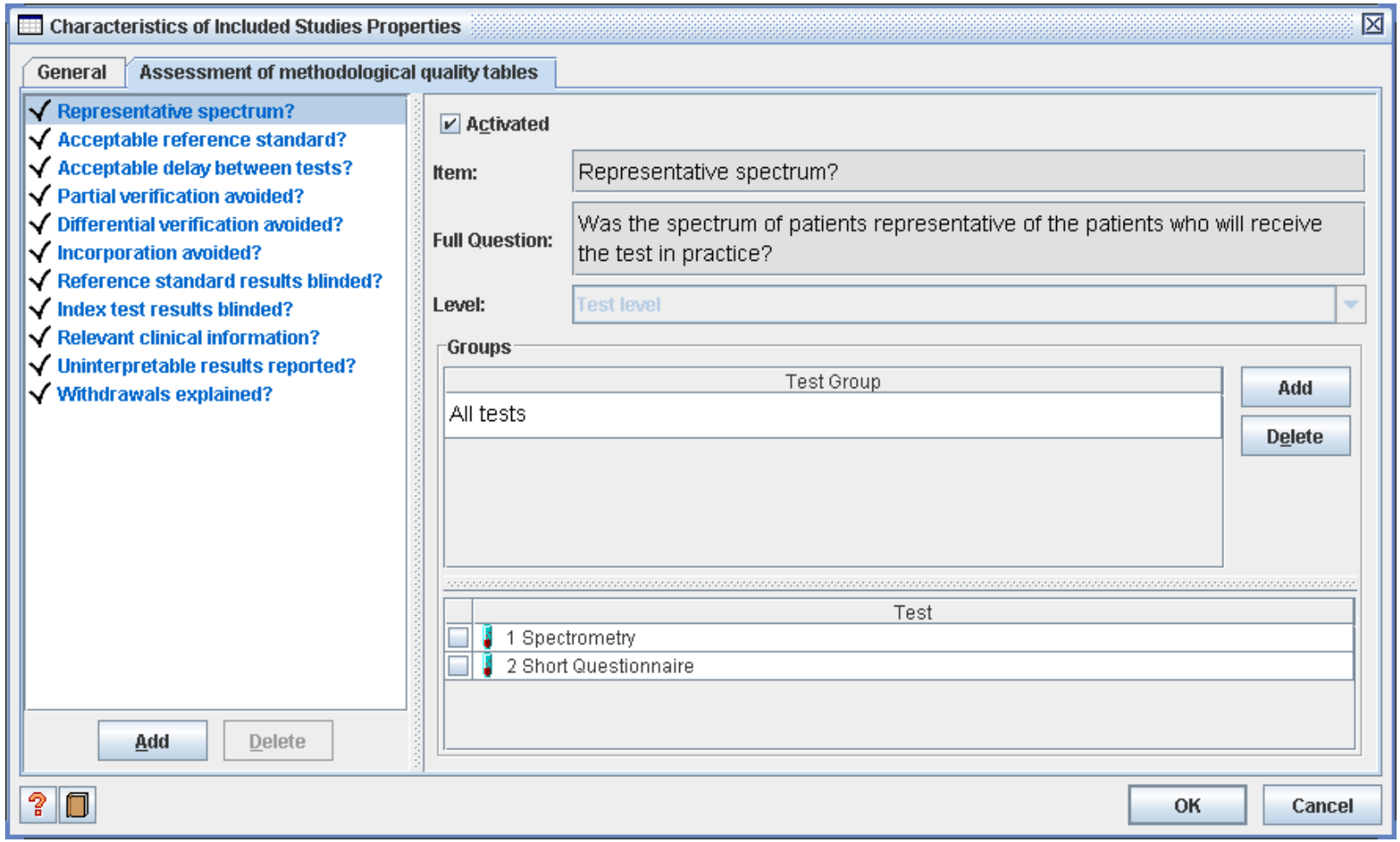

Review Manager 5
File Edit Format View Tools Table Window Help
Table cell
[Laboratory tests for caffeine addiction in PhD students.rm5] Laboratory tests for caffeine addiction in PhD students
Diagnostic test accuracy review
Title
Review information
Main text
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and review
Published notes
Tables
Studies and references
Data and analyses
Data tables by test
Data tables by study
Covariates
Analyses
Figures
Sources of support
Feedback
Appendices
Text of Review
Characteristics of studies
Characteristics of included studies
Dorlas 2006
Clinical features and settings
Primary care; sleep deprivation, loss of concentration, hyperactivity.
Participants
405 Dutch PhD students; no further information provided
Study design
Cross-sectional design; single group with equal suspicion of caffeine addiction; consecutive enrollments; every student underwent all tests.
Target condition and reference standard(s)
Caffeine addiction, measured by coffee consumption in liters per day
Index and comparator tests
Index test is spectrometry; comparator is questionnaire.
Follow-up
Two weeks follow up
Notes
Three students withdrew; reasons not explained.
Assessment of methodological quality table
Item
Judgement
Description
Representative spectrum?
Unclear
No information provided
Acceptable reference standard?
Yes
Coffee consumption
Acceptable delay between tests?
Yes
During two weeks, coffee consumption is daily measured; after one week

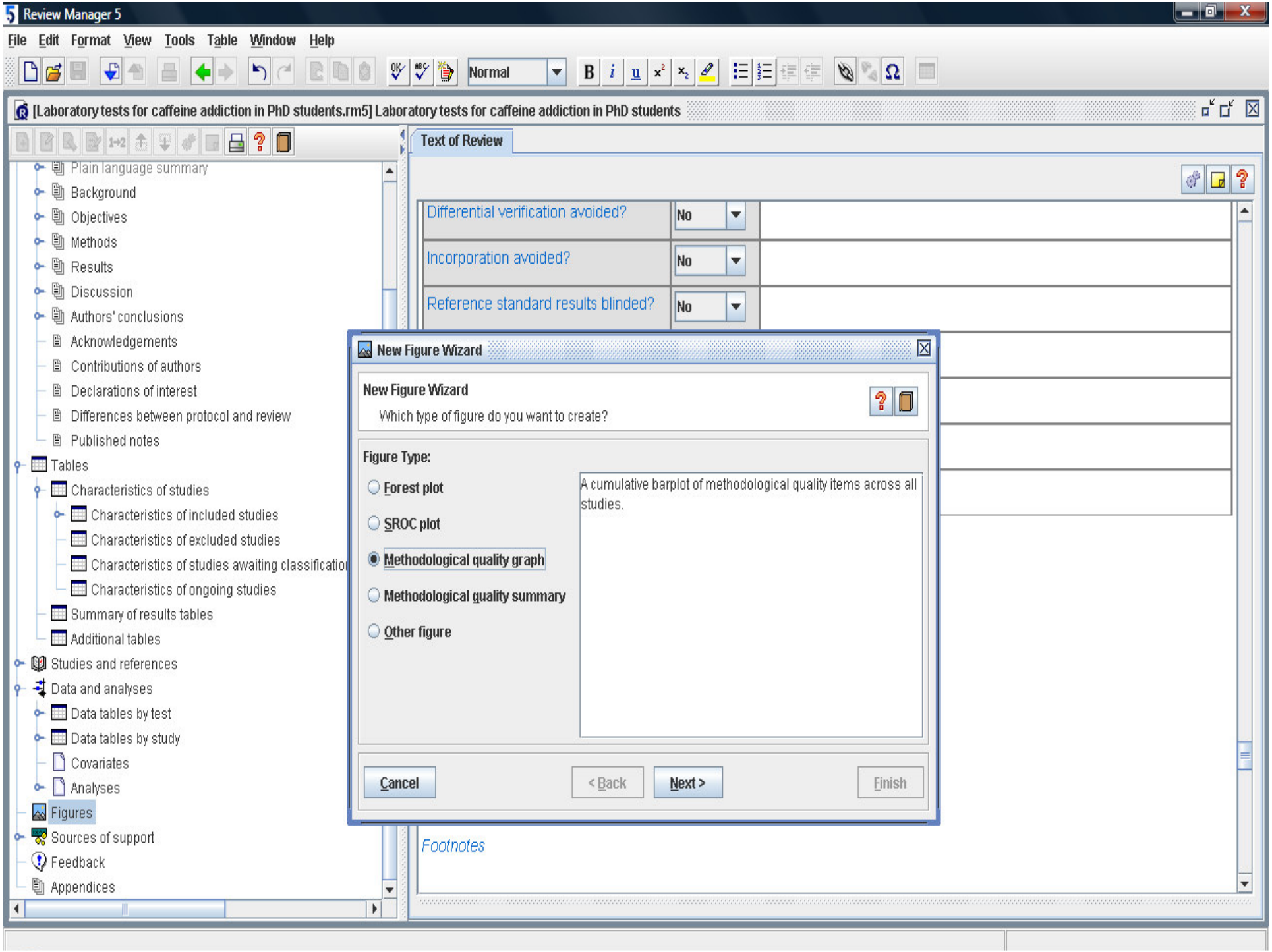

Review Manager 5
File Edit Format View Tools Table Window Help
Table cell
[Laboratory tests for caffeine addiction in PhD students.rm5] Laboratory tests for caffeine addiction in PhD students
Diagnostic test accuracy review
Title
Review information
Main text
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and review
Published notes
Tables
Studies and references
Data and analyses
Data tables by test
Data tables by study
Covariates
Analyses
Figures
Sources of support
Feedback
Appendices
Text of Review
Assessment of methodological quality table
Item
Judgement
Description
Representative spectrum?
Unclear
No information provided
Acceptable reference standard?
Yes
Coffee consumption
Acceptable delay between tests?
Yes
During two weeks, coffee consumption is daily measured; after one week and after two weeks, serum is measured; after two weeks questionaire .
Partial verification avoided?
Unclear
Differential verification avoided?
Yes
Incorporation avoided?
Yes
Reference standard results blinded?
Unclear
Index test results blinded?
Unclear
Relevant clinical information?
No
Uninterpretable results reported?
Yes
Withdrawals explained?
No
Egberts 2001

