

Validation of a new instrument to assess clinical reasoning in physiotherapists

Submission date 29/12/2015	Recruitment status No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 08/01/2016	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 21/02/2017	Condition category Other	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

Plain English summary of protocol

Background and study aims

Understanding a patient's problems and being able to find the most appropriate course of treatment (clinical reasoning) is a vital part of health care. However, currently there is no way to effectively measure how well a healthcare professional is able to do this. The aim of this study is to develop a questionnaire which measures clinicians' clinical reasoning behaviours during their daily practice.

Who can participate?

Physiotherapists who work in a clinical setting for more than five hours per week.

What does the study involve?

Participants complete a questionnaire showing their agreement or disagreement with a list of statements related to their clinical reasoning behaviours during their daily practice.

What are the possible benefits and risks of participating?

There are no benefits and risks for participants.

Where is the study run from?

School of Nursing and Physiotherapy of the University of Salamanca (Spain)

When is the study starting and how long is it expected to run for?

January 2016 to March 2016

Who is funding the study?

University of Salamanca (Spain)

Who is the main contact?

1. Dr Ana María Martín Noguerras (scientific)
2. Mr Pablo Cesar Garcia Sanchez (public)

Contact information

Type(s)

Scientific

Contact name

Dr Ana María Martín Nogueras

Contact details

C/ Donantes de Sangre, s/n
Salamanca
Spain
37007

Type(s)

Public

Contact name

Mr Pablo Cesar Garcia Sanchez

ORCID ID

<https://orcid.org/0000-0002-7053-1857>

Contact details

Av. Carmen Martín Gaité 15
ESC. 4 3ºB
Leganes
Spain
28919

Additional identifiers

Protocol serial number

N/A

Study information

Scientific Title

Validity of the Clinical Reasoning Scale (CRS): assessing clinical reasoning behaviours in physiotherapists

Study objectives

The aim of this study is to develop a questionnaire which measures clinicians' clinical reasoning behaviours and its dimensions during their practice

Ethics approval required

Old ethics approval format

Ethics approval(s)

Bioethics Committee of Salamanca University, 24/05/2016

Study design

Observational cross sectional study

Primary study design

Observational

Study type(s)

Not Specified

Health condition(s) or problem(s) studied

Clinical Reasoning in physiotherapists

Interventions

Participants will complete a questionnaire showing their agreement or disagreement with a list of statements related to their clinical reasoning behaviours during their daily practice. Those items were generated and built during the development phase of the questionnaire design and assessed by experts in the field to evaluate content and face validity, and by physiotherapists to establish the feasibility of the tool.

Intervention Type

Other

Primary outcome(s)

Final selection of items in the questionnaire

Key secondary outcome(s)

Accurate aggrupation of items under the selected subscales:

1. Cognitive Reasoning vs. Interactive Reasoning
2. Diagnostic Reasoning vs. Managment/Treatment Reasoning

Completion date

01/08/2017

Eligibility

Key inclusion criteria

Physiotherapists working in a clinical setting.

Participant type(s)

Health professional

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

1. Less than 5 hours/week Clinical Work
2. Not doing one of the following duties in their job:
 - 2.1. Subjective examination
 - 2.2. Objective examination
 - 2.3. Management/treatment

Date of first enrolment

01/03/2017

Date of final enrolment

30/04/2017

Locations

Countries of recruitment

Spain

Study participating centre

Escuela Universitaria de Enfermería y Fisioterapia de la Universidad de Salamanca

C/ Donantes de Sangre, s/n

Salamanca

Spain

37007

Sponsor information

Organisation

University of Salamanca (Universidad de Salamanca) (Spain)

ROR

<https://ror.org/02f40zc51>

Funder(s)

Funder type

University/education

Funder Name

University of Salamanca (Universidad de Salamanca) (Spain)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Available on request

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes