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**A review of Some Physical principles on human body**

**THESIS SUBMITTED FOR PARTIAL FULFILMENT FOR  
REQUIREMENT OF M.Sc. DEGREE IN  
MEDICAL RADIATION PHYSICS.**

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## Proposal Submitted for MSc in Medical Radiation physics

### **REVIEW BOOK ON PHYSICS OF HUMAN BODY**

#### **INTRODUCTION:**

Recent years have witnessed a rapid development and increasing use of medical physics as analytical procedure and diagnostic tool in health care services.

To cope technology, the department of Biomedical Engineering has been founded in 1995.

Students of medicine; biomedical engineering and Para-medicals always need ideas of physics related to the working of human body. But there are no many professional books in such topics.

In the process the student expends much energy and there is gross wastage of their precious time ; also all students do not get an opportunity to go through all or many authentic books .

#### **PROBLEM OF RESEARCH:**

Lack of specialized book explaining physics related to the working of human body.

#### **HYPOTHESIS:**

- Because there is no one thought about the problem (specialized reference explains physics within human body).

#### **OBJECTIVES:**



- 1- To produce an output that would serve as an introductory reference to graduates in MEDICAL PHYSICS and BIOMEDICAL ENGINEER as well serving the needs of medical student with an interest in the technology aspect of medicine.
- 2- To create encyclopedia for medical physics library.
- 3-To collect all the information about physics in human body that established in different references, papers, journals and thesis in one book.
- 4-To collect information available as many as possible on physics of human body in one book to assist researchers for further studies within the information obtained.

## **METHODOLOGY:**

### **LITERATURE REVIEW:**

- Source of data collection:(SCIENTIFIC REFERENCE, JOURNAL, WEB SITE (INTERNET) and PREVIOUS RESEARCHES (THESIS).
- Classification of the collected information according to the human body systems.

## **THESIS SCOPE:**

The thesis will be presented in four chapters.

In **chapter one** general introduction is give , basic concepts in physics used in physical aspects including anatomy and physiology of some organs or system of human body that can be describe as physical parameters or phenomena.

### **Chapter two:**

Literature review which will discuss the main theoretical concept related to the topic.

### **Chapter three:**



Discussion and analysis of data collected which will illustrate the relation between the physical formula and its application within the human body system or organs.

**Chapter four:**

Conclusion and recommendation of the thesis .