

Milano, 9 marzo 2018

IRCCS Istituto di Ricerche
Farmacologiche Mario Negri,
Via La Masa 19

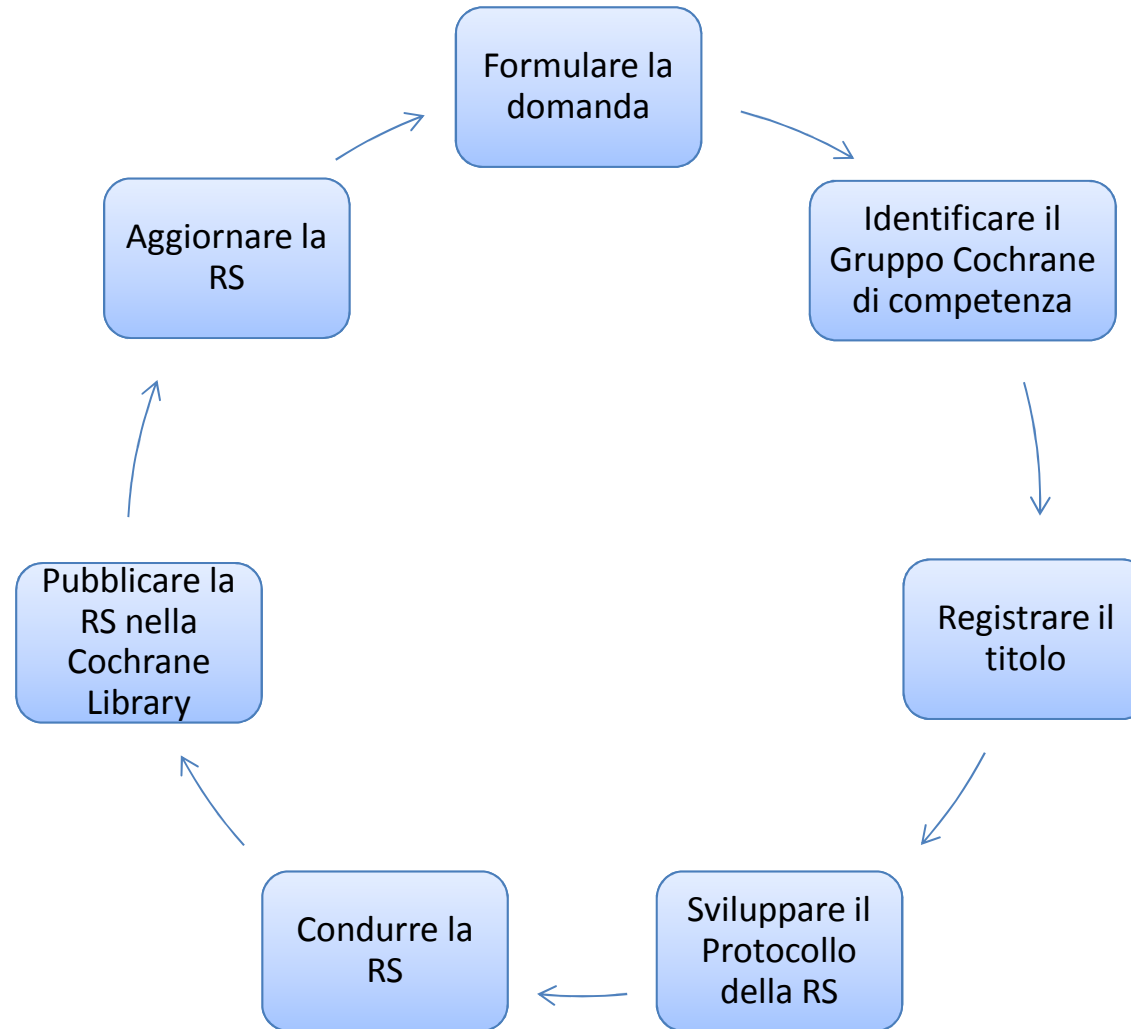
#cochraneit18



La struttura di una revisione sistematica degli studi di accuratezza diagnostica

Zuzana Mitrova
s.mitrova@deplazio.it

I passi di una RS Cochrane



Processo di pubblicazione RS Cochrane: dal titolo alla RS



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Formulare la domanda

Componenti di una domanda

Patients

Index test

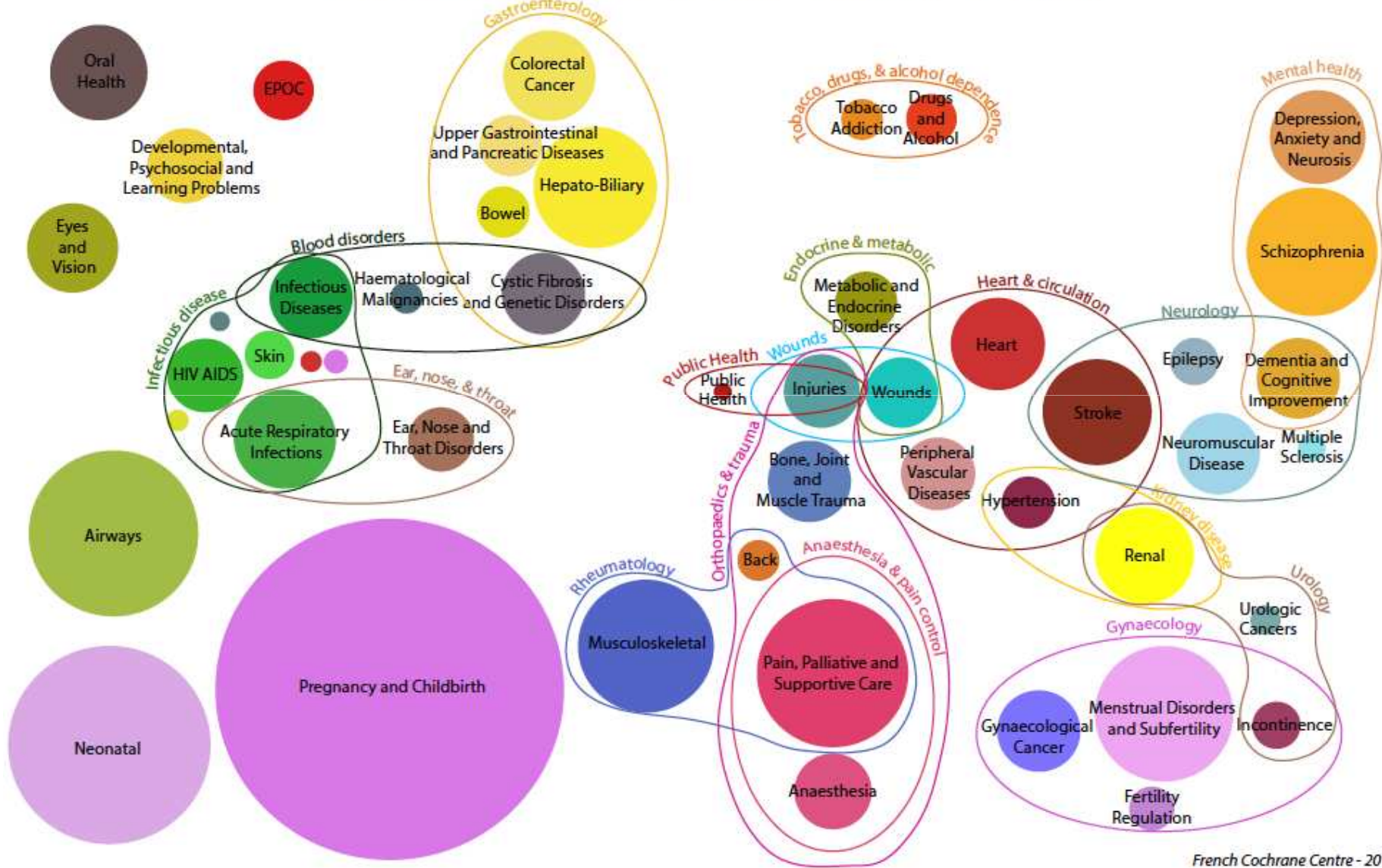
Comparator test

Target condition



Cochrane Reviews Groups Presentation by Health Topics

The circle size is proportional to the number of reviews published by the group



Registrare il titolo



Cochrane Drugs and Alcohol Group Review proposal form: diagnostic test accuracy reviews

Version 5, April 2014

Please complete this form to outline your proposal for a Cochrane systematic review. Email the completed form to s.mitrova@deplazio.it, or send to Zuzana Mitrova, Managing Editor, Cochrane Drugs and Alcohol Group, Department of Epidemiology, Lazio Regional Health Service, via C. Colombo 112, 00147 Rome (Italy). Ph: + 39 06 99722125.

Before completing this form:

- Make sure that your proposal falls within this group's scope and that it has not already been covered in another Cochrane Review. [Search The Cochrane Library](#) for published reviews and protocols, and [browse unpublished registered titles on Cochrane Summaries](#).
- Note that all authors must follow the [Cochrane Handbook for Systematic Reviews of Diagnostic Test Accuracy](#).
- Read [Managing expectations: what does The Cochrane Collaboration expect of authors, and what can authors expect of The Cochrane Collaboration](#)
- Be aware that preparing a Cochrane review requires a significant, long-term commitment. At least two authors are required before a title can be registered.

Proposed title

(use standard format, see [Handbook section 4.2.1](#))

[index test 1] versus [index test 2] for [target condition(s)] in [description of participants]

[index test 1] versus [index test 2] for [target condition(s)]

[index test(s)] for [target condition(s)] in [description of participants]

[index test(s)] for [target condition(s)]

Review proposal and inclusion criteria

(see [Handbook chapter 4](#))

Please provide enough information to make sure that the clinical context and the actual question that is being asked is clear for non-content experts as well.

Motivation for the review. For example, is this going to be part of a PhD; is it part of a larger project; is it particularly topical at the present time?

