

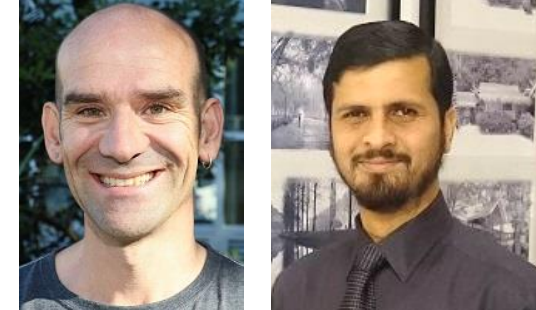
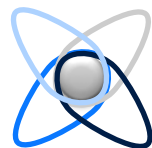
Cochrane Rehabilitation 2nd annual report - 2018

Stefano Negrini

Chair of Physical and Rehabilitation Medicine
University of Brescia, Don Gnocchi Foundation
Director of Cochrane Rehabilitation

**Trusted evidence.
Informed decisions.
Better health.**





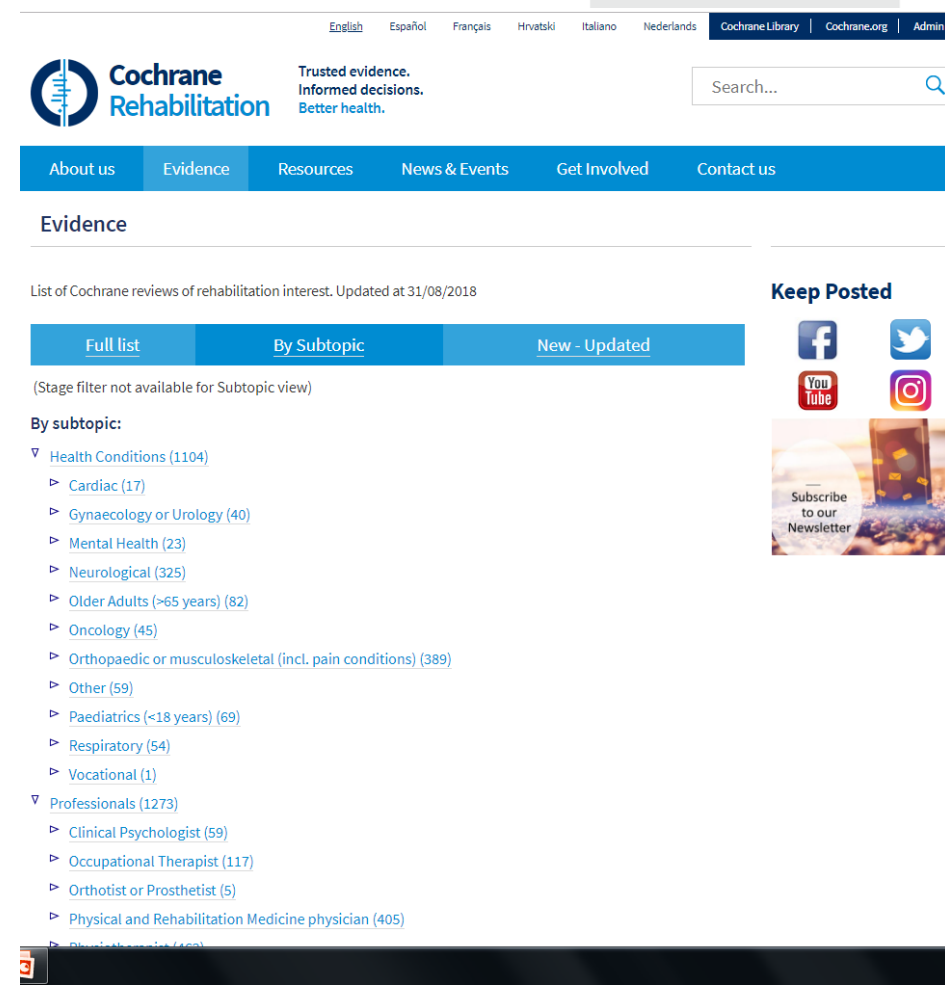
Reviews Committee

‘Tagged all the Cochrane reviews from 1996 to August 2018
Ongoing process to constantly update the results

Levack WM, Rathore FA, Pollet J, Negrini S.

One in 11 Cochrane reviews are on rehabilitation interventions, according to pragmatic inclusion criteria developed by Cochrane Rehabilitation.

Arch Phys Med Rehabil. 2019 Mar 1.