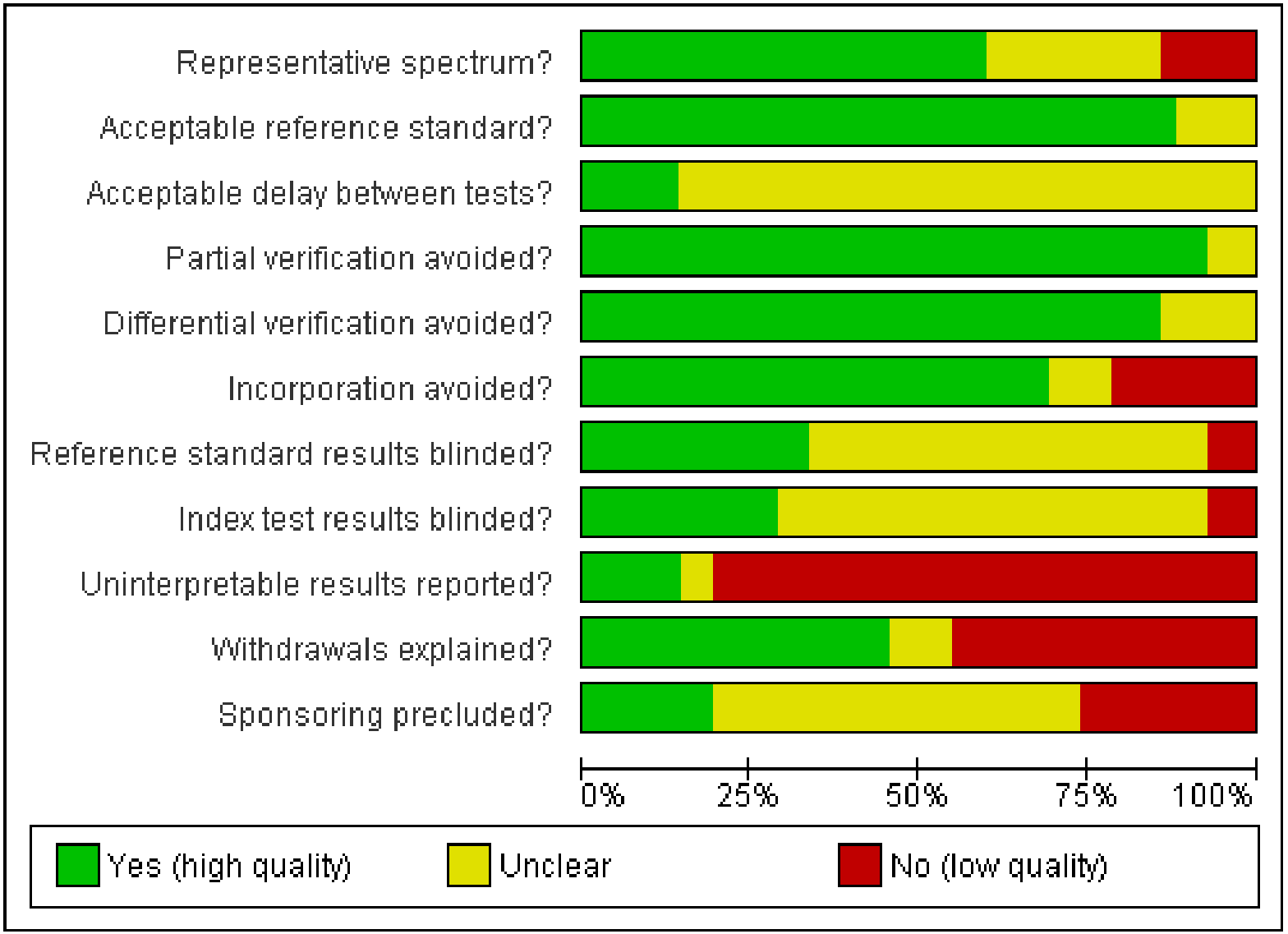
Quality assessment: diagnosis

- Relation between quality items and bias is not as straightforward as it is for interventions
- Many more items: 11 mandatory and >10 facultative (QUADAS)
- Methodological Quality Table
  - "Risk of Bias Table"

Assessment of methodological quality




Review Manager 5
File Edit Format View Tools Table Window Help
Normal
[Laboratory tests for caffeine addiction in PhD students.rm5] Laboratory tests for caffeine addiction in PhD students
Text of Review
Plain language summary
Background
Objectives
Methods
Results
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and review
Published notes
Tables
Characteristics of studies
Characteristics of included studies
Characteristics of excluded studies
Characteristics of studies awaiting classificatio
Characteristics of ongoing studies
Summary of results tables
Additional tables
Studies and references
Data and analyses
Data tables by test
Data tables by study
Covariates
Analyses
Figures
Sources of support
Feedback
Appendices
Differential verification avoided?
No
Incorporation avoided?
No
Reference standard results blinded?
No
New Figure Wizard
New Figure Wizard
Which type of figure do you want to create?
Figure Type:
Forest plot
SROC plot
Methodological quality graph
Methodological quality summary
Other figure
A cumulative barplot of methodological quality items across all studies.
Cancel
< Back
Next >
Finish
Footnotes


Representative spectrum?
Acceptable reference standard?
Acceptable delay between tests?
Partial verification avoided?
Differential verification avoided?
Incorporation avoided?
Reference standard results blinded?
Index test results blinded?
Uninterpretable results reported?
Withdrawals explained?
Sponsoring precluded?
0%
25%
50%
75%
100%
Yes (high quality)
Unclear
No (low quality)

Review Manager 5

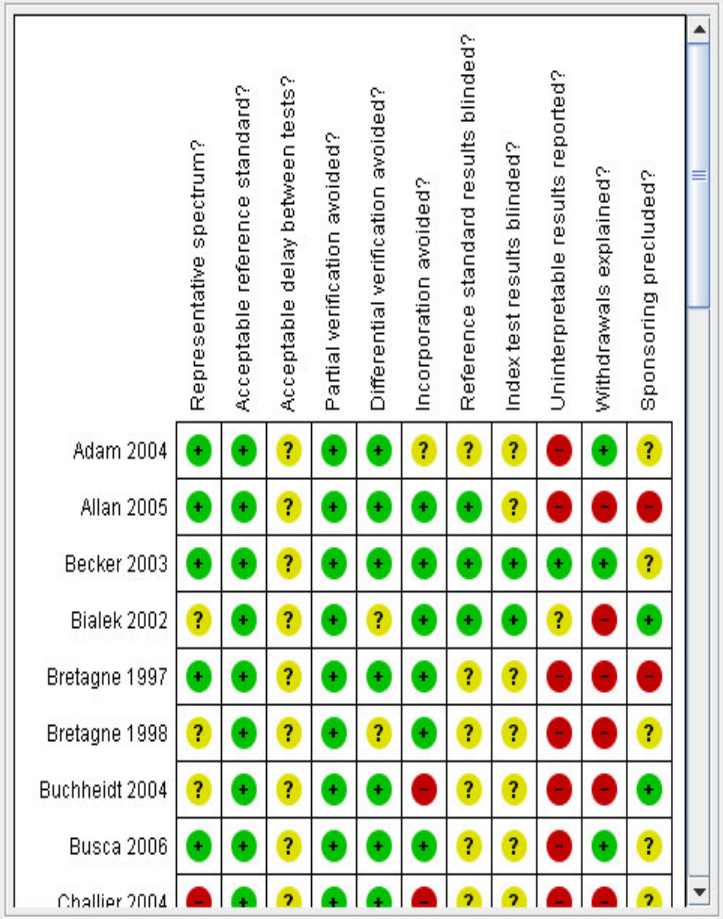
File Edit Format View Tools Table Window Help

[Galactomannan detection for invasive aspergillosis in immunocompromized patients.rm5] Galactomannan detection for invasive aspergillosis in immunocompromized patients

- Contributions of authors
- Declarations of interest
- Differences between protocol ar
- Published notes
- Tables
  - Characteristics of studies
    - Characteristics of included st
    - Characteristics of excluded s
    - Characteristics of studies aw
    - Characteristics of ongoing st
  - Summary of results tables
  - Additional tables
- Studies and references
- Data and analyses
- Figures
  - Figure 1
  - Figure 2
  - Figure 3
  - Figure 4 (Analysis 1)
  - Figure 5 (Analysis 1)
  - Figure 6 (Analysis 6)
  - Figure 7 (Analysis 3)
  - Figure 8 (Analysis 4)
  - Figure 9 (Analysis 5)
  - Figure 10
  - Figure 11 (Analysis 8)

Text of Review | Figure 3

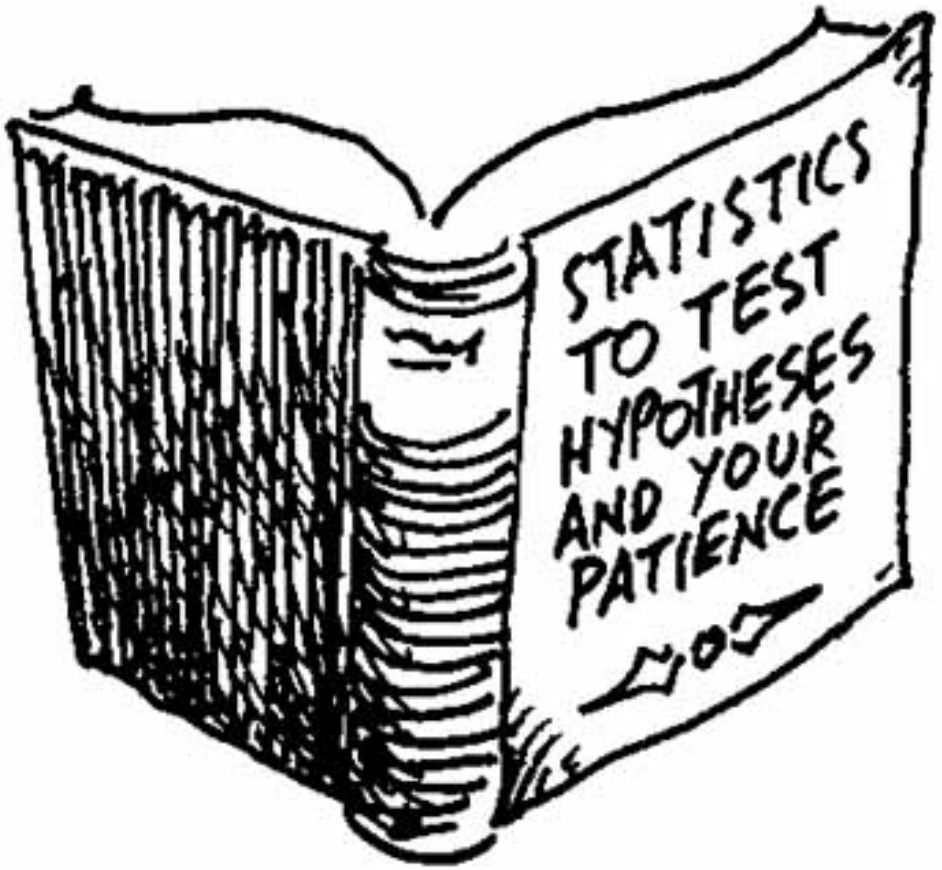
This figure is updated dynamically when the data change.

