



King Saud University
College of Medicine

Course CMED 305

COURSE MANUAL

1438-39 (2017-2018)



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Coordinators' message

Dear Colleagues / 3rd Year Students

Assalamoalaikum wa rehmatullah

Welcome to CMED 305 course.

It is a pleasure to work with 3rd year undergraduate students and esteemed faculty members of College of Medicine at King Saud University as instructors for course and supervisors for research work.

The attached document is a complete course outline along with certain guidelines that are meant to be used by students, instructors and research supervisors. This document is a useful reference as the course work is constructed linking the concepts in research methods, skill learning, and stage of research work. The construction of course this year is based largely on feedback from students, and faculty members based on last year's experience.

We are sure that this year also you will enjoy conducting a relevant research work that is beneficial to patients, population, institution, and region. Your hard work will be cherished as a useful outcome extending knowledge and enhancing skills in students at College of Medicine. This document contains the list of titles of last 4 years research projects done by students, for your easy reference.

We are thankful to Dr Ali Al-Hazmi and Dr. Nourah for their advice in academic content and organization of this course. The course content and all documents were approved by Community Medicine Unit, KSU Department of Family & Community Medicine. We highly acknowledge the support from Dr.Mona, Head, KSU Department of Medical Education, in facilitating the course schedule and logistics.

Wish you a very productive academic year

Dr Shaffi Ahmed, Course Co-ordinator
Dr.Shatha Ahmed Alduraywish, Co-coordinator
Department of Family & Community Medicine

September 17, 2017



Course Objectives

The overall objectives of this course are to enable students understand basic elements of research, design and conduct an **epidemiological study** to answer a specific research question.

Learning Methods

Learning methods include lectures (31 hours), tutorials (33 hours), and research group meetings (30 contact hours). Course is equivalent to six academic credits. Self-initiatives and learning is important.

The course consists of following concepts that will be taught is lectures and tutorials:

- How to formulate a research question and development of a study protocol
- Epidemiological study design methods and assessment of risks in comparison to no risk
- Ethics and plagiarism
- Biostatistics concepts and skills in data management & analysis
- Data interpretation, discussion, & presentation of study findings and conclusion

The Research Group Meetings with the research supervisor will focus on the entire process of above mentioned concepts to be linked with a specific topic. **The Research Supervisor, who is a faculty or expert in the specific topic of interest, will help you to learn subject concepts as well as formulate the research question, and supervise the development of protocol, monitor the conduct the study, using appropriate epidemiological and ethical methods.**

Assessment Methods

Marks Distribution *:

I. Examinations (40%)

Midterm: 15%

Final exam: 25%

II. Continuous Assessment (60%)

Research Project (40%):

Research protocol: 10%; (by Research supervisor)

Ethical Review Clearance: 5% (by Review committee)

Final report: 20% (10% by Research supervisor & 10% by Community Medicine Unit

Review committee)

Presentation: 5% (by independent evaluators)

Other assignments / quizzes (20%):

Assignments (10%); Quizzes (10%)



CMED 305 Course Schedule (2017-2018)

