



Evidence-based Practice in Physiotherapy

9, 16, 23, 30 May 2023

Introduction

This course emphasises the principles of evidence-based practice and it specifically caters to physiotherapists who wish to improve their clinical practice through enhanced skills in sourcing, interpreting, and applying the scientific literature. It also covers study design & research terminology, commonly used literature appraisal tools for Randomised Controlled Trials & systematic review, and statistical data interpretation.

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

Singapore General Hospital

Dr Pua Yong Hao, Senior Principal Physiotherapist

Dr June Quek, Principal Physiotherapist

Assoc Prof Dawn Tan, Senior Principal Physiotherapist

John Tan, Senior Principal Physiotherapist

Dr Shamala Thilarajah, Senior Principal Physiotherapist

Singapore Institute of Technology

Asst Prof Aileen Scully (Health & Social Sciences Cluster)

Course Details

Self-paced Online Learning

Date : **Available from 24 Apr to 23 Jun 2023**

Duration : **Total of 8 hours**

Platform : **SingHealth e-Learning Portal**

Classroom Sessions

Date : **9, 16, 23, 30 May 2023**

Duration : **10 hours**

Time : **3.00 pm – 5.30 pm**

Class size : **25 pax**

Venue : **L1-S2 & Therapy Skills Training Lab**
Level 1, Academia
20 College Road, S(169856)

Fee : **S\$650** (SingHealth staff or SPA member)
S\$720 (Regular)
(inclusive of prevailing rate of GST)

Target Audience

Practising physiotherapists who aspire to be an evidence-based practitioner: Participants are required to complete assignments, actively participate in group work and demonstrate skills and knowledge acquired from the course through short presentations.

Participants will be divided into groups for journal article discussions and do a group presentation at the classroom sessions.

Registration

To register (internet access is required), scan the QR code or click on the web link. Registration closes on **18 April 2023, Tuesday**.



<https://form.gov.sg/63e05083e2dfc200113f1f60>

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

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