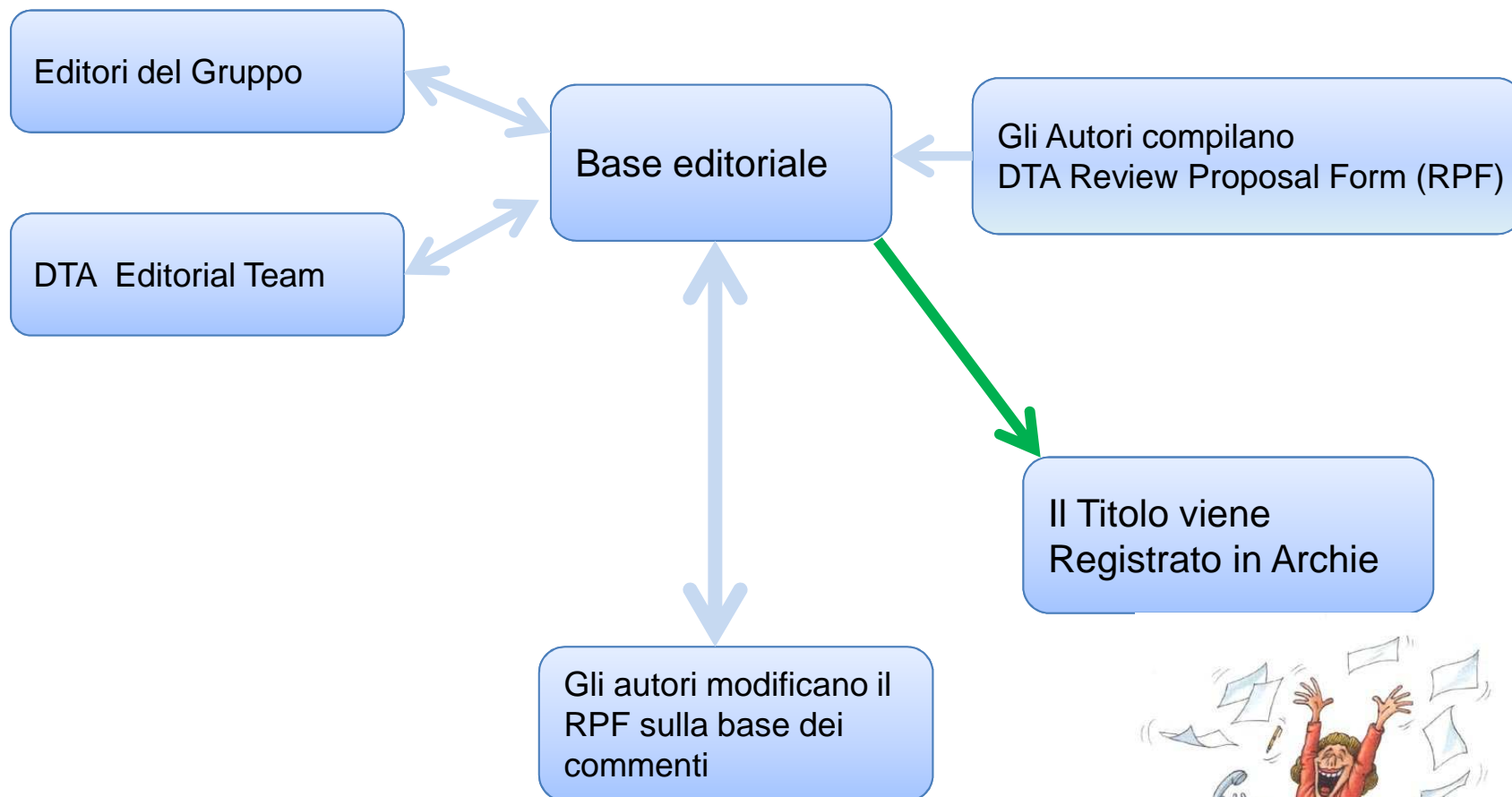
Background:

- i) *What is the clinical problem?*
- ii) *Describe the clinical*

Clinical problem:

Standard diagnostic practice:

Processo di registrazione di un titolo





Criteri per l'approvazione

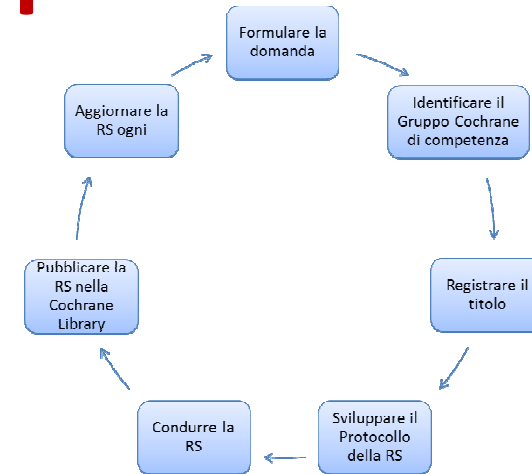
- L'argomento non è stato ancora trattato
- È tra gli scopi del Gruppo
- La questione clinica posta è rilevante
- L'argomento è probabilmente una priorità
- Il team che propone il titolo ha competenze sufficienti per condurre la revisione



Un titolo può essere registrato solo se il team è composto da autori con le seguenti competenze:

- ✓ Competenza in materia di contenuti (ovvero un clinico che abbia familiarità con la condizione target, specialista con esperienza in esecuzione del test)
- ✓ Almeno un autore che abbia familiarità con la conduzione di una revisione sistematica Cochrane
- ✓ Conoscenza della metodologia DTA
- ✓ Competenza statistica

DTA Editorial Team + DTA peer review



Valutano:

- Metodi utilizzati
- analisi
- presentazione e comunicazione dei risultati e loro interpretazione

Fatto da:

- Information specialist
- Statistici
- Metodologi esperti in revisioni diagnostiche

Titles DTA Reviews

New Review Wizard [Close]

New Review Wizard [Help] [Save]

What is the title of the review?