Schedule for Course CMED 305 / 1438 - 1439 (2017-2018)							
	Males A Date/Time	Males B Date/Time	Females Date/Time	Lectures/Tutorials Part I	Instructors- Males	Instructors- Females	
Week 1	19/09/2017	19/09/2017	20/09/2017	Introduction to Research methods: Why do we need research?	Dr Shaffi Ahamed	Dr.Nourah	
	2:00 – 3:00	8:00 – 9:00	2:00 – 3:00				
	Formulation of research groups by students & selection of supervisors						
	20/09/2017	20/09/2017	21/09/2017	How to develop a research protocol?	Dr Shaffi Ahamed	Dr.Shaffi Ahamed	
9:00 – 10:00	11:00-12:00	8:00 – 9:00					
Week 2	26/09/2017	25/09/2017	25/09/2017	Research questions, objectives and hypotheses	Dr Shaffi Ahamed	Dr.Shatha	
	8:00 – 9:00	8:00 – 9:00	9:00 – 10:00				
	26/09/2017	25/09/2017	26/09/2017	Practical Session: Research questions, objectives and hypotheses	Dr.Hani	Dr Haifa Wahab/Dr.Shatha	
	1:00 – 2:00	2:00 – 3:00	8:00 – 9:00				
	26/09/2017	26/09/2017	27/09/2017	Research Groups meet with potential supervisors and confirm		Research Supervisor	
	27/09/2017	28/09/2017	28/09/2017	Ethics in health research	Prof.Jamal Jarallaha	Prof.Randa Yousef	
	11:00-12:00	8:00 – 9:00	9:00 – 10:00				
27/09/2017	27/09/2017	28/09/2017	Practical Session: How to do Literature Search?	Dr.Hani	Dr Haifa Wahabi/ Dr Rufaidah		
1:00 – 3:00	10:00-12:00	10:00-12:00					
Week 3	03/10/2017	01/10/2017	05/10/2017	Research Group meets with supervisor		Research Supervisor	
	2:00 – 3:00	1:00 – 2:00	9:00 – 10:00				
	04/10/2017	02/10/2017	05/10/2017	Introduction to Study Designs	Dr. Ibrahim Gosadi	Dr.Randa Yousef	
	8:00 – 9:00	1:00 – 2:00	10:00-11:00				
	04/10/2017	02/10/2017	04/10/2017	Measures of Disease Frequency, Effect & Impact	Dr. Ibrahim Gosadi	Dr.Salwa Tayel	
	9:00 – 10:00	2:00 – 3:00	1:00 – 2:00				
	04/10/2017	03/10/2017	04/10/2017	Practical Session: Measuring Risk, Incidence & Prevalence	DrAlMouzam	Dr.Rufaidah	
10:00-11:00	3:00 – 4:00	2:00 – 3:00					
05/10/2017	04/10/2017	04/10/2017	Cross Sectional Study Design	Dr. Ibrahim Gosadi	Dr Salwa Tayel		
3:00 – 4:00	10:00-11:00	3:00 – 4:00					
Submission of Supervisor Agreement Form ()							
Week 4	09/10/2017	09/10/2017	11/10/2017	Case Control study Design	Dr. Ibrahim Gosadi	Dr Randa Yousef	
	9:00 – 10:00	1:00 – 2:00	1:00 – 2:00				
	11/10/2017	11/10/2017	12/10/2017	Practical Session: Odds Ratio & Minimizing Bias	Dr AlMouzam	Dr Salwa Tayel	
	9:00 – 10:00	1:00 – 2:00	10:00-11:00				
11/10/2017	11/10/2017	12/10/2017	Research Question, Objectives,& Hypothesis, &		Research Supervisor		