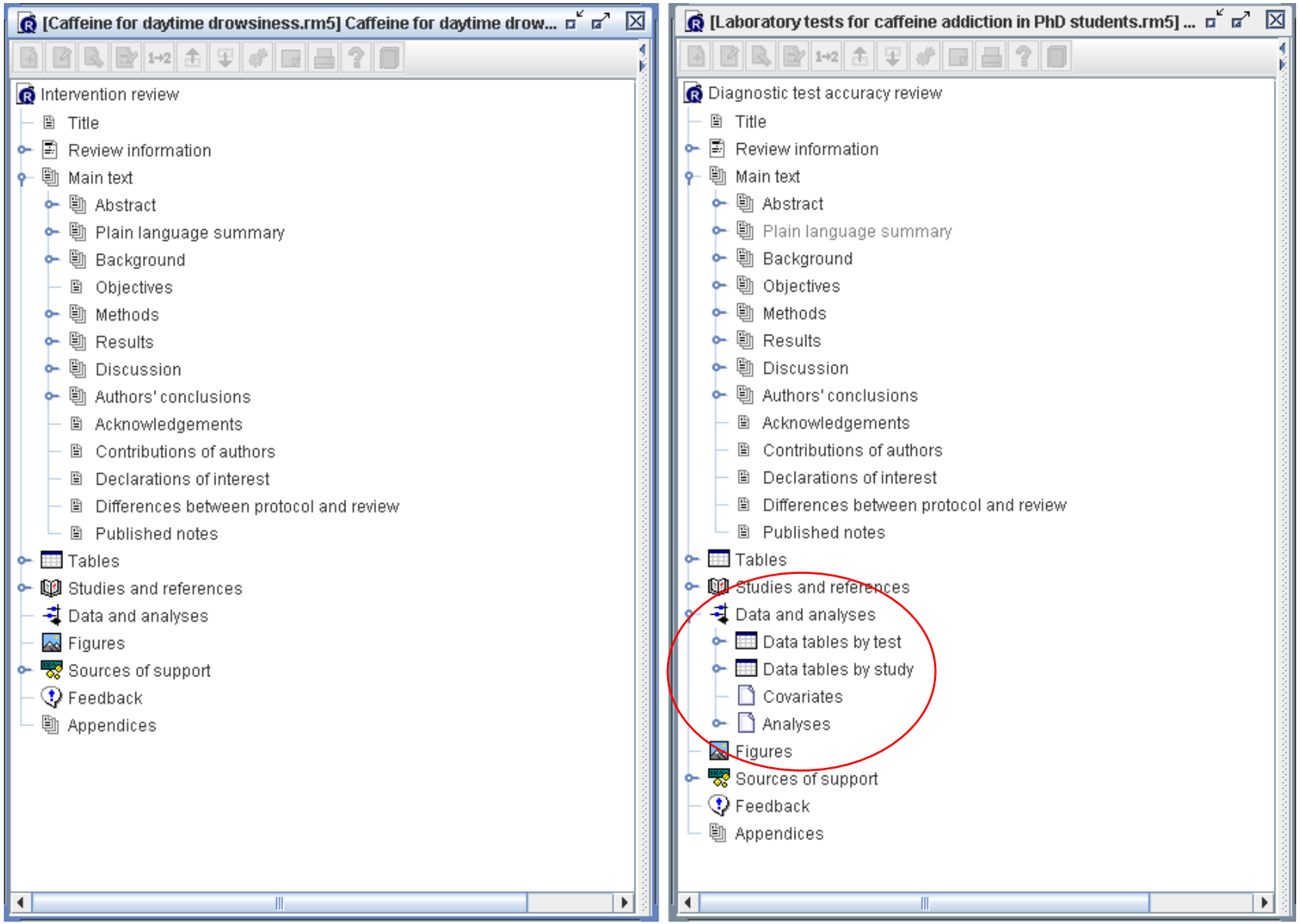


Caption: Figure 3

Methodological quality summary: Review authors' judgments about each methodological quality item for each included study.

Data and analyses



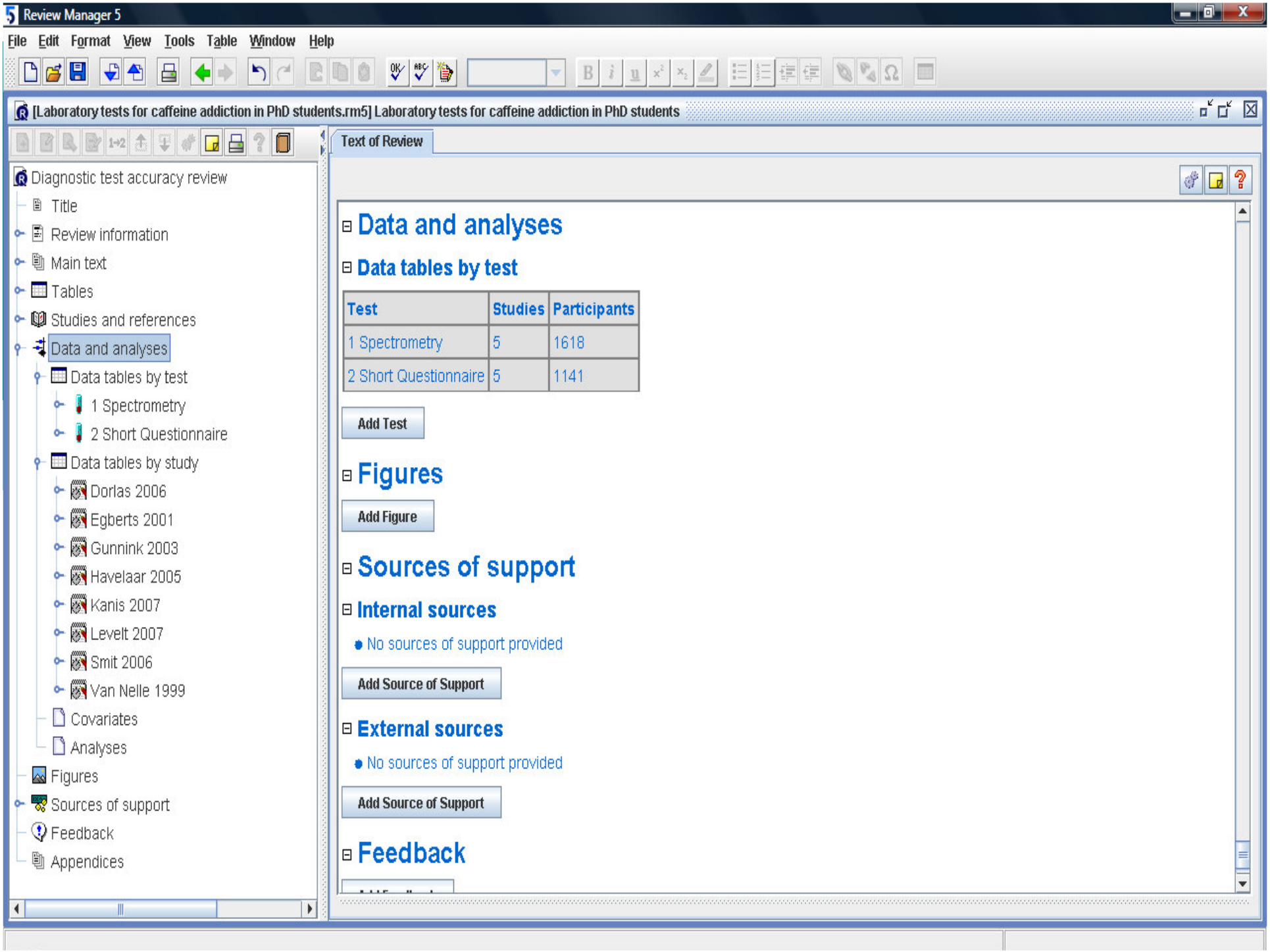

[Caffeine for daytime drowsiness.rm5] Caffeine for daytime drow...
Intervention review
Title
Review information
Main text
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and review
Published notes
Tables
Studies and references
Data and analyses
Figures
Sources of support
Feedback
Appendices
[Laboratory tests for caffeine addiction in PhD students.rm5] ...
Diagnostic test accuracy review
Title
Review information
Main text
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and review
Published notes
Tables
Studies and references
Data and analyses
Data tables by test
Data tables by study
Covariates
Analyses
Figures
Sources of support
Feedback
Appendices

