



# Introduction to Clinical Research

GCP Lecture I

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Nov 2024

# Good Clinical Practice (GCP)



What is GCP



Acquiring a GCP Certification

# GCP Certification

This is an introduction to our medical students on the **WHO** designed global principles and regulations governing research on human subjects

GCP Certification is part of the Graduation Research Project Requirements

# GCP Certification



It builds upon previous courses including Quantitative and Qualitative Research.



Each student should obtain official GCP certification by the Beginning of Feb 2024

# GCP Certification

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Session 1:  
Introduction/ Ethics/

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Session 2:  
Global Regulatory Framework

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Session 3:  
GCP Training/ IRBs.

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Session 4:  
GCP Training/ Research Protocol Basics.

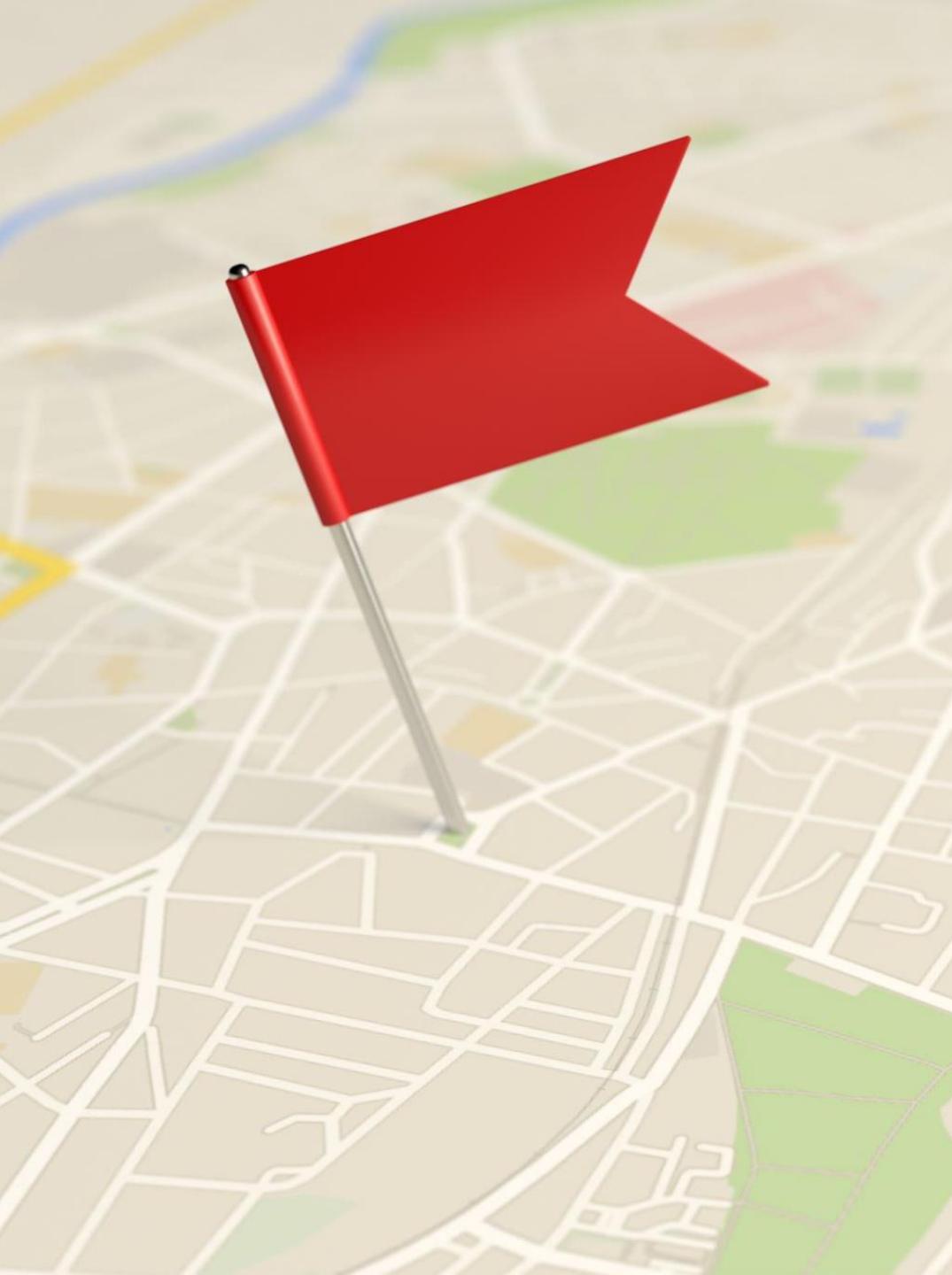
# GCP Course

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The chosen course certificate by our Medical School is issued by the US NIH because it is recognized globally.

