

Module Title	Evidence-based Practice in Family Medicine				
Module Code	FMED-521				
Module Type	Required				
Level	2 nd Cycle				
Year / Semester	1 / 1				
Teacher's Name	Prof. Kevork Hopayian				
ECTS Credits	7.5	Lectures	21	Interactive learning activities	24
Module Purpose and Objectives	<p>The main objectives of the module are to enable students to:</p> <ul style="list-style-type: none"> • Describe the characteristics and 4 steps of EBM. • Turn clinical questions into focused questions. • Describe the role of audit in quality improvement. • Choose a topic and design audit. • Extract statistical data from intervention studies. • Identify the sources of bias in intervention studies and judge quality. • Use the generic bias identification tool. • Communicate results with patients and share decisions (applying the evidence). • Extract statistical data from studies of diagnosis. • Search for evidence. • Identify the sources of bias in studies of diagnostic tests and judge quality. • Describe value of observational studies. • Judge the validity of a cohort study. • Extract and use summary statistics (Cohort studies). • Design, conduct and report an audit. • Describe the features of systematic reviews and their place in EBP. • Judge the validity of systematic reviews. • Present and use summary statistics. • Judge the validity studies of screening. • Judge the quality of guidelines and their application in practice. • Describe value of Before and after studies and qualitative studies (other studies). • Apply evidence. • Provide patient-centred care including the application of EBM. • Interpret an ECG assessment in primary care in the presence of chronic cardiovascular disease. • Assess and manage the risk for cardiovascular disease and stroke prevention. • Assess and manage hypertension. • Assess and manage heart failure. • Assess and manage atrial fibrillation and stroke. • Assess and manage chronic kidney disease. • Assess and manage peripheral arterial disease. 				

<p>Learning Outcomes</p>	<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 role of audit in quality improvement. • Choose a topic and design audit. • Extract statistical data from intervention studies. • Identify the sources of bias in intervention studies and judge quality. • Use the generic bias identification tool. • Communicate results with patients and share decisions (applying the evidence). • Extract statistical data from studies of diagnosis. • Search for evidence. • Identify the sources of bias in studies of diagnostic tests and judge quality. • Describe value of observational studies. • Judge the validity of a cohort study. • Extract and use summary statistics (Cohort studies). • Design, conduct and report an audit. • Describe the features of systematic reviews and their place in EBP. • Judge the validity of systematic reviews. • Present and use summary statistics. • Judge the validity studies of screening. • Judge the quality of guidelines and their application in practice. • Describe value of Before and after studies and qualitative studies (other studies). • Apply evidence. • Provide patient-centred care including the application of EBM. • Interpret an ECG assessment in primary care in the presence of chronic cardiovascular disease. • Assess and manage the risk for cardiovascular disease and stroke prevention. • Assess and manage hypertension. • Assess and manage heart failure. • Assess and manage atrial fibrillation and stroke. • Assess and manage chronic kidney disease. • Assess and manage peripheral arterial disease. 		
<p>Prerequisites</p>	<p>None</p>	<p>Required</p>	<p>None</p>
<p>Module Content</p>	<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 • Apply Evidence to Cardiovascular Diseases <p>Students are invited to study <u>optional components</u> to:</p> <ul style="list-style-type: none"> • Explain how ethics and evidence-based medicine are related. • Describe the value of qualitative research and its critical appraisal. • Explain how to integrate all four steps into a report, a critically appraised 		

	topic.										
Teaching Methodology	This programme is delivered via distance learning (online) and includes recorded lectures, interactive online tutorials (Webinars) and discussion forums, as well as online exercises and other activities.										
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> <table border="1"> <thead> <tr> <th>Title</th> <th>Author(s)</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> <tr> <td>Making your Practice Evidence Based</td> <td>Hopayian K.</td> <td>RCGP Publications</td> <td>2010</td> <td>-</td> </tr> </tbody> </table>	Title	Author(s)	Publisher	Year	ISBN	Making your Practice Evidence Based	Hopayian K.	RCGP Publications	2010	-
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Making your Practice Evidence Based	Hopayian K.	RCGP Publications	2010	-							
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										