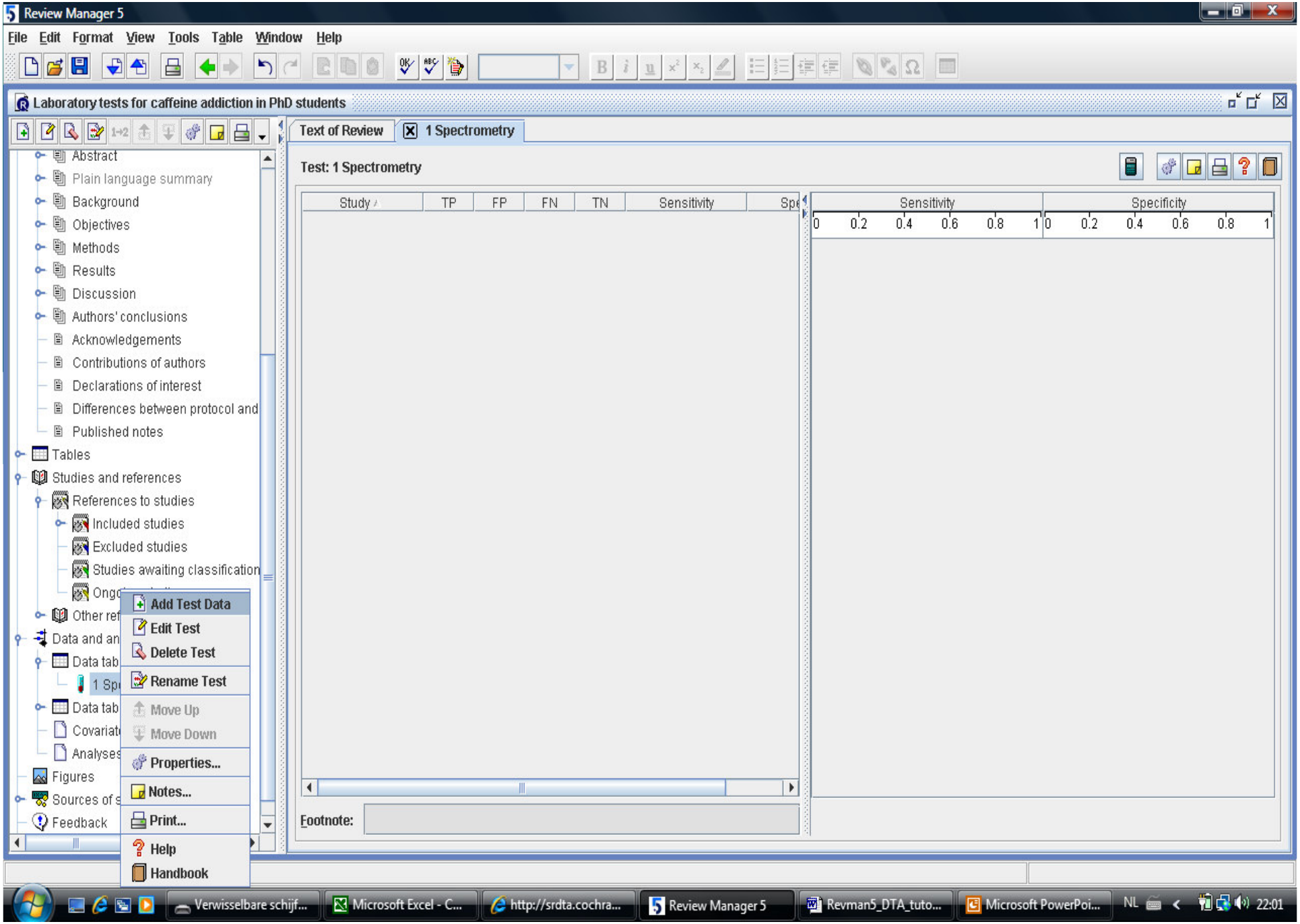
Data and Analysis

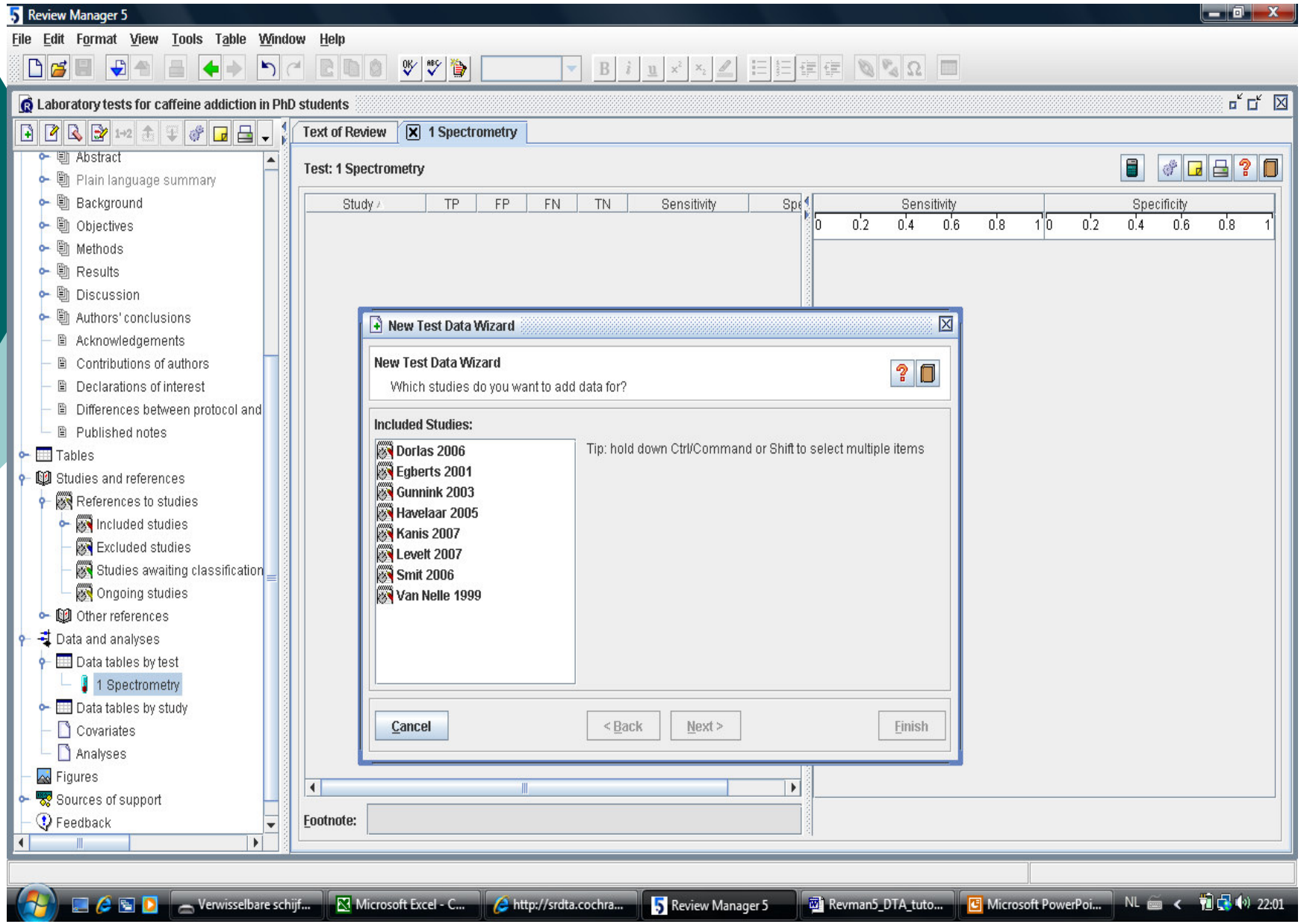
In diagnostics, less straightforward than RCT:

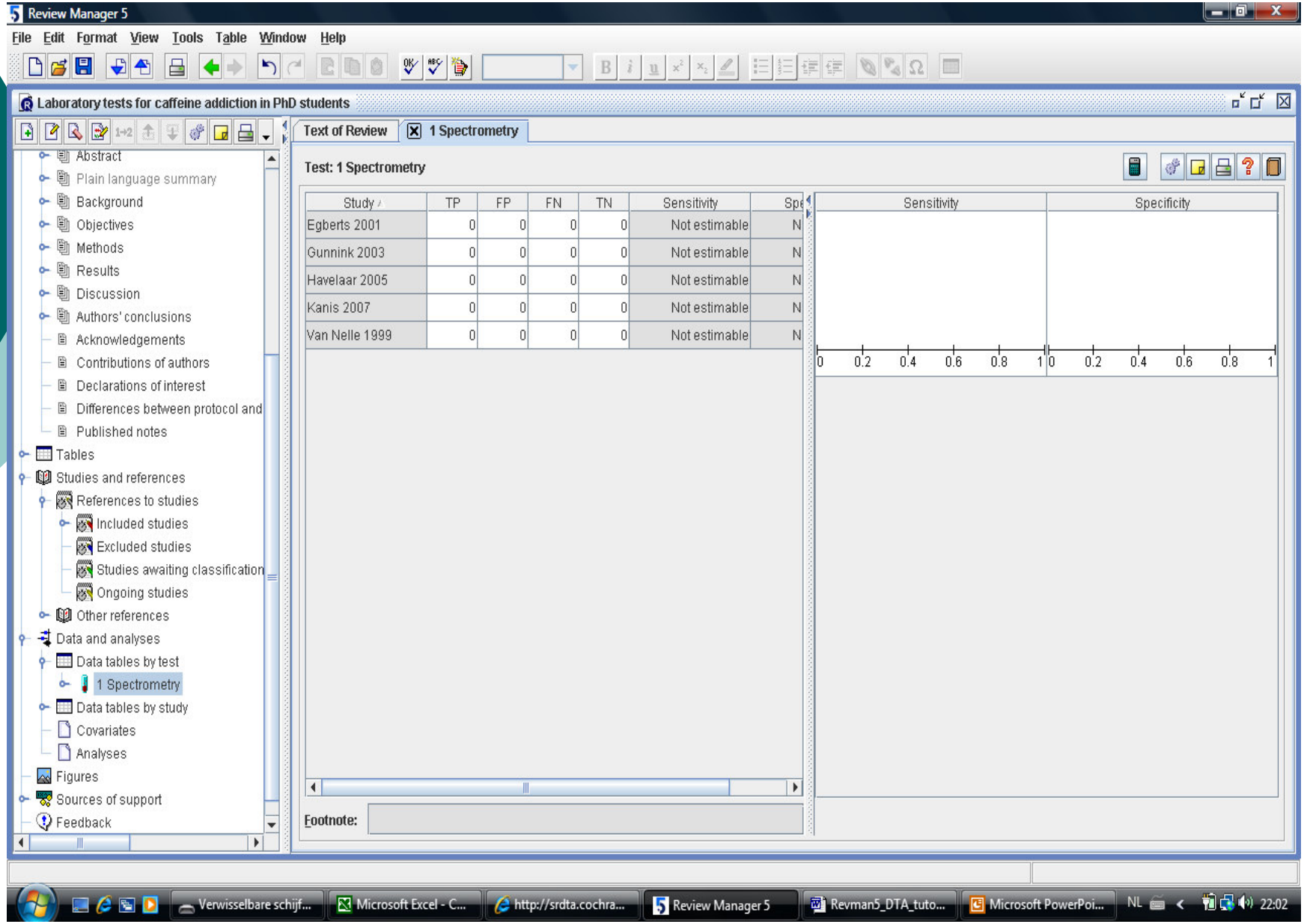
- Additional challenges are:
  - Pairs of sensitivity and specificity
  - Cut-off problems
  - Heterogeneity is rule rather than exception

