

**Cochrane Belgium course for doctoral school: How to write a protocol for systematic reviews and how to conduct systematic reviews in the clinical context**

<i>Day 1</i>	
<b>08.45 – 09.00</b>	<b>Reception and welcome coffee</b>
09.00 – 09.30	<i>Introduction to the course and the Cochrane collaboration</i>
	Who are we (CEBAM & Cochrane Belgium)? What is (and what is not) in the course? What is Cochrane, Campbell and Joanna Briggs Institute?
09.30 – 10.30	<i>What is a (Cochrane) systematic review &amp; how do you start?</i>
	What is the difference between a narrative and a systematic review? What is special about a Cochrane systematic review? What are the basic steps in the process of an SR?
<b>10.30 – 10.45</b>	<b>Coffee break</b>
10.45 – 11.30	<i>Workshop 'Formulating your question'</i>
	Having a clear review question is the most important step of an SR. The research question is clear when all important elements are included (PICO – question: patients, intervention, comparison and outcome). We will practice formulating questions based on several cases.
11:30 – 12.00	<i>Writing the protocol for your systematic review</i>
	Why do we need to write a protocol before performing an SR? What does a protocol for an SR look like?
<b>12.00 – 12.45</b>	<b>Lunch</b>
12.45 – 13.15	<i>Searching and selecting studies</i>
	What is typical for a search for a systematic review? How to build such a search strategy: sources and search terms
13.15 – 14.15	<i>Workshop: 'Building your search strategy'</i>
	We will practice building a search strategy for an SR in PubMed
14.15 – 14.45	<i>Workshop selecting studies</i>
	We will screen a number of studies for inclusion in an SR using eligibility criteria.
<b>14.45 – 15.00</b>	<b>Coffee break</b>
15.30 – 16.00	Cochrane Crowd initiation
15.30 – 16.00	<i>Collecting data</i>
	What data needs to be collected from a study (study characteristics and results) and how do we perform such a process in a systematic way?
16.00 – 16.45	<i>Workshop collecting data</i>
	We will extract study characteristics and study results from an RCT

<i>Day 2</i>	
<b>08.45 – 09.00</b>	<b>Reception and welcome coffee</b>
09.00 – 09.45	<i>Assessment risk of bias RCTs</i>
	The Cochrane risk of bias tool to assess the quality of RCTs will be explained.
09.45 – 10.45	<i>Workshop assessment risk of bias</i>
	We will assess the methodological quality of an RCT
<b>10.45 – 11.00</b>	<b>Coffee break</b>
11.00 – 12.15	<i>Workshop text, comparisons and data in RevMan</i>
	Cochrane's Software Review Manager (RevMan) can be used to perform and document an SR. This program will be presented.
<b>12.15 – 13.00</b>	<b>Lunch</b>
13.00 – 14.30	<i>Analyzing dichotomous and continuous data Introducing meta-analysis</i>
	Introduction to meta-analyses using dichotomous or continuous data.
<b>14.30 – 14.45</b>	<b>Coffee break</b>
14.45-16.30	<i>Workshop meta-analysis</i>
	Practicing meta-analyses using the RevMan Software
<i>Day 3</i>	
<b>08.45 – 09.00</b>	<b>Reception and welcome coffee</b>
9.00-10.30	<i>Heterogeneity, publication bias</i>
	What is heterogeneity and how to deal with it in an SR? What is publication bias and how to deal with it in an SR?
<b>10.30 – 10.45</b>	<b>Coffee break</b>
10.45-12.00	<i>Workshop heterogeneity</i>
	In this workshop, we will investigate heterogeneity in meta-analyses using Cochrane's Rev Man software
<b>12.00-12.45</b>	<b>lunch</b>
12.45-13.15	<i>Assessment risk of bias observational studies</i>
	How to assess the methodological quality of observational studies?
13.15-14.15	<i>Workshop assessment risk of bias cohort study</i>
	We will assess the methodological quality of a cohort study
14.15-14.30	<i>AMSTAR</i>
	What is the AMSTAR-instrument and why is it important?
<b>14.30-14.45</b>	<b>Coffee break</b>
14.45-15.15	<i>Workshop quality assessment of an SR</i>
	We will assess the methodological quality of an SR using AMSTAR
15.15-16.00	<i>GRADE / SoF</i>
	What is the GRADE system and what are SoF tables?
16.00-16.30	<i>Finishing and updating the review</i>
	What are the last steps of the process of an SR? When to update the SR? Cochrane Crowd results