English Español Français Hrvatski Italiano Nederlands Cochrane Library Cochrane.org Admin

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Evidence

List of Cochrane reviews of rehabilitation interest. Updated at 31/08/2018

Full list By Subtopic New - Updated

(Stage filter not available for Subtopic view)

By subtopic:

- Health Conditions (1104)
 - Cardiac (17)
 - Gynaecology or Urology (40)
 - Mental Health (23)
 - Neurological (325)
 - Older Adults (>65 years) (82)
 - Oncology (45)
 - Orthopaedic or musculoskeletal (incl. pain conditions) (389)
 - Other (59)
 - Paediatrics (<18 years) (69)
 - Respiratory (54)
 - Vocational (1)
- Professionals (1273)
 - Clinical Psychologist (59)
 - Occupational Therapist (117)
 - Orthotist or Prosthetist (5)
 - Physical and Rehabilitation Medicine physician (405)
 - Physiotherapist (169)

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Communication Committee



	2017	2018
Website	4727	7073
Newsletter	361	801
Twitter	715	1485
Facebook	1292	2040
Instagram	-	532
U-tube channel	28	76
Blogshots	4	39





Blogshots



Elektromechanische en robot ondersteunde training van de arm voor het verbeteren van activiteiten van het dagelijks leven, functie en spierkracht van de arm na een hersenbloeding

Elektromechanische en robot ondersteunde training, vergeleken met alle andere interventies, verbeteren activiteiten van het dagelijks leven en functie en spierkracht van de arm bij volwassenen na een hersenbloeding aan het einde van de behandeling.

Cochrane Review; 45 studies met 1619 volwassenen na een hersenbloeding, vergelijken elektromechanische en robot ondersteunde training van de arm vs. alle andere interventies.

Cochrane Review door: Cochrane Stroke Group



rehabilitation.cochrane.org | @CochraneRehab | #CochraneEvidence <http://bit.ly/RehabCD006876> | Vertaald door Cochrane Belgium



Rehabilitación cardíaca basada en ejercicio para personas con dispositivos de asistencia ventricular implantables

Es incierto que la rehabilitación cardíaca basada en ejercicio reduzca la mortalidad, la re-hospitalización y la infección en personas con dispositivos de asistencia ventricular implantables en comparación con el cuidado usual.

VACÍO EN LA EVIDENCIA

Revisión de Cochrane; 2 estudios que incluyeron 40 adultos con dispositivos de asistencia ventricular implantables, que compararon la rehabilitación cardíaca basada en el ejercicio vs. el cuidado usual.

Revisión de Cochrane por: Cochrane Heart Group



rehabilitation.cochrane.org | @CochraneRehab | #CochraneEvidence <http://bit.ly/RehabCD012222> | Traducido por Grupo Rehabilitación en Salud-Universidad de Antioquia



Vježbanje kod reumatoidnog artritisa šaka

Vježbanje poboljšava snagu i jačinu pincetnog hvata obje šake, što može povećati funkciju šake i suradljivost pacijenta te može srednjoročno i dugoročno umanjiti bol. Nema izvještaja o nuspojavama vježbanja.

Autori pregleda nisu sigurni da li vježbanje poboljšava funkciju šake, snagu i jačinu pincetnog hvata samo lijeve ili desne šake te djeluje li na kratkoročno smanjenje boli.

Cochrane pregled; 7 studija u koje je uključena 841 odrasla osoba s reumatoidnim artritisom, usporedba sa stanjem bez vježbanja.

Cochrane sustavni pregled izradila: Cochrane grupa za mišićnokožnati sustav.



rehabilitation.cochrane.org | @CochraneRehab | #CochraneEvidence <http://bit.ly/RehabCD003832> | Prevodeno od strane: Hrvatsko društvo za fizikalnu i rehabilitacijsku medicinu Hrvatskog liječničkog zbora



La Riabilitazione vocazionale favorisce il ritorno all'attività lavorativa dopo lesioni traumatiche agli arti superiori

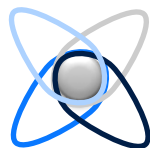
Non siamo sicuri che la riabilitazione vocazionale migliori le abilità per il ritorno all'attività lavorativa dopo lesioni traumatiche agli arti superiori. Anche gli effetti sullo stato funzionale e sulla qualità della vita risultano incerti.

EVIDENCE GAP.

