



# Orientation to The Graduation Research Project

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# Welcome

- ▶ It is a pleasure to welcome you all to the first lecture related to your medical school graduation project.

# Introduction

- ▶ **What is your Graduation Research Project?**
- ▶ It is a journey through the world of research starting with a research question going through literature search to writing a proposal to acquiring ethical approval to data collection, data management drafting a manuscript with an abstract
- ▶ The end deliverables for your graduation project would be your Submission form and a confidentiality statement, your proposal, ethical approvals, GCP Certification your completed manuscript and abstract
- ▶ You will further be asked to defend your project by an oral presentation and discussion with a committee composed of 3 faculty members.

# Introduction

- ▶ The graduation project is a hands-on research project on the one hand and team-work and team collaboration on the other hand
- ▶ The course utilizes the knowledge and foundations gained through **previous research courses** including **qualitative and quantitative research in addition to epidemiology and biostatistics** to finally come up with a **student lead research culminating in a manuscript and a scientific presentation.**
- ▶ We at the School of Medicine hope the knowledge and experience gained through this project will carry you through your career and arm you with skills needed for your future in medicine amidst a highly competitive world .

# First Steps

- ▶ Identification of a research question and a mentor
- ▶ Identification of the research team
- ▶ Roles and responsibilities of the research team
- ▶ Project Initiation

# Proposal Preparation

- ▶ Write Your Proposal: UJ Template
- ▶ Literature Review
- ▶ Literature Appraisal

# Literature Review

- ▶ **Literature Review:** Use scientific data bases eg pubmed, google scholar and science direct
- ▶ Select References from the search and from grey literature resources
- ▶ Put words relevant to the project and Boolean logic
- ▶ **Literature Appraisal** Process

# Literature Appraisal

- ▶ Organize: 2 e folders : Documents and References
- ▶ References: Abstracts and Manuscripts. A word Document Reference relevant literature
- ▶ Focus on review articles, articles written in Q1 and Q2 journals, read them carefully and perform “reverse engineering”
- ▶ Look at how abstracts were written, look at the introduction to each article and see what points were mentioned, look at the methodology design and the statistical analysis plan. Look at how tables and figures are presented and finally look how the subject was tackled in the discussion and conclusion sections.



# Work Hard and Work Once

- ▶ As you write your proposal you will also be preparing the following sections of the manuscript:
- ▶ Introduction
- ▶ Methodology
- ▶ References

# Research Proposal Approvals

- ▶ Submit your proposal to the relevant department for evaluation by the Scientific Research Committee and the IRB
- ▶ Ask for funding for a statistician if needed

# Data Collection

- ▶ Organize your Data Collection sheets into Case Record Forms and Excel Sheets
- ▶ Agree about the coding of each parameter in the case record form.
- ▶ Collect data and enter it into the individual case record forms
- ▶ Transfer data from the case record forms to the excel sheet with proper coding

# Data Analysis and Statistics

- ▶ Analyse Data
- ▶ Go over the literature again to see if you would like to add anything more.
- ▶ Finalize your tables figures and graphs and write the Results section

# Discussion and Conclusion

- ▶ For the Discussion and Conclusion :
- ▶ Summarize relevant findings
- ▶ Compare to Middle Eastern and Jordanian Data
- ▶ Compare your findings to global and international Data
- ▶ Come up with a clinically relevant outcome unique to your patient population
  
- ▶ Draft a final Conclusion with Future recommendations and Limitations

# Close Out

- ▶ Find a Relevant Journal
- ▶ Modify Manuscript as per instructions to authors
- ▶ Submit your Manuscript to a journal

# Project Overview

- ▶ At the end of each school year usually during March of each year you are requested to submit your graduation project.
- ▶ This year in shaa Allah the submission will be online.
- ▶ Relevant documents include:
  - ▶ نموذج اعتماد مشروع التخرج
  - ▶ تعهد بسرية المعلومات
  - ▶ The Research Proposal and IRB Approvals
  - ▶ The Research Manuscript
  - ▶ The Research Abstract
  - ▶ GCP Certification