Title:

[Index test 1] versus [index test 2] for [target condition(s)] in [participant description]

[Index test 1] versus [index test 2] for [target condition(s)]

[Index test(s)] for [target condition(s)] in [participant description]

[Index test(s)] for [target condition(s)]

[Cancel] < Back Next > [Finish]

Il titolo viene registrato in Archie (il server della Cochrane Collaboration)



The terms and conditions for the use of Cochrane Account and Archie have been updated as of 10 November 2017. Please [review the new terms](#). Your continued use of Archie or your Cochrane Account indicates acceptance of these new terms and conditions. Reviews and translations scheduled for publication between 00:00 and 06:00 GMT on 1 March will be

[Cochrane Community](#) [Cochrane](#)

Organizer
Resources
Search

File View Tools Favourites Help

	Title	★ Contact Person	Rev No	● ○ Write Phase	Modified	Type
Active 4						
<input type="checkbox"/>	Effectiveness of Needle and syringe programs in redu	★ Minozzi, Silvia		○ Editorial	15/09/2016 10:58	Intervention review
<input type="checkbox"/>	Acupuncture for alcohol dependence	★ Fogarty, Sarah		○ Authoring	01/05/2015 06:37	Intervention review
<input type="checkbox"/>	Shared care for hepatitis C among patients receiving	★ McCombe, Geoff		○ Authoring	20/05/2016 09:38	Intervention review
<input type="checkbox"/>	Dexmetomedine for alcohol withdrawal syndrome	★ Tolosa-Rodriguez, I		○ Authoring	25/07/2017 22:06	Intervention review
Inactive 6						
<input type="checkbox"/>	Supervised Injection Facilities (SIFs) Effectiveness on	★ Boozary, Andrew		○ Authoring	20/05/2016 13:02	Intervention review
<input type="checkbox"/>	Efficacy of prevention programs and interventions for	★ Solà, Ivan		○ Authoring	20/05/2016 13:28	Overview of reviews
<input type="checkbox"/>	Effectiveness of non-pharmacological smoking cessat	★ May, Connie S		○ Authoring	30/11/2015 11:21	Intervention review
<input type="checkbox"/>	Computer-assisted versus oral-and-written CAGE que	★ Pappas, Yannis		○ Authoring	23/11/2015 15:54	Intervention review
<input type="checkbox"/>	Antipsychotic medication for alcohol dependence	★ Picci, Rocco L		○ Authoring	30/11/2015 12:41	Intervention review
<input type="checkbox"/>	Therapist supported e-health interventions for treatme	★ White, Angela Mari		○ Authoring	24/05/2016 11:57	Intervention review
Withdrawn 9						

- [-] Cochrane
 - [+] Favourites
 - [+] My Reviews
 - [+] Derivative Products
 - [-] Drugs and Alcohol Group
 - [+] People
 - [+] Module
 - [-] Reviews
 - [+] Full Reviews
 - [+] Protocols
 - [+] Registered Titles
 - [+] Vacant Titles
 - [+] Topics List
 - [+] Files
 - [+] Workflows

Viene creato un account per gli autori

Log in to access: **Archie**



Log in with your Cochrane Account

Username

Password

LOG IN

Your Cochrane Account is your key to all Cochrane systems and services, such as Cochrane Crowd, TaskExchange, RevMan, Cochrane Interactive Learning, and Archie.

Don't have an account?

[SIGN UP NOW](#)

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[Reset password](#)

Review Manager (RevMan)

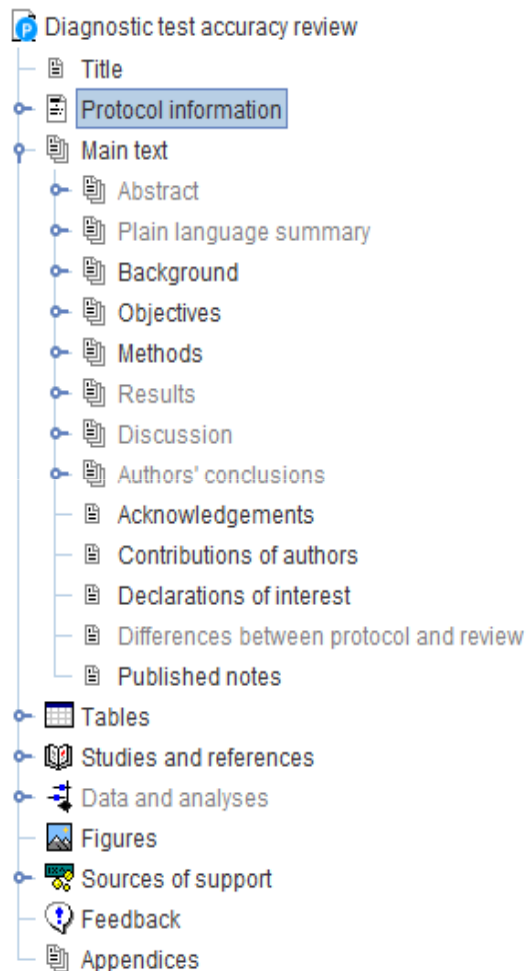
- software **obbligatorio** per le revisioni Cochrane
- gratuito per gli autori Cochrane e per uso accademico
- disponibile su <http://community.cochrane.org/tools/review-production-tools/revman-5>