Revisione Cochrane; non sono stati trovati studi idonei

Cochrane Review by: Cochrane Work Group

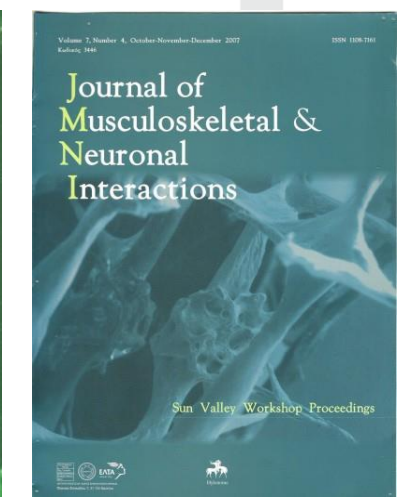
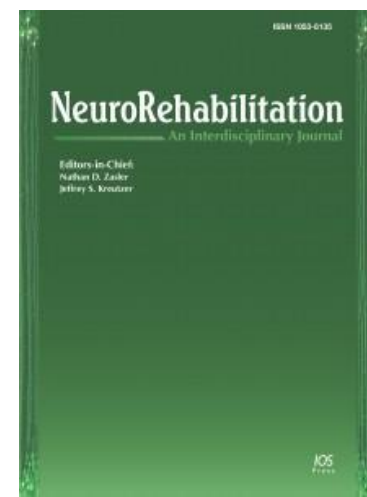
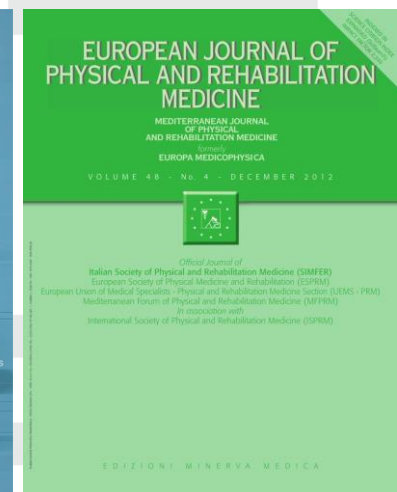
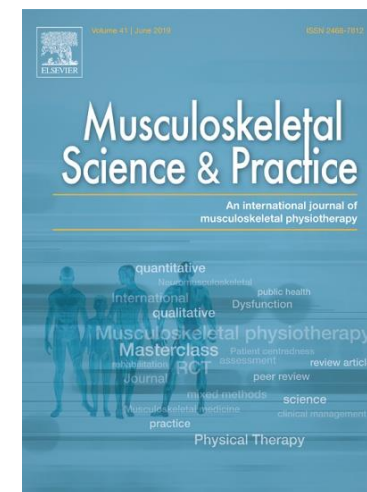
rehabilitation.cochrane.org | @CochraneRehab | #CochraneEvidence <http://bit.ly/2kQwJm8> | tradotto da SIMFER

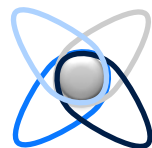


Publication Committee

Cochrane Corners

- Musculoskeletal Science & Practice (Manual therapy): 2.330
- European Journal of Physical and Rehabilitation Medicine: 2.208
- American Journal of Physical Medicine & Rehabilitation: 1.843
- Neurorehabilitation: 1.779
- Journal of Musculoskeletal & Neuronal Interactions: 1.651





Education Committee

Workshops

- General introduction: what is Cochrane and Cochrane Rehabilitation
- Cochrane Rehabilitation results
- Other EBM material

Courses and video-presentations on EBM and Cochrane



In the rehabilitation world, there is **wide-spread diffidence** towards Cochrane Reviews and their results. → One aim of Cochrane Rehabilitation is to change this attitude while increasing quantity and quality of Cochrane Reviews in this field.

According to the World Health Organization (WHO), Rehabilitation is a set of measures that assist individuals, who experience or are likely to experience disability, to achieve and maintain optimum functioning in interaction with their environments.



Rehabilitation aim: allowing **participation** through reduction of **impairments** (body damages) and **Activity limitations** (impossibility to perform «normal» activities of the human being), and control of **environment and personal factors**

Our study
 We performed a **survey** among Cochrane Reviews authors who joined Cochrane Rehabilitation to understand the problems they reported about evidence