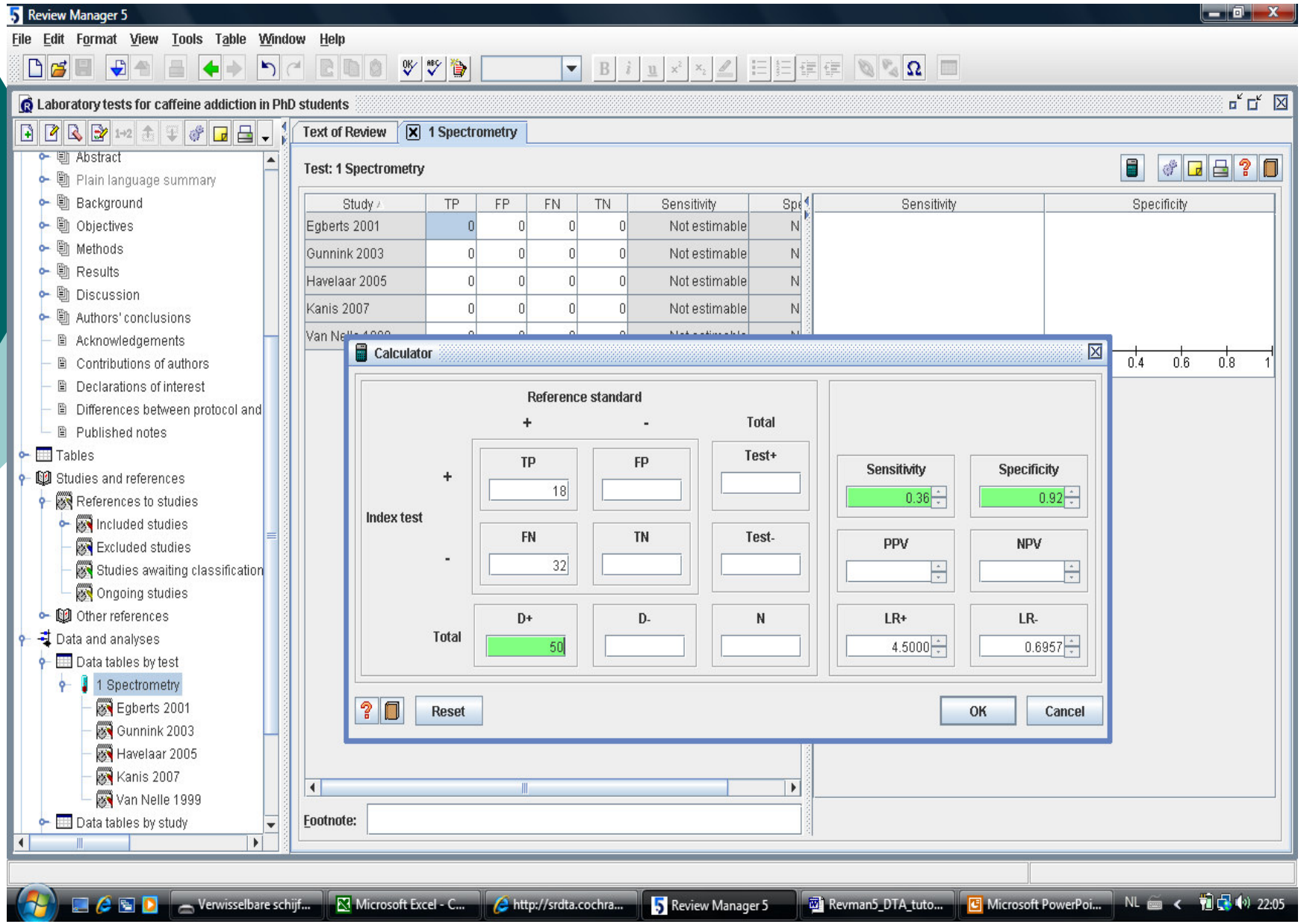
NB: Apart from sources of heterogeneity known from the therapeutic field, we have to deal with the many different research designs used

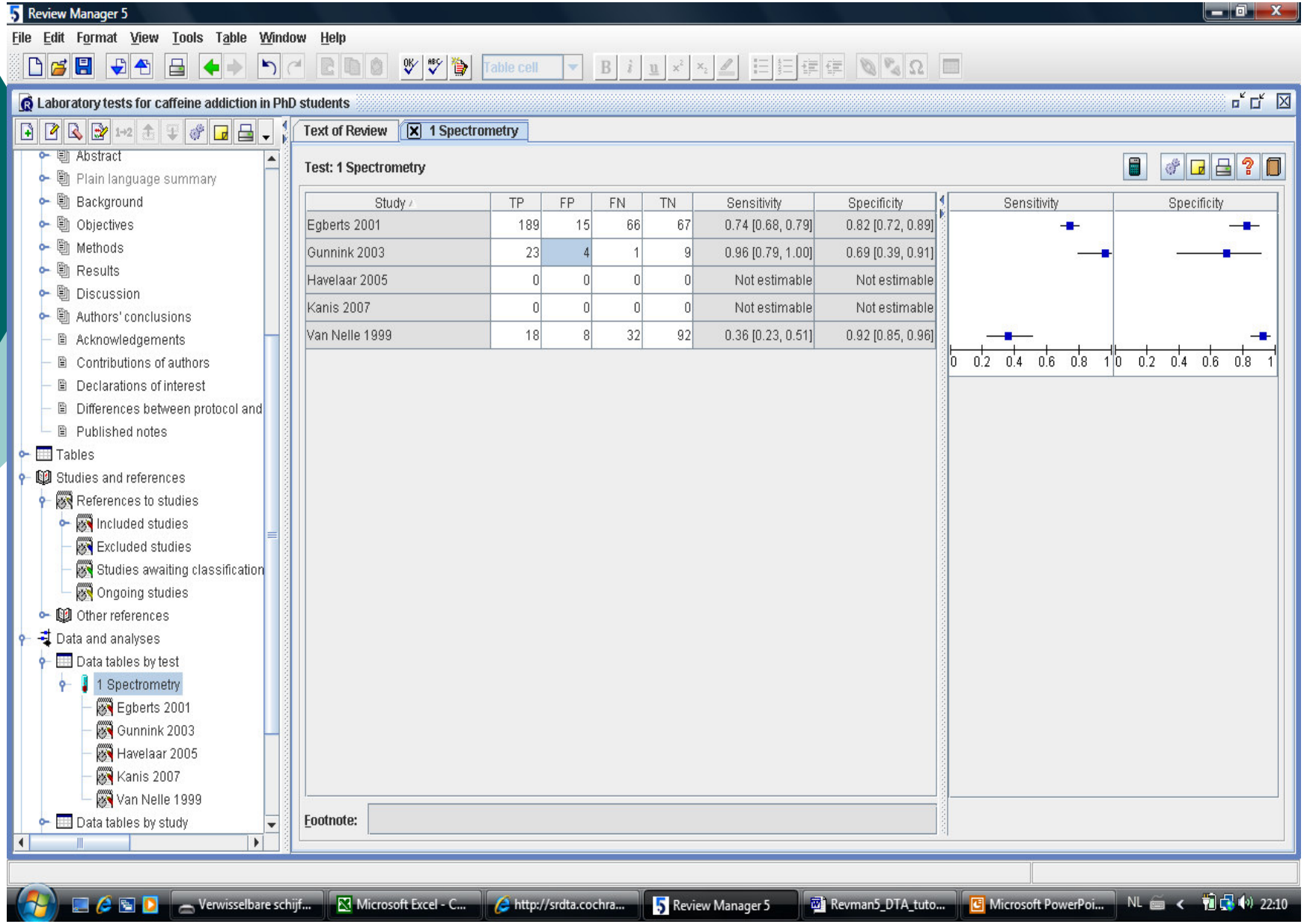

Review Manager 5
File Edit Format View Tools Table Window Help
[Laboratory tests for caffeine addiction in PhD students.rm5] Laboratory tests for caffeine addiction in PhD students
Diagnostic test accuracy review
Title
Review information
Main text
Tables
Studies and references
Data and analyses
Data tables by test
1 Spectrometry
2 Short Questionnaire
Data tables by study
Dorlas 2006
Egberts 2001
Gunnink 2003
Havelaar 2005
Kanis 2007
Levelt 2007
Smit 2006
Van Nelle 1999
Covariates
Analyses
Figures
Sources of support
Feedback
Appendices
Text of Review
Data and analyses
Data tables by test
Test
Studies
Participants
1 Spectrometry
5
1618
2 Short Questionnaire
5
1141
Add Test
Figures
Add Figure
Sources of support
Internal sources
No sources of support provided
Add Source of Support
External sources
No sources of support provided
Add Source of Support
Feedback