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The NIH GCP Certificate will be recognized in the USA and worldwide and valid for three years



## Link to the Course

- Link to the course:
- <https://gcp.nidatraining.org/>
- Create an account to sign in:
- <https://gcp.nidatraining.org/register>
- Under organization kindly write:  
The University of Jordan

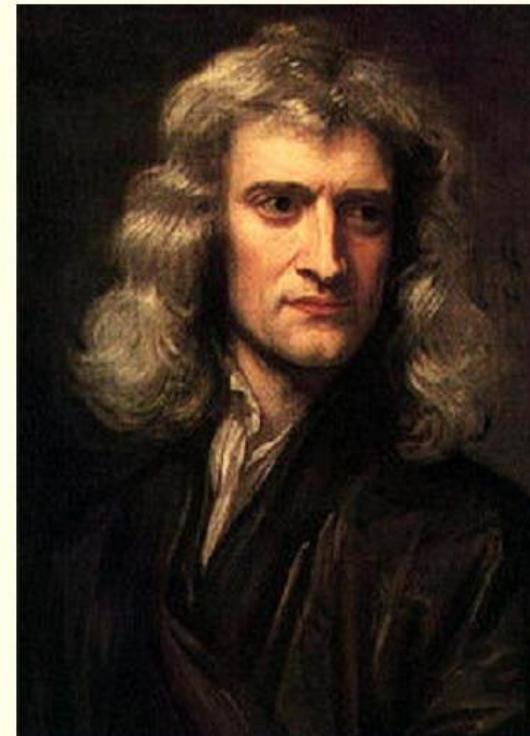
# GCP Course Information

Enter your Name

Enter your  
Institution as the  
University of  
Jordan

Our IRB requires  
80% of answers  
correct

# Why Clinical Research ?



## **Sir Isaac Newton (1642-1727)**

*Born in Lincolnshire, England*

***“If I have seen a little further, it is by standing  
on the shoulders of giants”***

**- Sir Isaac Newton, 1676**

- “*If I have seen a little further, it is by standing on the shoulders of giants*”

***Isaac Newton***

## Definition of Clinical Research

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- **Patient-Oriented Research**

**Research conducted with human subjects (or on material of human origin such as tissues, specimens and cognitive phenomena) for which an investigator (or colleague) directly interacts with human subjects...includes:**

- Development of new technologies
- Mechanisms of human disease
- Therapeutic interventions
- Clinical Trials

