

CLINICAL PREDICTION RULE

Goal

At the completion of this unit the participant will be able to determine whether a report of a clinical prediction rules reaches conclusions that are both valid (true) and applicable to one's own clinical practice.

Instructional Objectives

At the completion of this session you will be able;

1. To assess the validity of an article about a clinical prediction rule.
2. To understand the principles that guide evidence use for topics of clinical prediction rule
3. To determine the applicability of clinical prediction rule to a particular clinical situation.

Reference

Guyatt G, Roman Jaeschke, Mark Wilson, Victor Montori, and Scott Richardson. What is evidence-based medicine. In Guyatt G, Rennie D, Meade MO, Cook DJ. Users' Guides to the Medical Literature: A Manual for Evidence-based Clinical Practice. 3rd ed. New York, NY: McGraw-Hill; 2015.

1. McGinn T, Wyer P, McCullagh L, Wisnivesky J, Devereaux PJ, Stiell I, Richardson WS, Agoritsas T, Guyatt G, Chapter 19.4 Clinical Prediction Rules.

Recommended

2. Furukawa TA, Strauss SE, Bucher HC, Agoritsas T, Guyatt G, Chapter 18 Diagnostic Tests.

Problem Based Educational Strategy

1. Read the clinical scenario.
2. Compose a well-built clinical (foreground) question about the clinical problem.
3. Complete a literature search using the headings from your well-built clinical question, and bring the results to the session.
4. Read the EBCP Essentials reference article.
5. Complete the attached EBCP Worksheet.
6. Determine whether the result of this clinical prediction rule should change your approach to the patient/population.

Clinical Scenario

You are a pediatric emergency medicine faculty at a center that sees sports-related head injury and concussion daily. Even though you care for patients at a brief moment during their medical course, parents often ask you about their children's prognosis, how long will it take them until they recover from their concussion, and whether they will be able to return and participate in their sport soon.

You are assigned next week's "Journal Watch" to review pertinent recent literature. An article that was just published caught your eye and you decided that it was important to review it and present it to your colleagues and trainees.

Medical Article

1. Zemek R. et al. Clinical Risk Score for Persistent Postconcussion Symptoms Among Children With Acute Concussion in the ED. JAMA 2016; 315(10):1014-1025.