Formato Standard per tutti i protocolli

- **Title**
- **Protocol Information:** authors, important dates, 'What's new'
- **Main text:** background, objectives and methods
- **Acknowledgements and Declaration of interests**
- **Tables:** relevant to background or methods
- **Studies and references:** relevant to background or methods
- **Source of support**
- **Appendices:** relevant to background or methods

Struttura di un protocollo in RevMan



Title

1. Background:

introduzione al problema preso in considerazione

2. Objective:

scopo della revisione

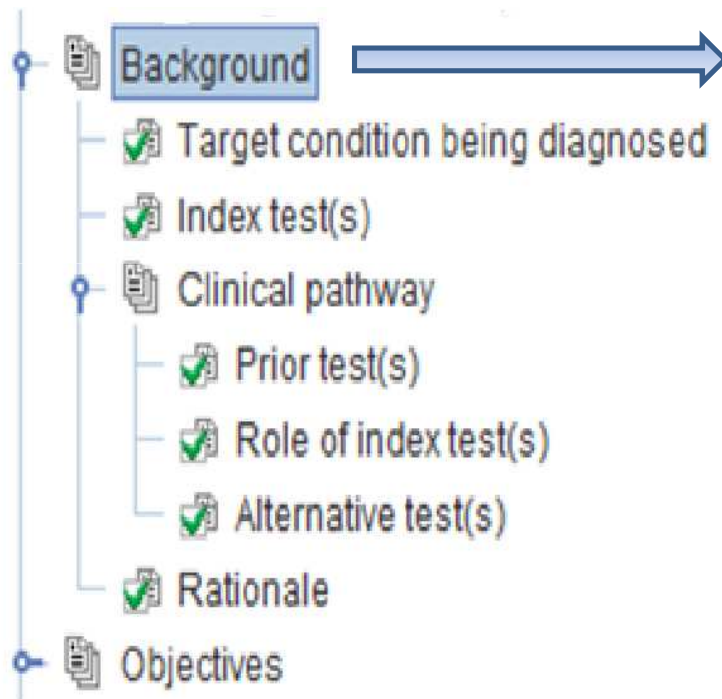
3. Methods:

- *Criteria for considering studies for this review:*
dichiarazione del tipo di studio preso in considerazione
- *Search methods for identification of studies:*
descrizione del tipo di ricerca bibliografica effettuata
- *Data collection and analysis:*
selezione e analisi dei dati

Background and Objectives

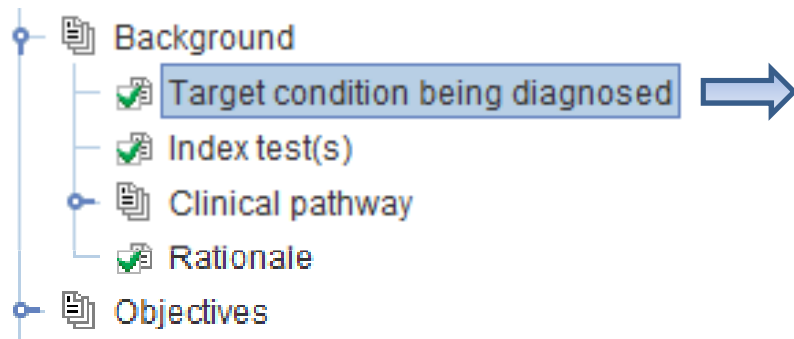
- Qual è il problema diagnostico che la revisione affronterà e perché è importante?
- Quali sono le malattie o le condizioni che devono essere diagnosticate?
- Quali test saranno valutati?
- Come viene effettuata attualmente la diagnosi e come si potrebbe utilizzare il/i test oggetto di studio?
- Potrebbe essere vantaggioso per i pazienti utilizzare questi test?
- Quali sono le ricerche già esistenti e in che modo questa revisione aggiungerà informazioni utili?

Background and Objectives



- Descrivere il contesto clinico
- Descrivere il quesito diagnostico
- Fornire i dati epidemiologici

Background and Objectives



- Definire le condizioni cliniche target
- Definire eventuali sottogruppi
- Delineare la frequenza, gravità, prognosi e possibili trattamenti delle condizioni cliniche oggetto di studio

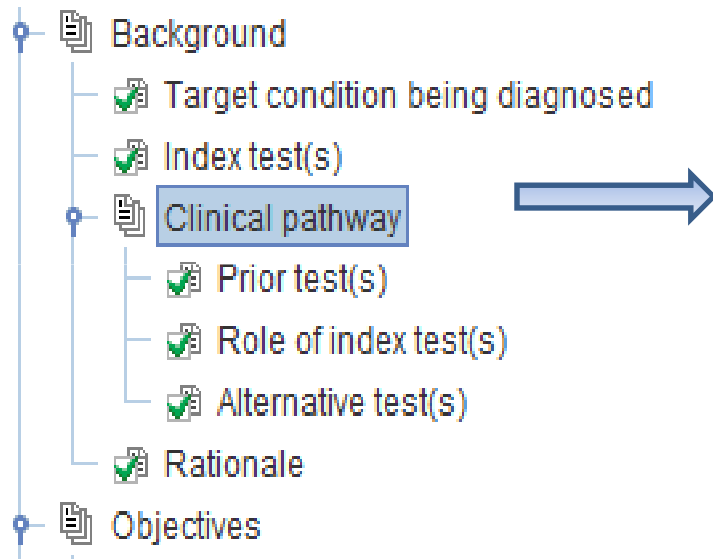
Background and Objectives

- Background
 - Target condition being diagnosed
 - Index test(s)
- Clinical pathway
 - Prior test(s)
 - Role of index test(s)
 - Alternative test(s)
- Rationale
- Objectives
 - Secondary objectives



