



Learning Objectives

MedBridge Inc.

Creating an Evidence Based Practice

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Upon completion of this course, learners will be able to:

Chapter One

- Construct a clinical question specific to a patient or problem in PICO (or PECOT) format
- Identify resources to find the evidence that will answer the question
- Differentiate internal and external validity
- Describe where crucial information can be found in a research report to answer the question posed
- Identify possible reasons for expected results when using the information found in a research report
- Describe factors important in establishing the validity of a clinical test to identify pathology

Chapter Two

- Differentiate a gold standard from a target test
- Given the results from a study designed to establish the validity of a clinical test, calculate the relevant statistics
- Apply the principle of SpPin and SnNout
- Use likelihood ratios to adjust the probability of a disorder based on the results of a clinical test
- Describe the impact of the law of at least one on the diagnostic process
- Describe factors to consider in establishing acceptable values for the accuracy of clinical diagnostic tests

Chapter Three

- Describe the key elements of a Randomized Controlled Trial (RCT)
- Identify threats to the internal validity of a RCT
- Calculate and interpret the statistics for dichotomous outcomes
- Interpret the statistics for continuous outcomes for statistical significance and clinical importance
- Describe important factors related to external validity of a RCT