	11/10/2017	11/10/2017	12/10/2017	Research Question, Objectives,& Hypothesis, &	Research Supervisor	
	10:00-11:00	11:00-12:00	11:00-12:00			
Submission of Study Title, Research Question, Objectives, Hypothesis & Potential Design						
Week 5	16/10/2017	15/10/2017	18/10/2017	Cohort Study Design	Dr.Ali Hazmi	Dr Rufaidah
	8:00 – 9:00	1:00 – 2:00	1:00 – 2:00			
	17/10/2017	15/10/2017	18/10/2017	Experimental Study Design	Dr.Ali Hazmi	Dr Haifa Wahabi
	8:00 – 9:00	2:00 – 3:00	2:00 – 3:00			
	17/10/2017	16/10/2017	19/10/2017	Practical Session: Relative Risk, Confounding	Dr AIMouzam	Dr.Shatha/Dr.Afnan
	2:00 – 4:00	2:00 – 4:00	8:00 – 10:00			
	18/10/2017	17/10/2017	18/10/2017	Research group works on organizing lit search- Introducing the topic	Research Supervisor	
	9:00 –10:00	8:00 – 9:00	3:00 –4:00			
	18/10/2017	18/10/2017	19/10/2017	What is Plagiarism? How to avoid it?	Prof.Sultan Meo	Dr Randa Yousef
	10:00-11:00	8:00 – 9:00	10:00-11:00			
19/10/2017	19/10/2017	19/10/2017	Writing an Introduction of a research protocol	Prof Hamza AbdulGhani	Dr.Hafsa	
11:00-12:00	9:00 –10:00	11:00-12:00				
Research Groups get the feedback on research question/objectives/hypothesis by the Core group of faculty members						
Week 6	23/10/2017	22/10/2017	19/10/2017	Practical Session: How to write an introduction for research study?	Dr. AIMouzam	Dr Hafsa Raheel/Dr.Afnan
	8:00 – 9:00	9:00 –10:00	3:00-4:00			
	22/10/2017			MIDTERM EXAMINATION		
	1:00 – 3:00					
	25/10/2017	23/10/2017	22/10/2017	Research Groups review the feedback	Research Supervisor	
	9:00 –11:00	2:00 –4:00	10:00-12:00			
	25/10/2017	23/10/2017	24/10/2017	Qualitative Study Designs	Dr.Ibrahim Gosadi	Dr.Noora
	11:00-12:00	1:00 – 2:00	1:00 – 2:00			
26/10/2017	24/10/2017	25/10/2017	Tools for data collection: Using Questionnaire & other tools	Dr.Ibrahim Gosadi	Dr Randa Yousef	
3:00 – 4:00	8:00 – 9:00	1:00 – 2:00				
26/10/2017	25/10/2017	26/10/2017	Research Group works on study design & finalizing study objectives	Research Supervisor		
1:00 – 3:00	1:00 – 3:00	10:00-11:00				
Week 7	29/10/2017	31/10/2017	30/10/2017	Sampling Techniques	Dr Shaffi Ahmed	Dr Shaffi Ahmed
	9:00 –10:00	8:00 – 9:00	8:00 – 9:00			
	30/10/2017	31/10/2017	30/10/2017	Practical Session: Designing questionnaire & Study Tools	Dr AIMouzam	Dr. Hafsa Raheel/Dr.Rufaidah
	10:00-12:00	9:00 –11:00	9:00 –11:00			
	31/10/2017	01/11/2017	01/11/2017	Practical Session: How to apply Sampling Techniques?	Dr AIMouzam	Dr.Rufaidah
	1:00 – 3:00	8:00 – 10:00	1:00 – 3:00			
	01/11/2017	02/11/2017	02/11/2017	Practical Session: Selection of Study Design	Dr.Hani	Dr.Afnan
	8:00 – 9:00	8:00 – 9:00	8:00 – 9:00			
	01/11/2017	02/11/2017	14/11/2017	Research Group finalizes study design & develop study questionnaire/ tools	Research Supervisor	
10:00-11:00	9:00 –10:00	10:00-12:00				
01/11/2017	30/10/2017	02/11/2017	Sample Size Estimation	Dr Shaffi	Dr Shaffi Ahmed	