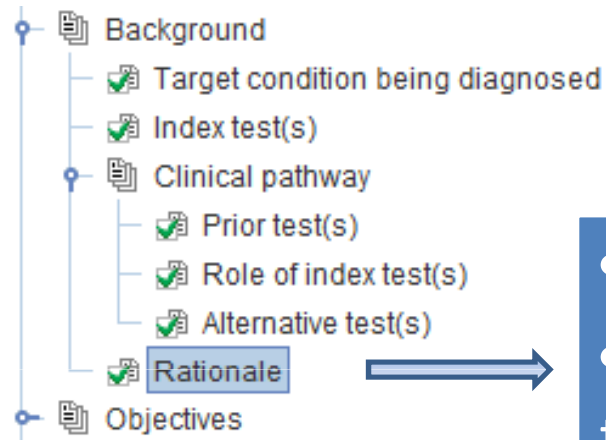
Descrizione del test in studio

Background and Objectives



- Descrivere come attualmente viene *effettuata* la diagnosi
- Descrivere come il test in studio si inserirà nei percorsi diagnostici esistenti
- Accennare a eventuali test correlati

Background and Objectives




- Giustificare l' importanza del quesito
- Spiegare come i pazienti potrebbero trarne beneficio
- Spiegare perché è necessaria una revisione della letteratura
- Spiegare in che modo la revisione si rapporterà con le prove esistenti

Mini-Cog for the diagnosis of Alzheimer's disease dementia and other dementias within a primary care setting

Protocol

Diagnostic

Dallas P Seitz , Bruce A Fage, Calvin CH Chan, Sudeep S Gill, Nathan Herrmann, Nadja Smailagic, Vasilis Nikolaou

Objectives

To determine the diagnostic accuracy of the Mini-Cog for diagnosing Alzheimer's disease dementia and related dementias in a primary care setting.

Secondary objectives

To investigate the heterogeneity of test accuracy in the included studies and potential sources of heterogeneity. These potential sources of heterogeneity will include the baseline prevalence of dementia in study samples, thresholds used to determine positive test results, the type of dementia (Alzheimer's disease dementia or all causes of dementia), and aspects of study design related to study quality.

Methods

Search methods for identification of studies

We will attempt to identify all relevant studies regardless of language or publication status (published, unpublished, in press, ongoing).

We will limit our searches to studies conducted in humans.

Electronic searches

To identify all relevant studies, we will search the following databases using the search terms and strategy described in [Appendix 1](#):

Cochrane Infectious Diseases Group Specialized Register; MEDLINE; EMBASE; MEDION; Science Citation Index; LILACS; IndMED; African Index Medicus.

MeSH and other search terms will include: Typhoid; Enteric Fever; Paratyphoid; *Salmonella* Typhi; *Salmonella* Paratyphi; rapid diagnostic tests; RDT; diagnostics; antigen detection; antibody detection; blood culture; bone marrow culture; Widal Test; Typhidot; Typhidot-M; TUBEX; lateral flow; agglutination; solid phase.

Searching other resources

We will also check the reference lists of all studies identified by the above methods, and we will manually search World Health Organization (WHO) reports.

We will also manually search papers from the 3rd (1997) to the 7th (2009) International Conferences on Typhoid Fever and other Salmonellosis.

We will contact test manufacturers to identify ongoing or unpublished studies.

Identificazione degli studi

Problemi di indicizzazione degli studi DTA

- Nessuna terminologia per il disegno di studio (MeSH: sensitivity-and-specificity)
- I filtri DTA non funzionano (perdita di articoli rilevanti)

Esempi di strategia di ricerca:

- Index Test(s) AND Target Condition
- Index Test(s) AND Target Condition AND Patient Description
- (Index Test(s) OR Reference Standard) AND Target Condition
- (Index Test(s) OR Reference Standard) AND Target Condition AND Patient Description

Molti più record

«da pulire»



Methods

- Methods
 - Criteria for considering studies for this review
 - Types of studies
 - Participants
 - Index tests
 - Target conditions
 - Reference standards
 - Search methods for identification of studies
 - Electronic searches
 - Searching other resources
 - Data collection and analysis
 - Selection of studies
 - Data extraction and management
 - Assessment of methodological quality
 - Statistical analysis and data synthesis
 - Investigations of heterogeneity
 - Sensitivity analyses
 - Assessment of reporting bias

- Descrivere il processo di selezione degli studi
- Descrivere il metodo per l'estrazione dei dati dai report (es. dati estratti, indipendentemente, in doppio)
- Descrivere quale sarà il processo di controllo

Methods

- Methods
 - Criteria for considering studies for this review
 - Types of studies
 - Participants
 - Index tests
 - Target conditions
 - Reference standards
 - Search methods for identification of studies
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 - Selection of studies
 - Data extraction and management
 - Assessment of methodological quality
 - Statistical analysis and data synthesis
 - Investigations of heterogeneity
 - Sensitivity analyses
 - Assessment of reporting bias