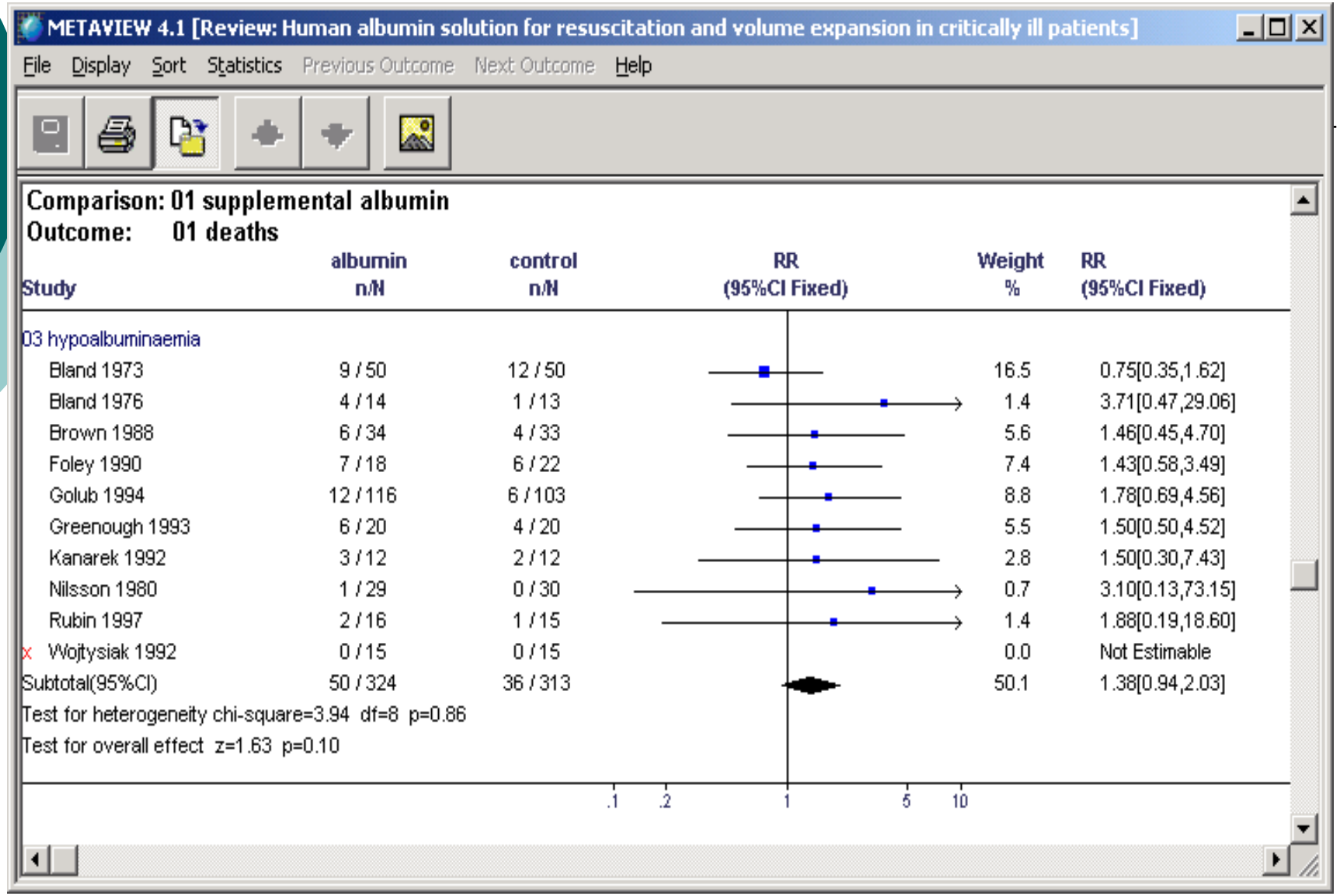

Review Manager 5
File Edit Format View Tools Table Window Help
Laboratory tests for caffeine addiction in PhD students
Text of Review
1 Spectrometry
Test: 1 Spectrometry
Study
TP
FP
FN
TN
Sensitivity
Specificity
0 0.2 0.4 0.6 0.8 1
Footnote:
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and
Published notes
Tables
Studies and references
References to studies
Included studies
Excluded studies
Studies awaiting classification
Add Test Data
Edit Test
Delete Test
Rename Test
Move Up
Move Down
Properties...
Notes...
Print...
Help
Handbook
Figures
Feedback
Verwisselbare schijf...
Microsoft Excel - C...
http://srdta.cochra...
Review Manager 5
Revman5_DTA_tuto...
Microsoft PowerPoi...
NL
22:01


Review Manager 5
File Edit Format View Tools Table Window Help
Laboratory tests for caffeine addiction in PhD students
Text of Review
1 Spectrometry
Test: 1 Spectrometry
Study
TP
FP
FN
TN
Sensitivity
Specificity
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and
Published notes
Tables
Studies and references
References to studies
Included studies
Excluded studies
Studies awaiting classification
Ongoing studies
Other references
Data and analyses
Data tables by test
1 Spectrometry
Data tables by study
Covariates
Analyses
Figures
Sources of support
Feedback
New Test Data Wizard
New Test Data Wizard
Which studies do you want to add data for?
Included Studies:
Dorlas 2006
Egberts 2001
Gunnink 2003
Havelaar 2005
Kanis 2007
Levelt 2007
Smit 2006
Van Nelle 1999
Tip: hold down Ctrl/Command or Shift to select multiple items
Cancel
< Back
Next >
Finish
Footnote:
Verwisselbare schijf...
Microsoft Excel - C...
http://srdta.cochra...
Review Manager 5
Revman5_DTA_tuto...
Microsoft PowerPoi...
NL
22:01


Review Manager 5
File Edit Format View Tools Table Window Help
Laboratory tests for caffeine addiction in PhD students
Text of Review
1 Spectrometry
Test: 1 Spectrometry
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and
Published notes
Tables
Studies and references
References to studies
Included studies
Excluded studies
Studies awaiting classification
Ongoing studies
Other references
Data and analyses
Data tables by test
1 Spectrometry
Data tables by study
Covariates
Analyses
Figures
Sources of support
Feedback
Study TP FP FN TN Sensitivity Spe
Egberts 2001 0 0 0 0 Not estimable N
Gunnink 2003 0 0 0 0 Not estimable N
Havelaar 2005 0 0 0 0 Not estimable N
Kanis 2007 0 0 0 0 Not estimable N
Van Nelle 1999 0 0 0 0 Not estimable N
Footnote:
Sensitivity
Specificity
0 0.2 0.4 0.6 0.8 1
0 0.2 0.4 0.6 0.8 1
Verwisselbare schijf...
Microsoft Excel - C...
http://srdta.cochra...
Review Manager 5
Revman5_DTA_tuto...
Microsoft PowerPoi...
NL
22:02

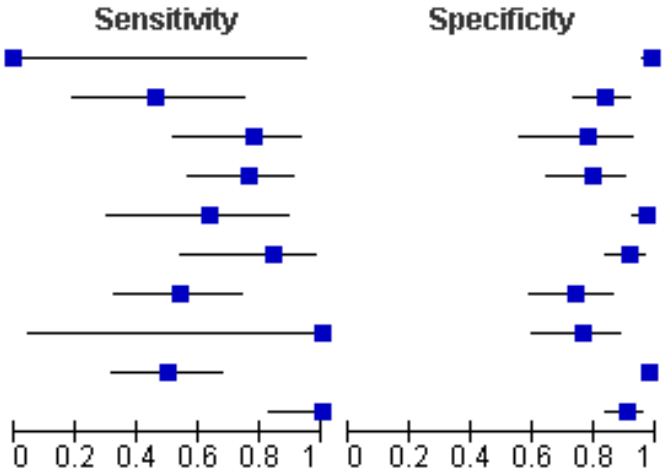

Review Manager 5
File Edit Format View Tools Table Window Help
Laboratory tests for caffeine addiction in PhD students
Text of Review
1 Spectrometry
Test: 1 Spectrometry
Study
TP
FP
FN
TN
Sensitivity
Egberts 2001
Gunnink 2003
Havelaar 2005
Kanis 2007
Not estimable
Sensitivity
Specificity
Calculator
Reference standard
Total
Index test
TP
FP
Test+
18
FN
TN
Test-
32
D+
D-
N
50
Sensitivity
Specificity
0.36
0.92
PPV
NPV
LR+
LR-
4.5000
0.6957
Reset
OK
Cancel
Footnote:
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and
Published notes
Tables
Studies and references
References to studies
Included studies
Excluded studies
Studies awaiting classification
Ongoing studies
Other references
Data and analyses
Data tables by test
1 Spectrometry
Egberts 2001
Gunnink 2003
Havelaar 2005
Kanis 2007
Van Nelle 1999
Data tables by study
Verwisselbare schijf...
Microsoft Excel - C...
http://srdta.cochra...
Review Manager 5
Revman5_DTA_tuto...
Microsoft PowerPoi...
NL
22:05


Review Manager 5
File Edit Format View Tools Table Window Help
Laboratory tests for caffeine addiction in PhD students
Text of Review
1 Spectrometry
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and
Published notes
Tables
Studies and references
References to studies
Included studies
Excluded studies
Studies awaiting classification
Ongoing studies
Other references
Data and analyses
Data tables by test
1 Spectrometry
Egberts 2001
Gunnink 2003
Havelaar 2005
Kanis 2007
Van Nelle 1999
Data tables by study
Test: 1 Spectrometry
Study TP FP FN TN Sensitivity Specificity
Egberts 2001 189 15 66 67 0.74 [0.68, 0.79] 0.82 [0.72, 0.89]
Gunnink 2003 23 4 1 9 0.96 [0.79, 1.00] 0.69 [0.39, 0.91]
Havelaar 2005 0 0 0 0 Not estimable Not estimable
Kanis 2007 0 0 0 0 Not estimable Not estimable
Van Nelle 1999 18 8 32 92 0.36 [0.23, 0.51] 0.92 [0.85, 0.96]
Sensitivity
Specificity
0 0.2 0.4 0.6 0.8 1
0 0.2 0.4 0.6 0.8 1
Footnote:
Verwisselbare schijf...
Microsoft Excel - C...
http://srdta.cochra...
Review Manager 5
Revman5_DTA_tuto...
Microsoft PowerPoi...
NL
22:10


METAVIEW 4.1 [Review: Human albumin solution for resuscitation and volume expansion in critically ill patients]
File Display Sort Statistics Previous Outcome Next Outcome Help
Comparison: 01 supplemental albumin
Outcome: 01 deaths
Study
albumin n/N
control n/N
RR (95%CI Fixed)
Weight %
RR (95%CI Fixed)
03 hypoalbuminaemia
Bland 1973 9 / 50 12 / 50 16.5 0.75[0.35,1.62]
Bland 1976 4 / 14 1 / 13 1.4 3.71[0.47,29.06]
Brown 1988 6 / 34 4 / 33 5.6 1.46[0.45,4.70]
Foley 1990 7 / 18 6 / 22 7.4 1.43[0.58,3.49]
Golub 1994 12 / 116 6 / 103 8.8 1.78[0.69,4.56]
Greenough 1993 6 / 20 4 / 20 5.5 1.50[0.50,4.52]
Kanarek 1992 3 / 12 2 / 12 2.8 1.50[0.30,7.43]
Nilsson 1980 1 / 29 0 / 30 0.7 3.10[0.13,73.15]
Rubin 1997 2 / 16 1 / 15 1.4 1.88[0.19,18.60]
x Wojtysiak 1992 0 / 15 0 / 15 0.0 Not Estimable
Subtotal(95%CI) 50 / 324 36 / 313 50.1 1.38[0.94,2.03]
Test for heterogeneity chi-square=3.94 df=8 p=0.86
Test for overall effect z=1.63 p=0.10
.1
.2
1
5
10