	01/11/2017	30/10/2017	02/11/2017	How to write Materials & Methods Section of a Research Protocol	Prof Hamza AbdulGhani	Dr Randa Yousef	
	1:00 – 2:00	2:00 – 3:00	10:00-11:00				
	02/11/2017	13/11/2017	13/11/2017	Practical Session: How to calculate Sample Size?	Dr.Shaffi	Dr.Raufaidah	
	8:00 – 10:00	1:00 – 3:00	1:00 – 3:00				
	12/11/2017	15/11/2017	15/11/2017	Research Group works on writing methods & finalizes questionnaire/tools	Research Supervisor		
	10:00-12:00	8:00 – 10:00	1:00 – 2:00				
	13/11/2017	14/11/2017	15/11/2017	Institutional Review Board (IRB) application for Ethical Approval	Prof Sulaiman	Dr Salwa Tayel	
8:00 – 9:00	8:00 – 9:00	8:00 – 9:00					
Week 9	14/11/2017	15/11/2017	15/11/2017	Practical Session: How to Write Study Methods?	Dr.Hani	Dr. Haifa Wahabi	
	10:00-11:00	1:00 – 2:00	9:00 – 10:00				
	15/11/2017	16/11/2017	15/11/2017	Practical Session: How to apply to IRB for Ethical Approval?	Dr AlMouzam	Dr Salwa Tayel	
	8:00 – 9:00	8:00 – 9:00	11:00-12:00				
	15/11/2017	19/11/2017	27/11/2017	Research group works with research supervisor finalizing IRB application	Research Supervisor		
	10:00-12:00	1:00 – 3:00	1:00 – 3:00				
	16/11/2017	20/11/2017	16/11/2017	Basic concepts and terminology in biostatistics	Dr Shaffi Ahmed	Dr Shaffi Ahmed	
8:00 – 9:00	1:00 – 2:00	9:00 – 10:00					
Week 10	20/11/2017	20/11/2017	29/11/2017	Working with Research Supervisor	Research Supervisor		
	8:00 – 9:00	2:00 – 3:00	1:00 – 3:00				
	Research Groups Submit Research Proposal for Fast Track ERC (Data Collection initiated after ERC approval) Evaluation by Supervisor (Form A)						
	21/11/2017	22/11/2017	19/11/2017	Description of Data: I (Summary measures / central tendency)	Dr Shaffi Ahmed	Dr Shaffi Ahmed	
	8:00 – 9:00	1:00 – 2:00	10:00-11:00				
	22/11/2017	22/11/2017	19/11/2017	Description of Data II: (Measures of Variability / Normal distribution)	Dr Shaffi Ahmed	Dr Shaffi Ahmed	
	9:00 – 10:00	2:00 – 3:00	11:00-12:00				
22/11/2017	23/11/2017	22/11/2017	Practical Session: How to describe your data?	Dr.Shaffi	Dr.Raufaidah		
10:00-12:00	1:00 – 3:00	1:00 – 3:00					
Week 11	Research Groups Receive Feedback from Fast Track ERC (Data Collection initiated after ERC approval)						
	28/11/2017	26/11/2017	27/11/2017	Discussion with supervisor on ERC submissions/resubmissions if any	Research Supervisor		
	2:00 – 3:00	1:00 – 2:00	1:00 – 3:00				
	29/11/2017	27/11/2017	04/12/2017	Discussion with supervisor on ERC feedback/ initiate data collection / resubmissions if any	Research Supervisor		
	9:00 – 11:00	2:00 – 4:00	1:00 – 3:00				
29/11/2017	29/11/2017	28/11/2017	Statistical Significance of Data I (P value)	Dr Shaffi Ahmed	Dr Shaffi Ahmed		
1:00 – 2:00	11:00-12:00	8:00 – 9:00					
Week 12	07/12/2017	04/12/2017	29/11/2017	Statistical Significance of Data II (95% CI)	Dr Shaffi Ahmed	Dr Shaffi Ahmed	
	11:00-12:00	1:00 – 2:00	8:00 – 9:00				
	07/12/2017	07/12/2017	07/12/2017	Practical Session: Statistical Significance	Dr .Shaffi	Dr.Afnan	
Week 13	12/12/2017	10/12/2017	14/12/2017	Data Collection Continues - Monitoring by Research Supervisor	Research Supervisor		
	2:00 – 3:00	1:00 – 2:00	10:00-11:00				