Valutazione della qualità metodologica

- Quale strumento di valutazione della qualità verrà utilizzato
- Descrivere eventuali adattamenti di strumenti di valutazione esistenti
- Se necessario, fornire una definizione degli indicatori relativi ai quesiti posti, ai rischi di distorsione e all'applicabilità dei loro risultati

Methods

- Methods
 - Criteria for considering studies for this review
 - Types of studies
 - Participants
 - Index tests
 - Target conditions
 - Reference standards
 - Search methods for identification of studies
 - Electronic searches
 - Searching other resources
 - Data collection and analysis
 - Selection of studies
 - Data extraction and management
 - Assessment of methodological quality
 - Statistical analysis and data synthesis
 - Investigations of heterogeneity
 - Sensitivity analyses
 - Assessment of reporting bias

Analisi statistica

- Confronti e analisi che si intendono effettuare
- Scelta del modello statistico
- Scelta del metodo statistico per test con differenti valori soglia
- Scelta del metodo statistico per investigare l'eterogeneità tra studi
- Ulteriori analisi

Struttura di una revisione in RevMan

Abstract: riassunto strutturato dei metodi e dei risultati

Plain language summary: riassunto in un linguaggio comprensibile anche ai pazienti e ai non addetti ai lavori

Background: introduzione al problema preso in considerazione

Objectives: obiettivi della revisione

Methods: metodologia utilizzata

Criteria for considering studies for this review: criteri di inclusione/esclusione degli studi

Search methods for identification of studies: descrizione del tipo di ricerche bibliografiche effettuate

Data collection and analysis: selezione e analisi dei dati

Results: risultati finali

Discussion: discussione sui risultati

Authors' conclusions: conclusioni degli autori basate sulle prove rinvenute

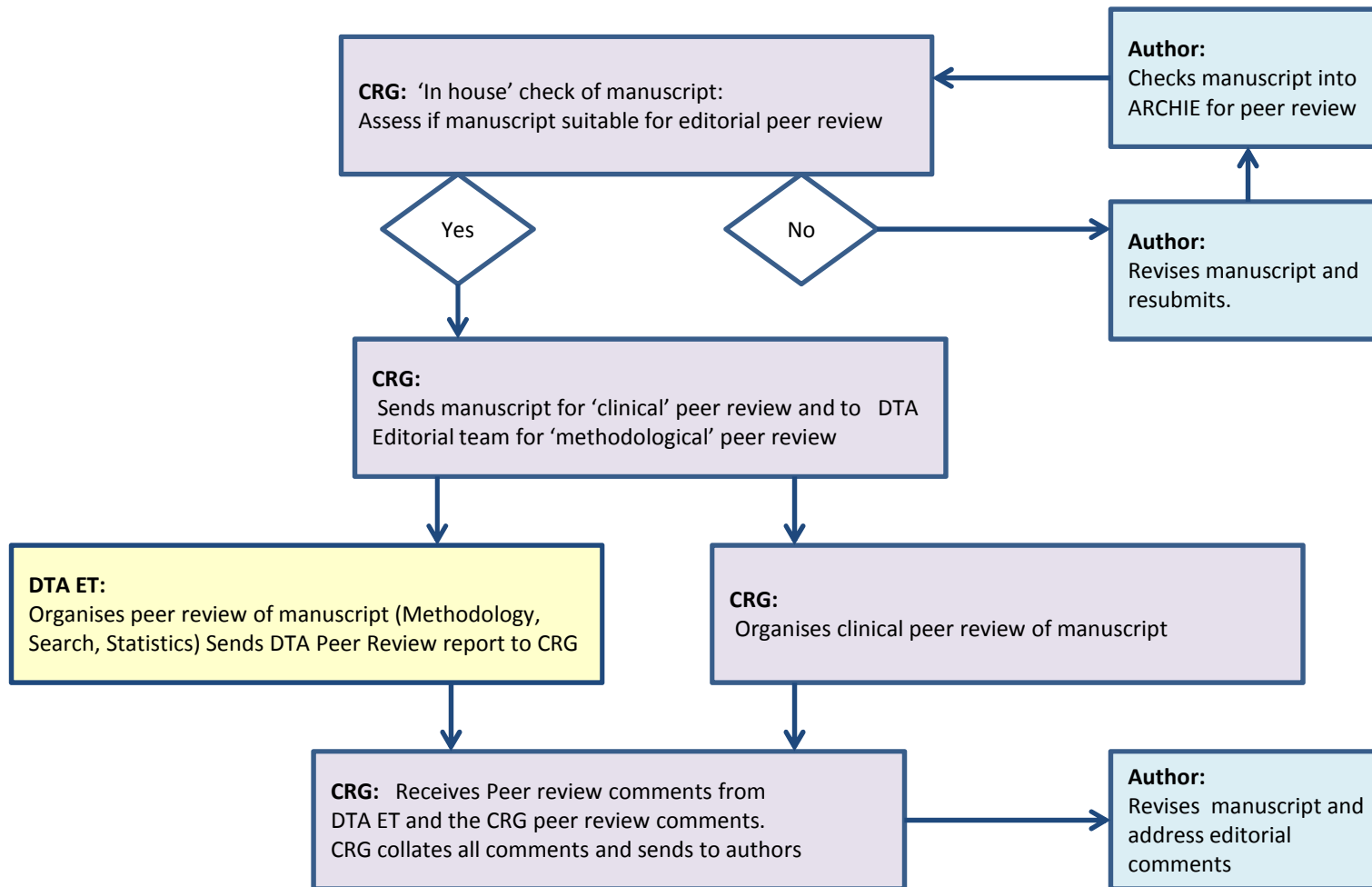
Vediamo una revisione in RevMan

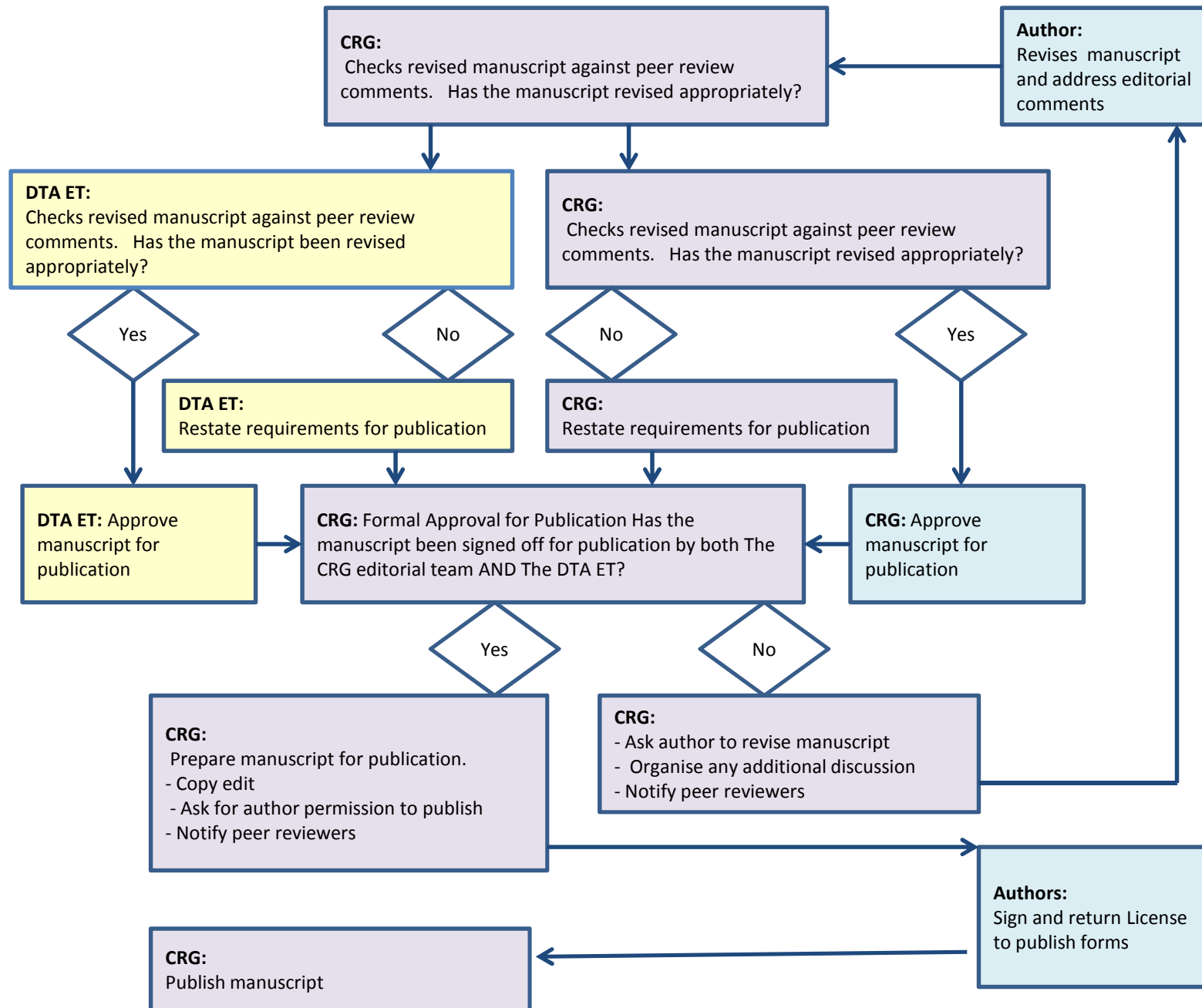


The screenshot shows the Cochrane Database of Systematic Reviews interface. On the left is a vertical navigation menu with icons for PDF, Info, References, Figures, and Tables. The main content area displays the following information:

- Cochrane Database of Systematic Reviews**
- Open Access  Creative Commons
- Rapid diagnostic tests for typhoid and paratyphoid (enteric) fever**
- Review  Diagnostic 
- Lalith Wijedoru , Sue Mallett, Christopher M Parry
- First published: 26 May 2017
- Editorial Group: [Cochrane Infectious Diseases Group](#)
- DOI: [10.1002/14651858.CD008892.pub2](https://doi.org/10.1002/14651858.CD008892.pub2) [View/save citation](#)
- Cited by (CrossRef): 0 articles  [Check for updates](#)
-  score  4

Processo editoriale e peer review





Chi può aiutare?

- Cochrane Review Group (CRG) che rappresenta il primo punto di contatto per gli autori
- Information Specialist del Gruppo
- DTA Editor del Gruppo (se presente)
- Aiuto locale da uno information specialist, metodologo e statistico
- DTA Handbook
- <http://methods.cochrane.org/sdt>