# نموذج اعتماد مشروع التخرج



## نموذج اعتماد مشروع التخرج لطلبة السنة السادسة طب 2020

اسم الطالب: \_\_\_\_\_

الرقم الجامعي: \_\_\_\_\_

عنوان البحث:-----

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اسم المشرف:-----

أعضاء اللجنة (لإستخدام كلية الطب فقط)

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_



# نموذج اعتماد مشروع التخرج

نموذج اعتماد مشروع تخرج لطلبة بكالوريوس طب / السنة السادسة 2020

	إسم الطالب
	الرقم الجامعي
	رقم التلفون
	ايميل الطالب
	إسم المشرف
	قسم عضو هيئة التدريس المشرف
.1	أسماء الطلاب الآخرين المشاركين
.2	في البحث
.3	
.4	
.5	
.6	
	عنوان البحث باللغة العربية

# نموذج اعتماد مشروع التخرج

<ol style="list-style-type: none"><li>1. Research Proposal</li><li>2. Approval of the School of Medicine Scientific Research Committee</li><li>3. IRB approval if indicated</li><li>4. Any documents relevant to the research Project eg: Informed Consent Form, Survey</li><li>5. <b>The Final Research Manuscript (3 copies)</b></li><li>6. The Final Research Abstract presented as a hard copy and a soft copy on a CD</li><li>7. Proof of Research Publication, or Publication Acceptance</li><li>8. Proof of Journal submission</li><li>9. GCP certificate</li><li>10. The Signed confidentiality agreement</li></ol>	<p>الأوراق المرفقه مع البحث *(الرجاء وضع دائرة حول المرفقات والتأكد من أنها مكتمله)</p>
	<p>توقيع الطالب</p>
	<p>توقيع المشرف</p>

# تعهد بسرية المعلومات



نموذج تعهد بحفظ سرية المعلومات  
المتعلقة بأبحاث تخرج طلاب كلية الطب  
في الجامعة الاردنية  
اذا لم يكن البحث منشوراً او مقبولاً للنشر

اتعهد انا الطالب(الاسم رباعي):-----

بان التزم بعدم الحديث او مشاركة المعلومات بأية طريقة كانت عن البحث أو الدراسة التي اجريتها مع الدكتور

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لغايات مشروع التخرج من كلية الطب وعنوانه :-----

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كما واتعهد بعدم الحديث او مشاركة المعلومات التي تتعلق بالبحث مثل نتائج البحث او الدراسة او الخطوات المتبعة او خطة العمل او مخطط الدراسة او البروتوكولات او أية وثائق معدة للبحث أو الدراسة لأي شخص او جهة

وعليه اوقع:

اسم الطالب :

توقيع الطالب:

التاريخ:

# Moving Forward

- ▶ Identification of the Year 2022 Student Database
- ▶ Identification of Teams and Interests
- ▶ Identification of a Project and a Mentor
- ▶ Research Initiation
- ▶ Those who have no projects yet are requested to send a whatsapp message to Dr. Laila Tutunji at 0798488575 stating that they have no graduation project and whether you want to work with a specific group and what department of interest are they targeting.

# Moving Forward

- ▶ The following workshops will be conducted over the next few months between August and October 2021 in shaa Allah
- ▶ **Research Methodology Workshops:**
  1. How to draft your UJ Research Proposal
  2. Introduction to Literature Search
  3. Introduction to Open Data
  4. Introduction to Data Management and Statistical Analysis I
  5. Introduction to Data Management and Statistical Analysis II
  6. How to Draft your Manuscript
  7. How to Submit your manuscript to a journal
  8. Introduction to GCP

# Contact Us

- ▶ Any Questions Contact Dr. Laila Tutunji 079 84 88 575 or Dr. Saif Ryalat 079 891 4594 by WhatsApp and not by Phone
- ▶ Expect Answers on the following days: Sundays, Tuesdays and Thursdays
- ▶ Good Luck.