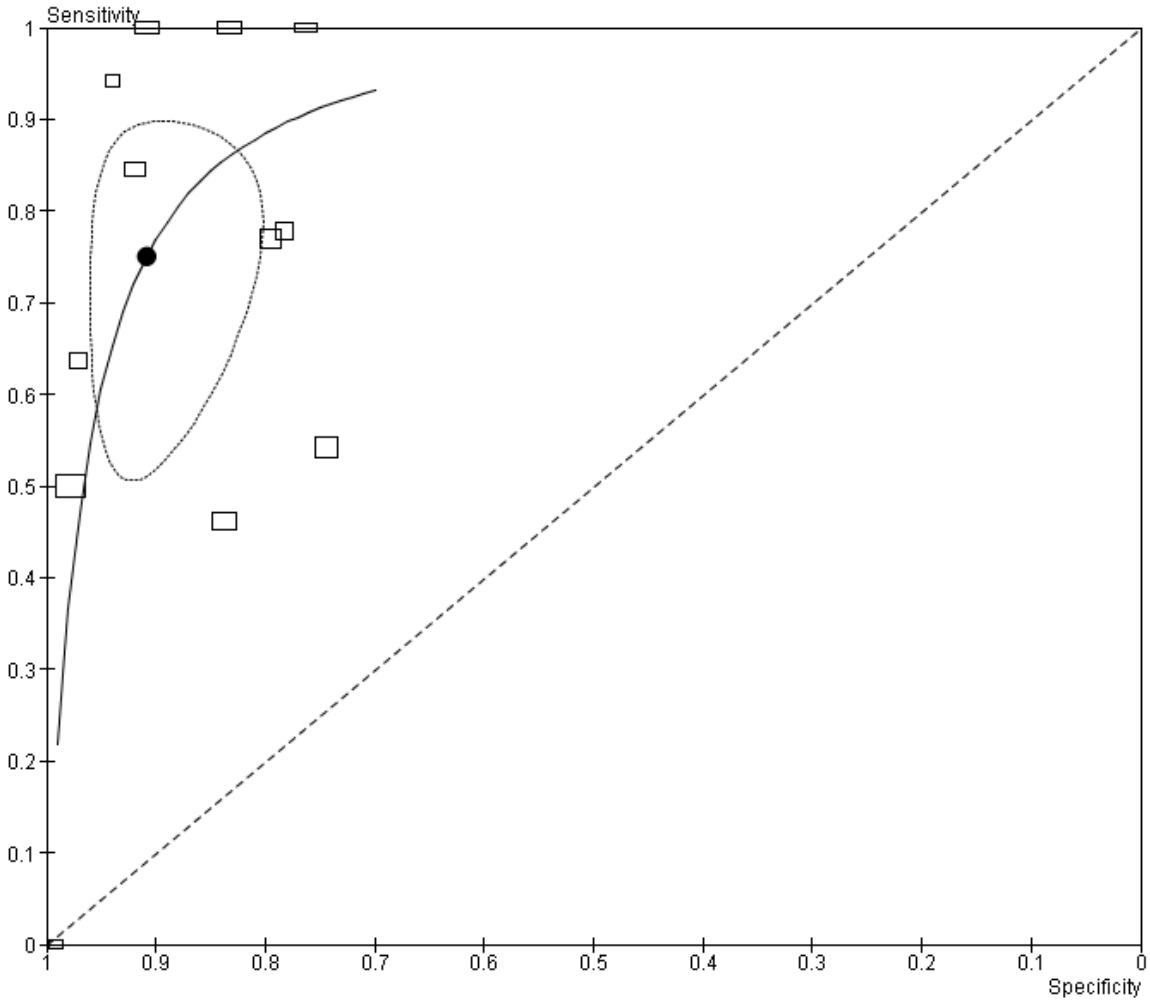
Forest plot

Study	TP	FP	FN	TN	Sensitivity	Specificity
Allan 2005	0	1	1	123	0.00 [0.00, 0.95]	0.99 [0.96, 1.00]
Becker 2003	6	12	7	62	0.46 [0.19, 0.75]	0.84 [0.73, 0.91]
Bretagne 1998	14	5	4	18	0.78 [0.52, 0.94]	0.78 [0.56, 0.93]
Challier 2004	20	9	6	35	0.77 [0.56, 0.91]	0.80 [0.65, 0.90]
Kawazu 2004	7	4	4	134	0.64 [0.31, 0.89]	0.97 [0.93, 0.99]
Maertens 2002	11	7	2	80	0.85 [0.55, 0.98]	0.92 [0.84, 0.97]
Marr 2004	13	11	11	32	0.54 [0.33, 0.74]	0.74 [0.59, 0.86]
Pereira 2005	1	9	0	29	1.00 [0.05, 1.00]	0.76 [0.60, 0.89]
Pinel 2003	17	17	17	756	0.50 [0.32, 0.68]	0.98 [0.97, 0.99]
Ulusakarya 2000	16	11	0	108	1.00 [0.83, 1.00]	0.91 [0.84, 0.95]

