



جامعة قطر
QATAR UNIVERSITY

الصحة
HEALTH

برنامج التطوير المهني المستمر للعاملين في القطاع الصحي
Continuing Professional Development of Health Professionals



وزارة الصحة العامة
Ministry of Public Health
دولة قطر - State of Qatar

Evidence Based Medicine Workshop on Diagnostic Tests

(Activity Code: AGI-03-P124)

February 21st 2023, 8 AM- 3:30 PM

Venue: College of Medicine Building H12, Room 168, Qatar University

Target Audience: All Healthcare Professionals

Aim:

Diagnostic tests are designed to screen, diagnose, monitor and improve health outcomes. This workshop intends to clarify to the participants how best to interpret tests and studies of diagnostic accuracy.

Learning objectives:

By the end of this one-day workshop participants will be able to distinguish the basic ideas related to evaluation and interpretation of the diagnostic accuracy measures in different settings. They will also be able to explain how the evidence can be used to inform diagnostic decision making in clinical settings. Finally, participants will be able to apply the necessary skills related to the diagnostic accuracy of tests for clinical practice.

Speakers are from Department of Population Medicine, College of Medicine, QU Health, Qatar University:

This workshop is hosted by the Department of Population Medicine at Qatar University by clinicians who are also epidemiologists and bridges the gap between clinical epidemiology and clinical practice.

Professor Suhail Doi. MBBS, MCLinEpid, FRCP(Edin), PhD

Dr Muhammad Naseem Khan. MBBS, MSPH, PhD

Activity Schedule:

Time and Speakers	Schedule and Learning outcomes
February 21 st 8:00-10:00 M. Naseem Khan	Sensitivity and specificity of clinical diagnostic tests <ul style="list-style-type: none"> Apply sensitivity, specificity and their relationship with different cut points for continuous tests to the clinical setting. Relate the use of multiple testing to net sensitivity and net specificity in the clinical setting. Interpret predictive values and their relationship with the prevalence of the disease.
10:00-10:30	Coffee Break & Group Discussions
10:30-12:30 Suhail Doi	Application and interpretation of clinical diagnostic test results <ul style="list-style-type: none"> Apply and interpret Likelihood ratios for diagnostic tests. Relate likelihood ratios to post-test probabilities and interpret the findings. Interpret different ROC curves and their utility in the clinical settings. Interpret diagnostic odds ratios and diagnostic meta-analysis.
12:30- 13:30	Lunch break
13:30-15:00 Suhail Doi & M. Naseem Khan	Diagnostic tests in clinical settings - Practice <ul style="list-style-type: none"> Practical session to consolidate learning
15:00-15:30	Q&As

* The scientific planning committee has reviewed all disclosed financial relationships of speakers, moderators, facilitators and/or authors in advance of this CPD activity and has implemented procedures to manage any potential or real conflicts of interest.

* "This activity is an Accredited group learning activity (Category 1) as defined by Ministry of Public Health's Department of Healthcare Professions - Accreditation Section and is approved for a maximum number of 6.5 Hours."

* "CPD-HP (QU—Health) is accredited by Ministry of Public Health's Department of Healthcare Professions - Accreditation Section (DHP – AS) as a provider of continuing professional development."