	13/12/2017	11/12/2017	13/12/2017	Statistical Tests for quantitative variables	Dr Shaffi Ahmed	Dr Shaffi Ahmed	
	8:00 – 9:00	2:00 – 3:00	1:00 – 2:00				
	13/12/2017	11/12/2017	14/12/2017	Statistical Tests for qualitative variables	Dr Shaffi Ahmed	Dr Shaffi Ahmed	
	9:00 – 10:00	3:00 – 4:00	9:00 – 10:00				
Week 14	13/12/2017	13/12/2017	28/12/2017	Data collection/management	Research Supervisor		
	11:00-12:00	9:00 – 10:00	10:00-12:00				
	19/12/2017	28/12/2017	10/12/2017	Data collection Management	Research Supervisor		
	8:00-9:00	8:00-9:00	2:00-3:00				
	21/12/2017	17/12/2017	20/12/2017	Practical Session: Using appropriate statistical tests	Dr.Shaffi	Dr.Shaffi	
	1:00 – 3:00	1:00 – 3:00	1:00 – 3:00				
	Week 15	24/12/2017	20/12/2017	21/12/2017	Practical Session: How to use SPSS 21.0 for data management?	Dr. Shaffi	Dr. Shaffi
		8:00 – 9:00	11:00-12:00	10:00-11:00			
		24/12/2017	24/12/2017	26/12/2017	Practical Session: How to use SPSS 21.0for data analysis?	Dr. Shaffi	Dr. Shaffi
		10:00-12:00	1:00 – 3:00	9:00-11:00			
		26/12/2017	26/12/2017	27/12/2017	Data Interpretation	Dr Shaffi Ahmed	Prof.Randa Yousef
		3:00 – 4:00	8:00 – 9:00	8:00 – 9:00			
		27/12/2017	27/12/2017	27/12/2017	Practical Session: Data Interpretation	Dr.Shaffi	Dr.Shaffi
		8:00-10:00	10:00-12:00	1:00 – 3:00			
27/12/2017		26/12/2017	28/12/2017	How to write Results & Discussion?	Dr.Ibrahim Gosadi	Dr. Haifa Wahabi	
10:00-11:00		1:00 – 2:00	8:00 – 9:00				
27/12/2017	26/12/2017	28/12/2017	Scientific Writing and report writing	Prof Sultan Meo	Dr Randa Yousef		
11:00-12:00	2:00 – 3:00	9:00-10:00					
	TBD			FINAL EXAMINATION			
W 20	28/01/2018	31/01/2018	29/01/2018	Group Work :Data Management	Research Supervisor		
	1:00 – 4:00	1:00 – 4:00	1:00 – 4:00				
	31/01/2018	01/02/2018	11/02/2018	Group Work: Data analysis	Research Supervisor		
W 22	14/02/2018	14/02/2018	22/02/2018	Group Work: Data analysis	Research Supervisor		
	9:00-11:00	1:00 – 3:00	1:00 – 3:00				
W 23	19/02/2018	20/02/2018	08/03/2018	Working with research supervisor writing results & discussion	Research Supervisor		
	1:00 – 3:00	1:00 – 3:00	1:00 – 3:00				
W 25	05/03/2018	06/03/2018	13/03/2018	Working with research supervisor on Report	Research Supervisor		
	1:00 – 3:00	10:00-12:00	10:00-12:00				
W27	21/03/2018	22/03/2018	22/03/2018	Working with research supervisor on Report	Research Supervisor		
	8:00 – 10:00	1:00 – 3:00	9:00-11:00				
W 29	04/04/2018	05/04/2018	02/04/2018	Group Work: Making PPT presentation and finalizing report writing	Research Supervisor		
	9:00-11:00	8:00 – 10:00	1:00 – 3:00				
W 30	09/04/2018	11/04/2018	05/04/2018	Group Work: Finalizing report writing and	Research Supervisor		



W 30	09/04/2018	11/04/2018	05/04/2018	Group Work: Finalizing report writing and	Research Supervisor
	2:00 – 4:00	9:00-11:00	1:00 – 3:00		
15/04/2018 to 19/04/2018				Submission week for final research report and power point presentation (PPT)	
				Evaluation by Supervisor (Form B)	
				Research Week	

KEY for HIGHLIGHTED SECTIONS	
No highlight	Lectures
Practical	Practical Sessions
Research Supervisor Session	Research Supervisor Session
Milestones & submissions	Important milestones & submissions during the course

Role of Supervisor and Students

A research supervisor is directly responsible for mentoring the research project of students' right from the inception (deciding about the research topic/question), till the development of final report for submission at the end of course work. The supervisor is to provide counseling on all aspects related to development of research question, objectives, and study design development of proposal, submissions and revisions; that include study objectives, ethical review of proposal, final report, presentation, and progress reports; hence has active involvement in student research project activities and progress. Students have the right to contact supervisor, and an alternate arrangement, in case of leave of absence of supervisor

The supervisor - supervisee relationship needs to be strengthened with mutually accepted expectations on both sides. The supervisor provides quality time, while students are expected to give respect and express maximum learning attitude. This relationship needs to ensure effectiveness, conforming to university policies related to plagiarism and responsible conduct of research. Responsible conduct of research includes: ethical standards, giving credit to students' and others' work, acknowledgements, avoiding plagiarism, obtaining approvals from relevant unit/department heads, and following university policies for collaboration outside KSU.

Selection of Supervisor



Selection of a student research group supervisor must be initiated during the first week of classes and completed at the most by the end of first three weeks of the first semester. Important points for selection of supervisor are: topic of interest, availability, time commitment, and conforming to schedule, and communication methods. Change in topic and supervisor is time constrained and usually results in affecting grades, incomplete work, missing deadlines; hence careful selection of topic and supervisor is important.

Formation of Student Research Groups

Male and Female students will make separate groups. **Five to six students** are recommended to make one group, and can select supervisor on the basis of topic of mutual interest. Student groups are responsible to list their names, IDs, and contact emails on the required Supervisor Agreement Form (SAF) (SAF-attached below) and once they finalize the selection of supervisor to get it signed by the supervisor writing the name, designation, department, and contact email on SAF Form.



King Saud University
 College of Medicine CMED 305
 Student Research Group Year 3

Supervisor Agreement Form

Please select one of the two options (I or II) from following for indicating selection of supervisor

#	Students' Names (Block Letters)	KSU Student I.D. #	Email Address
1			
2			
3			
4			
5			
6			

I. This group of students wishes to select the following supervisor (Please fill the following information)

Full Name of Supervisor	
Department Name	
Email/Phone	

I am willing to supervise this group

Signature of the proposed supervisor: _____

II. This group of students would like the supervisor to be assigned (please check the box)

Please submit to Department of Family & Community Medicine by September 26 , 2017

Please note that this is subject to approval by the Dept of Family & Community Medicine

Group Code (will be assigned by coordinators): _____

Dr Shaffi Ahmed & Dr.Shatha Ahmed Alduraywish, Coordinators CMED 305



Responsibilities of Student/s

Success of research project will be on drive & ability of students; willingness, availability, and knowledge of supervisor.

A student can enhance his/her performance by the following items:

- a) To be prepared ahead of time for lectures, tutorials, assignments, & develop interest
- b) Grasp concepts: reads, understands, & applies skills e.g. data management
- c) Attends lectures, tutorials, & meetings regularly & help set up a group schedule
- d) Develops capacity for independent work, avoids plagiarism, cheating and copying
- e) Maintains well organized notes, updates drafts, and works as a team to help group work.
- f) Discusses course requirements & deadlines with group and supervisor;
- g) Helps the group to set an agenda for each meeting session with research supervisor.
- h) Gives notice for raising any specific questions or issues that he/she wishes to raise in meetings (being focussed), and requests for critical feedback.
- i) When not satisfied can discuss the working relationship within group and with supervisor.

Responsibilities of Supervisor

Student Research Group (SRG) Supervisor is expected to:

- a) Supervise SRG entire research process related to course CMED 305 from the time of inception until the submission of Final Research Report
- b) Assist SRG in selecting the pertinent research topic of mutual interest (students & supervisor both)
- c) Ensure that the selected research topic is applicable to a larger population (*of public health importance benefitting a considerable segment of population*).
- d) Ensure that research design involves active data collection on new study participants; either based on survey methods, case control study or a follow up in feasible time frame. (*Case reports & small case series are not recommended; this is in reference to six credits allocated to CMED 305 course*).
- e) Supervise the research proposal writing and submission, in general, and for Fast Track Ethical Review Committee for CMED 305 clearance purposes, in specific.
- f) Monitor the data collection and management methods by SRG to prevent & avoid any misreporting and mishandling of data.
- g) Help students by discussing the results and their interpretation, for writing the results and discussion section, and preparation of final research report.
- h) Ensure following the scheduled times for research meetings with SRGs (in case of any change Student Group Leader or course administration is to be consulted confirming any changes in schedule), take attendance of students at each meeting, keep a record of it; evaluate each student and submit progress reports, as recommended by CMED 305 course administration.
- i) Deliver student evaluation on time to the course coordinator (i.e. not be sent through students); keeping in mind that delay beyond one week may result in registration of Zero grades for the whole SRG.
- j) Work with SRG on preparation of manuscript suitable for consideration for publication (optional for CMED 305 course; can continue beyond course schedule)



