

# Validation of a new instrument to assess clinical reasoning in physiotherapists

<b>Submission date</b> 29/12/2015	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 08/01/2016	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 21/02/2017	<b>Condition category</b> 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**

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**Type(s)**

Public

**Contact name**

Mr Pablo Cesar Garcia Sanchez

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## 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