Actions of Cochrane Rehabilitation to answer these questions

01	02	03	04
Network Building Connect stakeholders in a given area to create a global network, including those involved in: <ul style="list-style-type: none"> Production; Dissemination; and Implementation of evidence-based practice. This should be integrated with and facilitated by Cochrane Membership.	Building Demand / Advocacy Advocate for Cochrane or other PM to be used in decision making. <ul style="list-style-type: none"> Promote evidence-based practice Promote Cochrane Evidence Provide education and training on the methods and application of Cochrane Evidence for stakeholders Linked to this is a role in internal promotion/advocacy to emphasise the external stakeholder needs to those within Cochrane. This maps to the knowledge translation strategy Themes 3 and 5	Knowledge Translation Outputs This is the outward communication of Cochrane evidence through activities such as: <ul style="list-style-type: none"> Re-packaging content; Producing summaries; and Disseminating to targeted stakeholders Precise activities will be recommended in the Cochrane Knowledge Translation Strategy and a Field will then prioritise based on the needs of their stakeholders. This maps to the knowledge translation strategy Theme 2	Stakeholder Engagement The KT strategy will emphasise the directional nature of KT. Cochrane stakeholders can inform: <ul style="list-style-type: none"> Outcome priorities Review topic priorities Cochrane methodological research Opportunities for collaboration and commissioned work will also flow through these channels as we understand the needs of our stakeholders. This maps to the knowledge translation strategy Themes 1 and 4

Methodology Committee

A think tank to help solving problems of EBM in PRM

Already done:

- Two surveys on EBM problems in Rehabilitation
- Cochrane Rehabilitation Corner paper in the European Journal of Physical and Rehabilitation Medicine
- Cochrane Rehabilitation Methodological Meeting 2018 & 2019

Yearly journal special issues and/or sections on methodology:

- First one in European Journal of Physical and Rehabilitation Medicine

Partners

- ◆ [Mission and Goals](#)
- ◆ [Perspective](#)
- ◆ [Organisational Chart](#)
- ◆ [Field Director](#)
- ◆ [Field Coordinator](#)
- ◆ [Executive committee](#)
- ◆ [Committees](#)
- ◆ [Advisory Board](#)
- ◆ [Community](#)
- ◆ [Activities](#)
- ◆ [Partners](#)
 - ◆ [Hosting and Financing](#)
 - ◆ [International and Regional Societies](#)
 - ◆ [Journals](#)
 - ◆ [National Societies](#)
 - ◆ [Universities, Hospitals, Research Centres and other organizations](#)

Cochrane Rehabilitation has been signing Memoranda of Understanding in order to create partnerships with different Groups, Societies, Universities, Hospitals, Journals and other Rehabilitation stakeholders.

Partners are defined according to their relationships with Cochrane Rehabilitation as:

- [Hosting and Financing](#)
- [Financing and Strategic](#)
- [Strategic](#)
- [Journals](#)
- [National Societies](#)
- [Universities, Hospitals, Research Centres and other organizations](#)

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Special projects

Cochrane Rehabilitation **ebook**

- European PRM bodies (coauthors and financiers)
- Vanvitelli University of Naples – Prof F Gimigliano
- from 2019 also University Politecnica of Ancona – Prof MG Ceravolo

Prioritization Process

- National Societies (through European Bodies and ISPRM)

Be4rehab

- World Health Organization (WHO)

Rehabilitation definition



Cochrane Rehabilitation prioritization project

There are not data about the coverage of rehabilitation relevant topics and if there are gaps in the current CSR production.

Objectives: Identify the **current research gaps in Cochrane Review** production and define the priorities for research among these gaps.

Methods: Four **Delphi Rounds** via online surveys engaging 100 rehabilitation professionals (9 different professions) from 39 countries in 5 continents. The prioritization project starts from the **Cochrane Rehabilitation ebook index**.

Cochrane Rehabilitation ebook index

1. Rehabilitation approach to **Musculoskeletal** health conditions
2. Rehabilitation approach to **Neurological** health conditions
3. Rehabilitation approach to **Pain** health conditions
4. Rehabilitation approach to **Cardiovascular and Pulmonary** health conditions
5. Rehabilitation approach to **Internal medicine** health conditions
6. Rehabilitation approach to **Cancer- Organ Transplant and Immune-compromised** health conditions
7. Rehabilitation approach to **Pelvic floor** health conditions
8. Rehabilitation approach to **Psychiatric** health conditions
9. Rehabilitation approach to **Sport medicine** health conditions
10. Rehabilitation approach to **Pediatric** health conditions
11. Rehabilitation approach to **Geriatric** health conditions
12. Rehabilitation **management**
13. General **prophylaxis** approach using rehabilitation interventions



Background



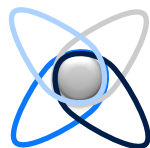
Objectives

To produce, in collaboration with the World Health Organization (WHO), the Minimum Package of Rehabilitation Interventions for Ministries of Health collecting data from selected best Guidelines and Cochrane Systematic Reviews on 21 health conditions.