Submission Dates and Deadlines

Title of document / Form	Dates
Supervisor Agreement Form	September 28, 2017
Study title, question, objectives, hypothesis, and study design	October 12, 2017
Protocol Submission for Ethical Review Committee	November 26, 2017
Evaluation by Supervisor (Form A)	November 26, 2017
Final report submission and power point presentation	April 30, 2018
Evaluation by Supervisor (Form B)	April 30, 2018

Attendance in lectures, tutorials, and meetings

Students are informed that spontaneous quizzes could be placed during any lecture, tutorial, or meeting time. Hence a prior date for quizzes will not be announced. Any leave of absence will be counted as zero, without an explanation of leave per University Rules & Regulations.

Evaluation of students and course for research

Students will be evaluated by supervisors continuously on their attendance, and progress. The supervisors will communicate the progress to course administration *twice* during the course duration, on the prescribed Forms: “A” (at the time of submission of protocol for Ethical Review Committee) and “B” (at the time of final submission of Final Report)

Course administration will take evaluations from Ethical Review Committee on the prescribed Form C, and presentation of power point presentation

Students are strongly recommended to submit Form S for course evaluation, when requested

(All forms, namely: IRB form for protocol submission, Form A, Form B, Form C, and Form S are attached on next pages).

Kingdom of Saudi Arabia

KING SAUD UNIVERSITY

College of Medicine

Institutional Review Board



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Please, fill this page if the research proposal is submitted in English.

Research Title:

Summary: (150 – 200 words)
<p>❖ Research Problem:</p>
<p>❖ Research Significance:</p>
<p>❖ Research Objectives:</p>
<p>v Research Methodology:</p>

Kingdom of Saudi Arabia

KING SAUD UNIVERSITY

College of Medicine

Institutional Review Board (IRB)



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Research Project Proposal

XXXXXXXXXXXXXXXXXXXX XXX

Please, type either in English or Arabic

XXXXXXXXXX Signature	XXX/XXXXXXXXXX XX College/Department	XXXXXXXXXX XXXXXXXXXXXX Academic Title	XXXXXXXXXXXXXXXXXXXXXXXXXXXX* Investigators Names*

* :XXXXXXXXXX.XXXXXXXXXXXXX
 :XX
 XXXXXXXXXXXXX.XXXXXXXXXXXXX XXXXXXXXXXXXXXX XXXXXXXXXXXXXXX XXXXXXXXXXXXXXX

*First name indicates the Principal Investigator (PI). *
 Second name is the co-investigator designated by the PI to assume all responsibilities,
 in case of the absence of the PI.*

NOTE: For principal investigator from other college/hospital (outside KCUH) please provide contact details:

Office Tel. No. _____

Department Tel. No. _____

Mobile No. (optional) _____

Email: _____

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Research Problem and Significance

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Research Objectives

????? ???? ?

Literature Review

????? ??????

Research Methodology

CONSENT FORM نموذج إقرار

عنوان البحث باللغـة العربـية RESEARCH PROJECT TITLE

Principal Investigator: الباحث الرئيسي:

Co-Investigator(s): الباحث المشارك:

SPONSOR: الداعم:

You are being asked to participate voluntarily in a Research Study. If you decide to take part in this study, please sign this consent form and return it.

نرجو منك المشاركة في هذه الدراسة البحثية وعند موافقتك بذلك ترجو منك التوقيع على هذه الورقة وإرجاعها إلينا

STUDY PURPOSE: الدراسة: الغرض من

STUDY PLAN: الهدف من الدراسة:

BENEFITS: The result of this study may not benefit you directly, but in the future with God's will the patients will benefit from the knowledge acquired.

إن الاستفادة المرجوة من الدراسة: الاستفادة من هذه الدراسة قد لا تعود عليك مباشرة ولكن قد تكون لنتائج هذا البحث تأثيرات على معالجة المرضى الآخرين.