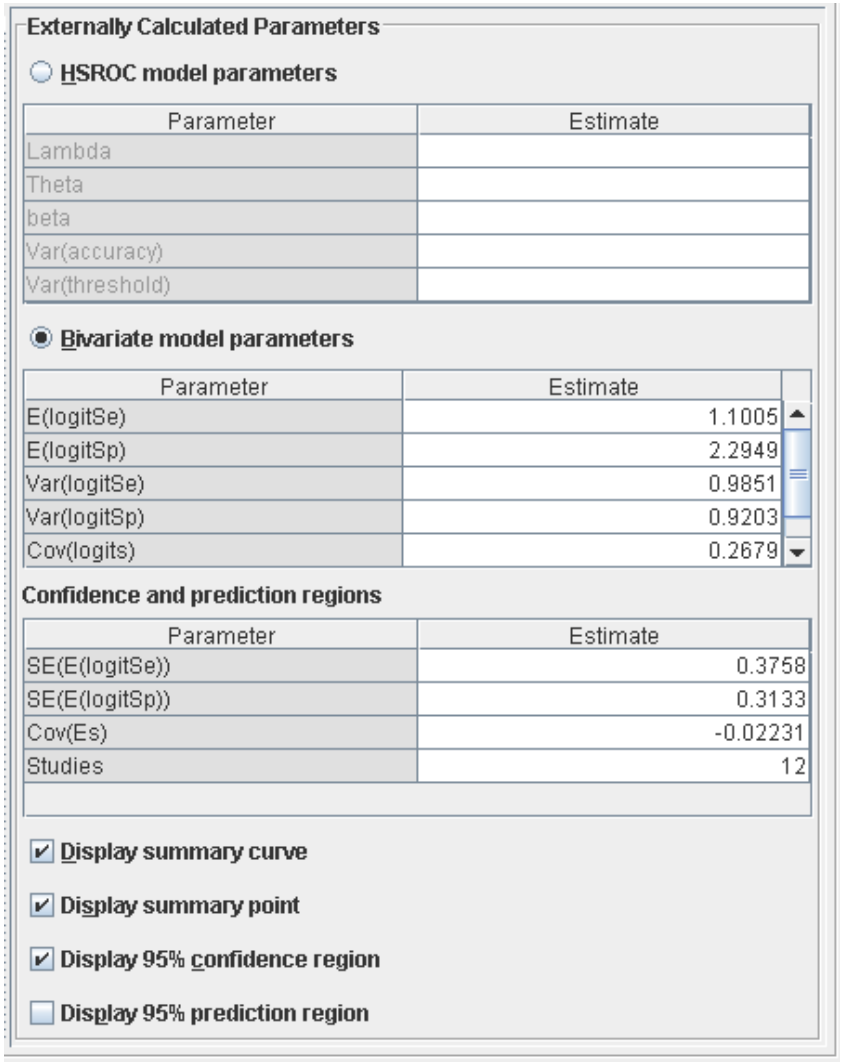


Add as Figure | Cancel

ROC Plot


Sensitivity
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Specificity

Parameters from external software

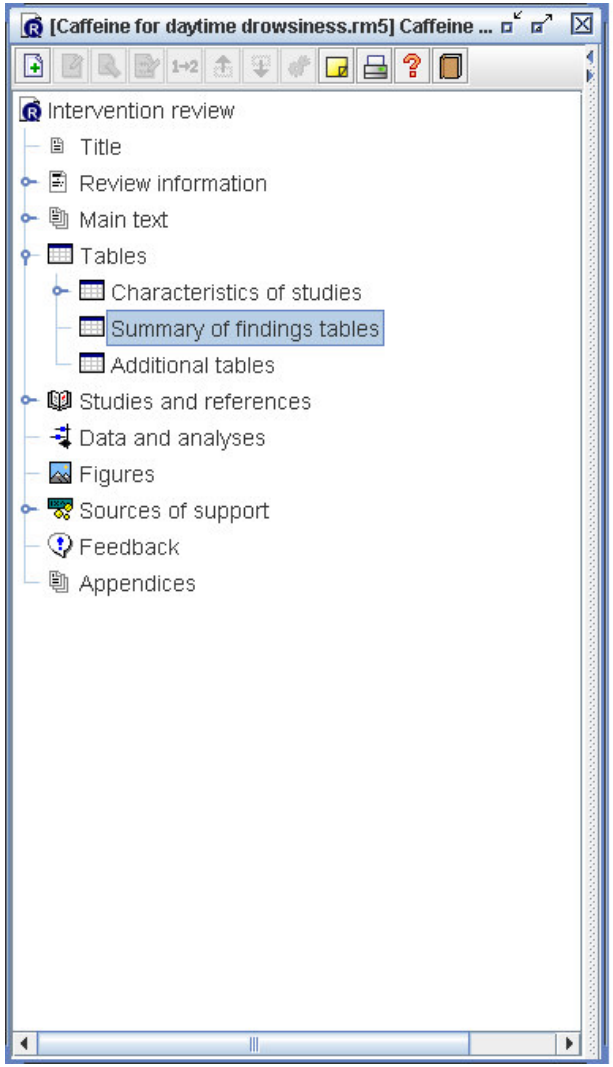


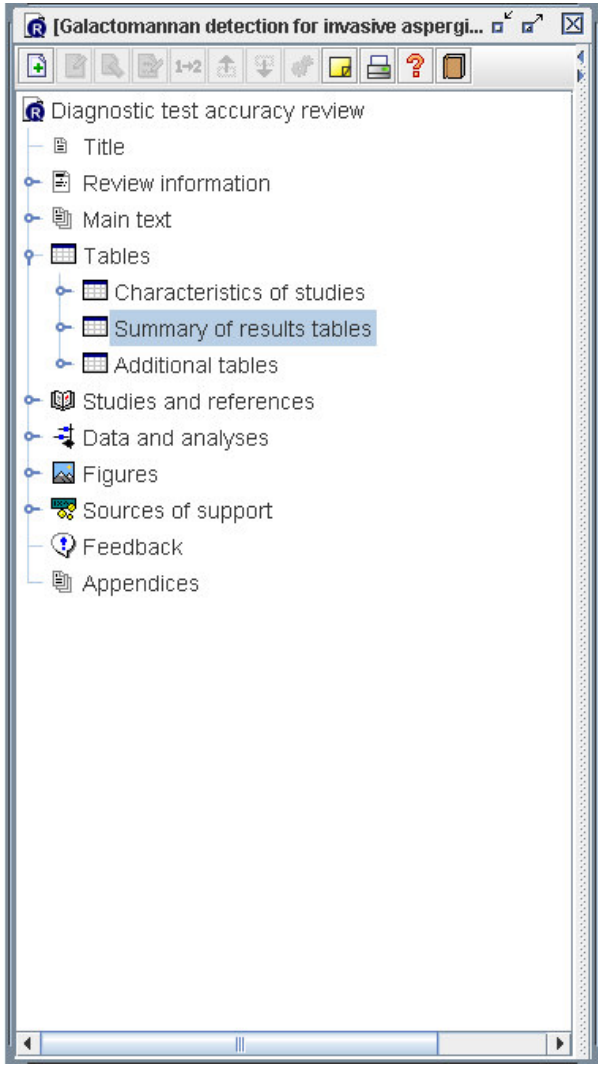
When all the results are analyzed…

… then we can build the Summary of Results Table

- What are the results of our search, inclusion and quality assessment?
- What are the results of our meta-analysis?
- How sure are we about these results?

SoF versus SoR





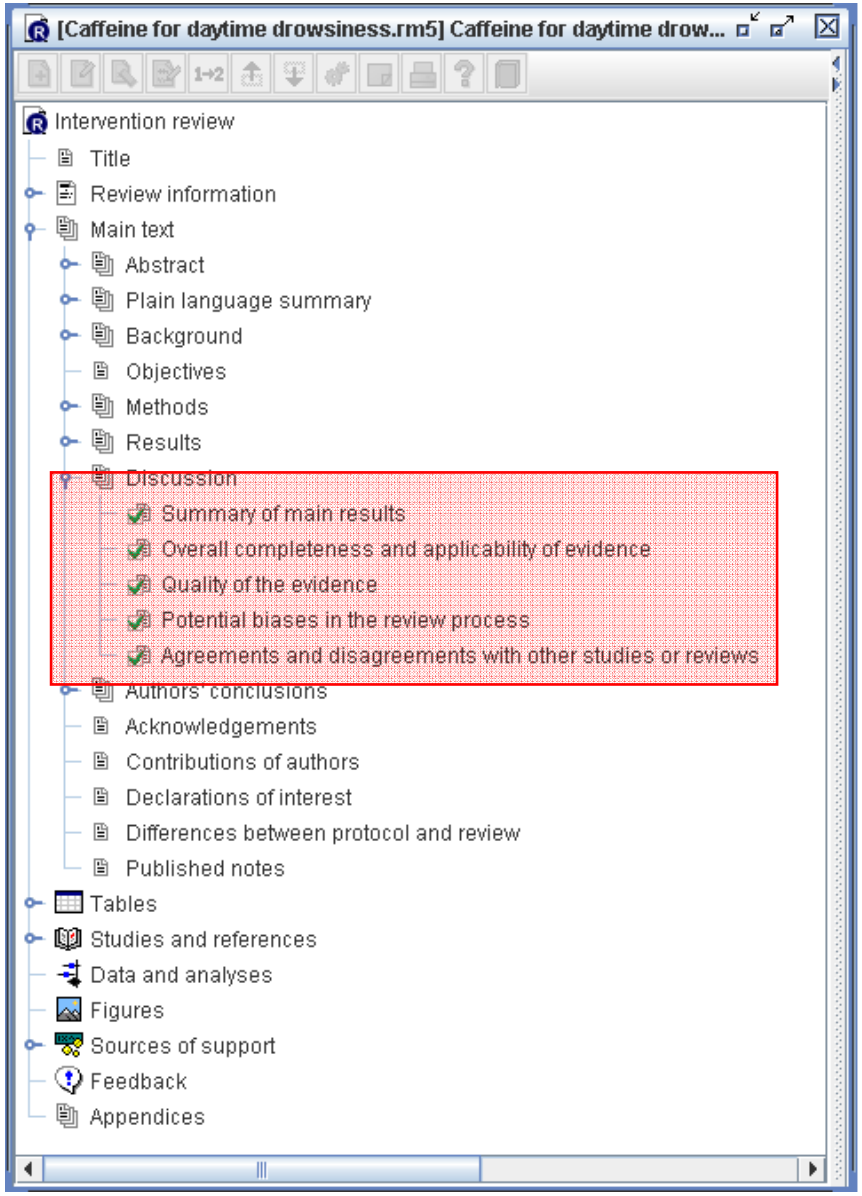
SoF versus SoR

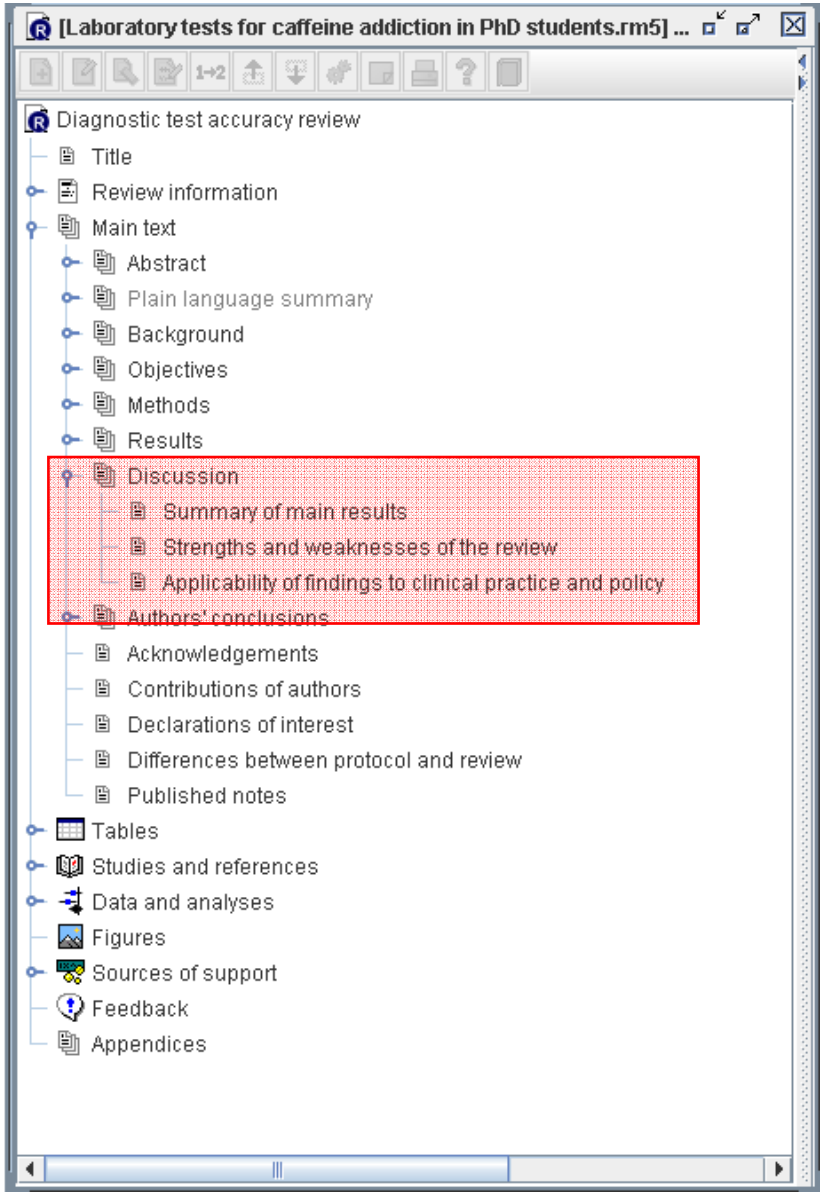
Intervention reviews

- Format for SoF table is clear and predefined
- You can use GRADE software to build SoF table

DTA reviews

- There is no predefined format
- Authors are explicitly invited to be creative
- There is no existing software to help you


[Caffeine for daytime drowsiness.rm5] Caffeine for daytime drow...
Intervention review
Title
Review information
Main text
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Summary of main results
Overall completeness and applicability of evidence
Quality of the evidence
Potential biases in the review process
Agreements and disagreements with other studies or reviews
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and review
Published notes
Tables
Studies and references
Data and analyses
Figures
Sources of support
Feedback
Appendices


[Laboratory tests for caffeine addiction in PhD students.rm5] ...
Diagnostic test accuracy review
Title
Review information
Main text
Abstract
Plain language summary
Background
Objectives
Methods
Results
Discussion
Summary of main results
Strengths and weaknesses of the review
Applicability of findings to clinical practice and policy
Authors' conclusions
Acknowledgements
Contributions of authors
Declarations of interest
Differences between protocol and review
Published notes
Tables
Studies and references
Data and analyses
Figures
Sources of support
Feedback
Appendices

Summary

- No Plain Language Summary
- Methodological Quality (not RoB)
- Summary of Results (not SoF)
- Differences in background
- Differences in methods: see upcoming presentations