



# Evidence-based Practice in Physiotherapy

## 4 – 25 May 2021

### Introduction

This course emphasises the principles of evidence-based practice and it specifically caters to clinicians who wish to improve their clinical practice through enhanced skills in sourcing, interpreting, and applying the scientific literature. The course covers study design & research terminology, commonly used literature appraisal tools for RCTs & systematic review, and statistical data interpretation. In order to achieve course objectives, participants must actively participate in group work and be willing to do short presentations.

### Course Objectives

At the end of the course, participants should be able to:

- 1) Conduct efficient and systematic search of medical literature that relates to a clinical question
- 2) Appraise the quality of a clinical research based on its methodology
- 3) Interpret the results of common types of clinical research: Observation studies, quasi-experimental studies, experimental studies and review studies
- 4) Assess the external validity and generalizability of a research study

### Course Outline

- Processes of evidence-based medicine (EBM) and study design
- Question formulation PICO
- Pragmatic literature search
- Descriptive statistics & Statistical inferences
- Binary data & Continuous data
- Correlation
- Regression
- RCT appraisal
- Systematic reviews & Meta-analysis

### Teaching Faculty

Teaching faculty will be from Singapore General Hospital:

**Dr Ong Hwee Kuan**, Senior Principal Physiotherapist

**Dr Pua Yong Hao**, Senior Principal Physiotherapist

**Dr Dawn Tan**, Senior Principal Physiotherapist

**Dr June Quek**, Principal Physiotherapist

**Dr Shamala Thilarajah**, Principal Physiotherapist

### Course Details

#### Self-paced Online Learning

- Date : **Available from 27 Apr 2021**  
*(Materials will be released 1 week before each live interactive session)*
- Duration : **Total of 8 hours**
- Platform : **SingHealth e-Learning Portal**

*Participants will be divided into groups and have online discussions before each live online interactive session.*

#### Live Interactive Session

- Date : **4, 11, 18, 25 May 2021**
- Duration : **Total of 10 hours**
- Time : **3.00 pm – 5.30 pm**
- Class size : **25 pax**
- Device required : **Laptop/ Desktop**  
*(with microphone, speaker and webcam)*
- Platform : **Zoom Cloud Meetings**
- Fee : **S\$490** (SingHealth staff or SPA member)  
**S\$540** (Regular)  
*(inclusive of 7% GST)*

### Target Audience

Working physiotherapists who would like hands-on experience to learn how to be an evidence-based practitioner: Be willing to participate actively in group work to be equipped with the skills to source, interpret, critique and apply scientific literature findings in their every day work.

### Registration

To register, scan the QR code or click on the web link.

Registration closes on **16 April 2021, Friday**.



<https://form.gov.sg/60583e33d569a2001194f523>

Upon registration, you agree to PGAHI [Terms & Conditions](#).

### Quick Links

[FAQs](#), [PGAHI Programmes](#), [Training Calendar and Directory](#)