SIDE EFFECT: There are no side effects. Your participation in this study does not have any further risks or discomfort to you.

لا توجد هناك أي أضرار الآثار الجانبية: جانبية من هذه الدراسة ومشاركتك لا تسبب أي إزعاج أو مخاطر مستقبلاً

REFUSAL: If you refuse to participate, there will be no penalty or loss of benefits.

إذا رفضت المشاركة: عدم الرغبة في المشاركة في هذه الدراسة فإنك لن تتعرض لأي جزاء أو فقدان للمزايا العلاجية

CONFIDENTIALITY: Your participation in this study will be kept confidential. The results of this research may be published, however, your identity will never be revealed.

إن مشاركتك في هذه سرية المعلومات: الدراسة ستكون في غاية السرية. قد يتم نشر النتائج هذا البحث لأغراض أكاديمية ولكن لن يتم الكشف عن هويتك في أي حال من الأحوال.

APPROVAL: I fully understand the information and the consent form.

استوعبت المعلومات: الموافقة بالمشاركة
في هذا النموذج. لذا أوافق بالمشاركة في
هذه الدراسة. كما أنني لا أمانع من استخدام
العينات المتحصل عليها من هذه الدراسة
بأن تستخدم في دراسات مستقبلية من
قبل الباحثين.
لقد تم شرح هذا النموذج للمتبرع بواسطة
أحد الباحثين قبل طلب التوقيع منه.

I sign freely and voluntarily. A copy has been given to me.

أوقع أنا بحض إرادتي وحررتي وقد تم
إعطائي نسخة من الإقرار.

Investigator or Associate:

أسم الباحث أو من ينوب عنه:

Signature:

التوقيع:

Date:

التاريخ:

Patient Name:

أسم المريضة:

Signature:

التوقيع:

Date:

التاريخ:

Witness Name:

أسم الشاهد:

Signature:

التوقيع:

Date:

التاريخ:

**If you have any further concerns or questions, you can contact Dr.
(Tel # Ext. #)**

عند الرغبة في أي استفسار عن هذه
الدراسة يمكنك أن تتصل بالدكتور
على تليفون رقم تحويلة

???????

References

ROLE OF INVESTIGATORS (choose from the following menu, as applicable to each investigator / member in the research group)

Investigators Names	Brief Description of the Role of Each Investigator

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Detailed Budget
(not required for CMED-304 purposes)

□□□□□□□□ □□□□□□□□ Funds in SR	Details □□□□□□□□	
	□□□□□□ □□□□□□ □□□□□□ Effort in months	□□□□□□□□ □□□□□□ Names of Investigators
1200x(□□□)=		(1)
1000x(□□□)=		(2)
1000x(□□□)=		(3)
1000x(□□□)=		(4)
1000x(□□□)=		(5)
	Total(1) %40 □□ □□□□ □□()1(□□□□□ □□□□□□ □□□□□□□□ □□□□□□□□ □□□)□□□□□	

(1)

(1)

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) (□□□□ □□□□□) (a) Research Assistant ()
) (□□□□□ □□□) (b) Lab Technician ()
) (□□□□□ □□□□) (c) University Students ()
) (□□□□□□□) (d) Secretaries ()
) (□□□□ □□□□□□) (e) Other professionals ()
		(□□□□□ □□□□□□) Total (2)

Assistants(2)

(2)

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- 1-□□□□□□
- 2-□□□□□□□□ □□□□□□

**** If the project is funded, please provide:-**

1- Name of Sponsor

2- Details of the budget

(3) Equipments, materials and supplies

	□□□□□□□□□□□□□□□□□□)□(<i>Equipments & software</i>) a)
	□□□□□□□)□(<i>Materials</i>) (b)
	□□□□□□□□□□□□)□(<i>Supplies</i>) (c)
	□□□□ □□□□□□(□3) <i>Total (3)</i>

(3)

(4)

	□□□□□□□□□□□□ <i>Domestic travel</i>
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(4)

(5)

	□□□□□□□□□□□□□□□□ <i>Computer services</i>
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(6)

	□□□□□□□□□□ <i>Other services</i>
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	□□□□□□ <i>Grand Total</i>
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