

# MIRCIM 2017

3rd McMaster International Review  
Course in Internal Medicine

11 May, 2017, Kraków  
ICE Kraków Congress Centre

**Organizer:** Polish Institute for  
Evidence Based Medicine  
**Co-organizers:** McMaster  
University, The Polish Chamber of  
Physicians and Dentists, Medycyna  
Praktyczna

#### Speakers and workshop trainers

- Prof. Gordon Guyatt (McMaster University, Canada), Conference Chair
- Prof. Waleed Alhazzani (McMaster University, Canada)
- Prof. P.J. Devereaux (McMaster University, Canada)
- Prof. Roman Jaeschke (McMaster University, Canada)
- Prof. Maureen Meade (McMaster University, Canada)
- Prof. Victor M. Montori (Mayo Clinic, USA)

#### Fees

Conference: 80 € (free for MIRCIM participants; registration required)  
Workshops: 60 € per one workshop  
(30 € for MIRCIM participants; registration required)

#### register at:

[www.mircim.eu/registration-ebm-conference](http://www.mircim.eu/registration-ebm-conference)

#### Conference Secretariat

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## EBM and clinical practice guidelines in contemporary medicine

### Conference & workshops

## CONFERENCE

**Rationale:** Delivering optimal medical care requires being able to locate, understand, interpret, and apply evidence from the medical literature. Trustworthy clinical practice guidelines, ideally developed using the GRADE system, are crucial to the practice of the evidence-based medicine (EBM). This series of lectures will highlight key concepts in EBM, GRADE, and clinical practice guidelines.

**Content:** The content will include the fundamental concepts of EBM, explain the GRADE system of developing clinical practice guidelines, and highlight strategies for avoiding being misled by the medical literature.

#### Objectives:

- 1) To gain an understanding of the fundamental concepts of EBM
- 2) To be able to critically appraise and understand the presentation of results of a systematic review
- 3) To understand the GRADE approach to developing and presenting the recommendations of clinical practice guidelines
- 4) To develop strategies to avoid being misled by the medical literature

#### Programme

10.00–10.10 Introduction

10.10–10.30 Our deceptive mind: why reasoning methods matter (prof. Gordon Guyatt)

10.30–10.50 Basic language of EBM and clinical practice guidelines (prof. Roman Jaeschke)

10.50–11.10 NNT, NNF, Fragility Index, CI: how to understand these numbers  
(prof. P.J. Devereaux)

11.10–11.30 What is the best way to achieve quality assurance (prof. Gordon Guyatt)

11.30–12.00 Refreshment Break

12.00–12.20 How to avoid being misled by clinical trials (prof. Victor M. Montori)

12.20–12.40 Summarizing the evidence: from questions to facts (prof. Gordon Guyatt)

12.40–13.00 How to develop trustworthy clinical practice guidelines (prof. Waleed Alhazzani)

13.00–13.20 EBM, clinical practice guidelines and the patient revolution (prof. Victor M. Montori)

13.20–14.00 Questions and answers (all speakers)

14.00–15.00 Lunch break

15.00–17.00 Workshops

## WORKSHOPS

### Workshop 1: Therapy (15.00–17.00)

**Rationale:** Ability to critically appraise a randomized trial which is central to the practice of EBM.

**Content:** This workshop will use an example, steroids for community-acquired pneumonia, to illustrate the key elements of assessing risk of bias of randomized trials, understanding the results, and applying the results to clinical practice.

**Objectives:**

- 1) To learn how to assess risk of bias in randomized trials, including issues of concealment of randomization, blinding, and loss to follow-up.
- 2) To gain insight into how results of randomized trials are presented, including issues of relative effects, absolute effects, and confidence intervals.
- 3) To gain insight into issues of applying results of randomized trials in clinical practice including patients enrolled versus the patient before you, magnitude of benefits and harms, and patient values and preferences.

### Workshop 2: Systematic Reviews (15.00–17.00)

**Rationale:** Ability to critically appraise a systematic review which is central to the practice of EBM.

**Content:** This workshop will use an example, steroids for community-acquired pneumonia, to illustrate the key elements of assessing the quality of a systematic review and the trustworthiness of the results it reports

**Objectives:**

- 1) To learn how to assess key elements of the quality of a systematic review, including question definition, search for evidence, and summarization of evidence.
- 2) To learn how to evaluate the credibility of the results presented in a systematic review, including issues of study design, risk of bias, precision, directness, and publication bias.

### Workshop 3: Clinical practice guidelines (15.00–17.00)

**Rationale:** Ability to identify a trustworthy guideline which is central to the practice of EBM.

**Content:** This workshop will use an example, steroids for community-acquired pneumonia, to illustrate the key elements of assessing the quality of a clinical practice guideline.

**Objectives:**

- 1) To learn to identify the key issues to consider in judging the trustworthiness of a clinical practice guideline.
- 2) To understand strategies for mitigating the impact of conflict of interest in guidelines.
- 3) To understand strategies for ensuring the best current evidence informs guidelines.
- 4) To understand the role of values and preferences in the context of a guideline.
- 5) To understand the meaning and significance of strong and weak recommendations emerging from a guideline.