

Module Title	Evidence-based Practice				
Module Code	FMED-521C				
Module Type	Required				
Level	2 nd Cycle				
Year / Semester	1 / 1				
Teacher's Name	Lead: Prof. Kevork Hopayian				
ECTS Credits	5	Lectures	17	Interactive learning activities	18
Module Purpose and Objectives	<p>The main objectives of the module are (1) to gain the knowledge and skills of evidence based medicine and (2) to improve the quality of your practice through audit. More specifically the course aims to enable you to:</p> <ul style="list-style-type: none"> • Turn clinical questions into a format that aids search for appropriate evidence. • Search for relevant evidence. • Critically appraise evidence. • Interpret results from research. • Apply evidence in practice. • Interpret and apply guidelines appropriately. • Conduct audits. 				
Learning Outcomes	<p>After completion of the module students are expected to be able to:</p> <ul style="list-style-type: none"> • Describe the characteristics and 4 steps of EBM. • Turn clinical questions into focused questions. • Describe the different types of research studies: intervention, cohort, case-control, cross-sectional, screening, systematic review. • Critically appraise reports of different types of research studies. • Extract and use statistical data from different types of research studies. • Identify the sources of bias in different types of research studies and use the generic bias identification tool. • Search for evidence. • Apply evidence including communicating results to patients and sharing decisions. • Describe the features of systematic reviews and their place in EBP. • Judge the quality of guidelines and their application in practice. • Describe the value of Before and after studies and qualitative studies. • Describe the role of audit in quality improvement. • Design, conduct and report an audit. 				
Prerequisites	None	Required	None		
Module Content	<ul style="list-style-type: none"> • General principles, intervention studies, studies of diagnostic strategies and introduction to audit • Cohort and case control studies, screening, guidelines, applying the evidence, preparation for audit 				

	<p>Students are invited to study <u>optional components</u> to:</p> <ul style="list-style-type: none"> • Ethics: describe the relationship between evidence-based practice and ethics. • Qualitative research: understand the role of qualitative research in evidence-based family medicine. • Appraisal of a paper: give an overall critical appraisal of a paper.
Teaching Methodology	<p>This module is delivered via distance learning (online). It includes recorded lectures, interactive presentations, online tutorials (Webinars), quizzes, optional assignments and discussion forums.</p>
Bibliography	<p>Required Textbooks / Reading:</p> <p>PowerPoint presentations with relevant references and articles will be provided each week. There is no pre-required bibliography.</p> <p>Recommended Textbooks / Reading:</p> <p>A free pdf of this text book is available chapter by chapter on the Module Moodle platform, Making your Practice Evidence Based, Hopayian K., RCGP Publications, 2010,</p>
Assessment	<ul style="list-style-type: none"> • WPBA Components <ul style="list-style-type: none"> - Formative Audit Plan (2 Drafts & 1 Final Plan) - Formative Audit Report (2 Drafts) - Summative Audit Report • Exams <ul style="list-style-type: none"> - Formative AKT Exam - Summative AKT Exam
Language	English