Cochrane Rehabilitation role:

- Co-responsible of the methodology
- Recruitment and methodological overview of 10 out of 21 existing review groups
- Extraction of the best available evidence from Cochrane Systematic Reviews





Results

Methodological support to Technical Working Groups:

3 groups completed their task

7 are actively working

The provided assistance included:

- Running bibliographic researches
- Evaluating found Guidelines against inclusion and exclusion criteria
- Evaluating methodological quality of found Guidelines
- Controlling the quality of Technical Working Groups work

Amputation	Low back pain
Fractures	Osteoarthritis
Sarcopenia	Parkinson's disease
Chronic Obstructive Pulmonary Disease	Rheumatoid arthritis
Ischemic heart disease	Traumatic Brain Injury

Results

Data extraction form Cochrane Systematic Reviews:

244 Cochrane Systematic Reviews on 17 health conditions were selected:

- 157 have a Summary of Findings table and GRADE assessment
- 87 lack the Summary of Findings and GRADE assessment

Data from 65 reviews were extracted

For 31 of the 65 reviews a Summary of Finding and GRADE assessment were prepared

Results were shared with the Peer Review Group of the WHO



RCT Rehabilitation Checklist - RCTRaCk

To produce a **checklist of items** to be followed

- in the **reporting** of RCTs in rehabilitation
 - as an **add-on** (not substitution) to the **CONSORT Non-Pharmacological Treatment Studies checklist**
- in the **conduct** and **risk of bias evaluation** of RCTs in rehabilitation
 - as an **add-on** (not substitution) to the **Cochrane Risk of Bias tool**.

To identify **areas of methodological research** to fill gaps in the actual relevant knowledge – toward a constant development of the RCTRaCk



Technical Working Groups

Aim: identification of the item(s) to be added to the CONSORT Non-Pharmacological Treatments Guideline in the RCTRaCk checklist

Composition: Responsible and the team he/she will chose

- **Methods**

- **Systematic/scoping review** on the identified topic OUTSIDE the world of rehabilitation
- Proposal of the preliminary item(s) for the **draft version of the RCTRaCk**

- **Results**

- Presentation at the **Orlando 2020 Consensus Meeting** for general discussion
- **Publication** of the systematic/scoping review



Consensus Conference 2020 @ ISPRM Orlando

Participants

- RCTRaCk Executive Committee
- Chief-Editor of the Special issue (Tbd)

Technical Working Groups reporting:

- Presentation of systematic/scoping reviews
- Proposal of preliminary item(s) and relevant description

Definition of the preliminary items to be kept in the **draft RCTRaCk**



Delphi Rounds

Thresholds

- >80% agreement: accept
- 40-80%: equipoise – further round
- <40% disagreement: reject

First round: **refinement of items and descriptions**

- Suggestions and possible approval

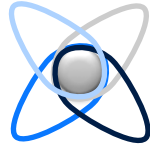
Second round: **further refinement of items and descriptions**

- New version and approval

Third round: **final approval**

- Final approval





Final products

Publication

- Major medical/epidemiological journal
- Co-publication in all adhering rehabilitation journals

Manual

- Special issue of a rehabilitation journal

Presentations

- Main meetings worldwide by member of the Executive Committee





Penile rehabilitation for postprostatectomy erectile dysfunction

Cochrane Systematic Review - Intervention | Version published: 23 October 2018


<https://doi.org/10.1002/14651858.CD012414.pub2>

Am score 11

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Key results

We found that the men who used these medicines on a scheduled basis may have had similar self-reported erections and quality of erections (based on questionnaires they filled out) as men who took no medication regularly or use it as needed...

Objectives

To perform a systematic review that could:

- Develop a **practical definition** to be used **within Cochrane**
- Solicit a **worldwide discussion** to reach an agreed definition
- Provide **material to the stakeholders** for their own political decisions

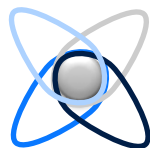


Methods

The project will follow three sequential phases:

- **Collection** of world definitions
 - Direct questions to Scientific Societies multiprofessionally about their own definition and definitions in use in their Country
- **Expert Consensus Meeting** (February 2020)
- A **Consensus** will be achieved through a Delphi process **within** the world of rehabilitation
- A **Consensus** will be achieved through a Delphi process **outside the world of rehabilitation**





Thank you

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