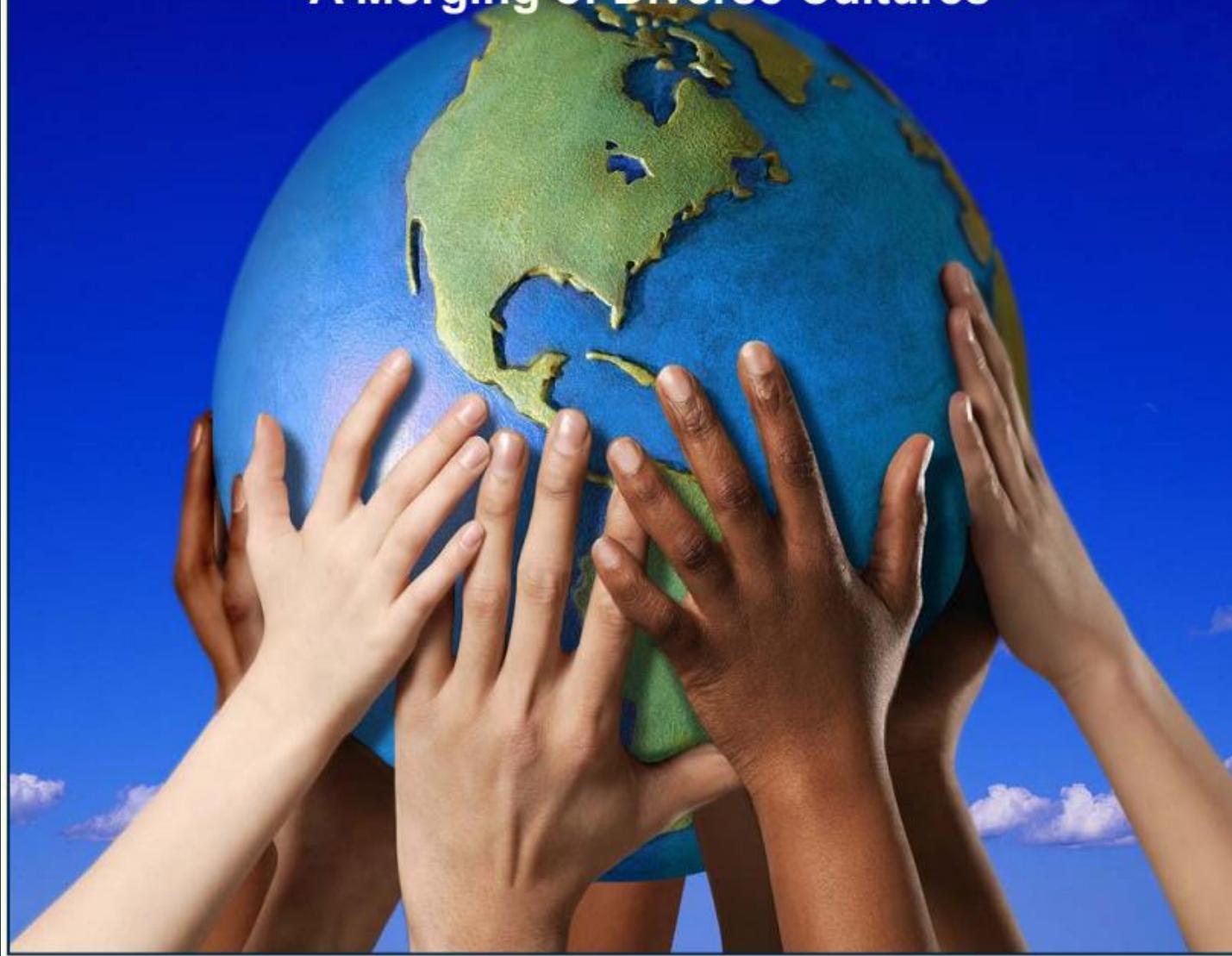
- **Epidemiologic and Behavioral Studies**

- **Outcomes Research and Health Services Research**

\*From NIH Director's Panel on Clinical Research, 1996

# History of Clinical Research

## - A Merging of Diverse Cultures -



# History of Clinical Research

## - A Merging of Diverse Cultures -

John I. Gallin, M.D.

Director, NIH Clinical Center



October 13, 2015



# Ethics The Soul of Medicine





# Hippocrates, Principles of Medical Ethics

1. Non-Maleficence
2. Beneficence
3. Justice
4. Respect for Autonomy
5. Confidentiality

# The First Principle

Non-Maleficence

“Primum, Non Nocere”

First, DO NO HARM

# The Second Principle

Beneficence



The Third Principle

**Justice**



The Forth Principle

**Respect for Autonomy**



The Fifth Principle

**Confidentiality**

# To see and See Again

- Shoulder of giants
- The spirit of inquiry, our responsibility ?
  - Al Rhazi
  - Ibn Sena
  - Ibn Al Haitham
- Where do We Stand?

To See and See Again

You Can Make A Difference