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## **Doctorate of Medicine (MD) Physiology**

A **Doctorate in Medical Physiology** is a degree that allows you to specialize in one area of the human body. This field involves studying the vital functions of organisms. Students will study the distribution of organic molecules and the synthesis of proteins. They will study the functioning of different tissues and how these processes affect animals. The field requires analytical skills and problem-solving skills.

They will need to develop hypotheses and design experiments to answer questions. In order to become a physiologist, you must possess the necessary academic, research, and communication skills. This doctorate program requires students to have excellent numeracy skills, attention to detail, and process operation. The program also requires a lot of research experience. Once you are accepted, you will be able to become a physician in a hospital or research institute. Your education will prepare you for a rewarding career in medicine and physiology.

#### **Benefits of Doctorate of Medicine Physiology**

A **doctorate in physiology** can open up numerous opportunities. This field combines an in-depth knowledge of the human body and its functioning with a focus on the chemistry and physics of how the body functions. Graduates of this program are equipped to help patients, researchers, and physicians understand the inner workings of the human body and how to make improvements when something isn't working correctly. Most of the physiology training is based on laboratory research, but some physiologists focus their research on the function of single cells and proteins. Others study how these cells interact with each other and form tissues and organs.







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Choosing a physiology doctorate can lead to a variety of rewarding careers, including careers in academia, industry, and pharmaceuticals. The **doctorate in physiology program** can help you gain employment in the medical field. Students with this degree will be trained in biochemistry, gene expression, kinesiology, and animal physiology. Additionally, a master's degree in physiology will prepare you for a career in research and development. You can also choose to teach physiology and conduct research related to human health.

### **Eligibility for Doctorate of Medicine Physiology**

Candidates who have completed MBBS or an equivalent degree from a recognized university are eligible for the MD Physiology course.

Candidates who have 55% of marks in an MBBS degree or an equivalent degree are also eligible.

The percentage may vary from one college to another.

### **Future Scope of Doctorate of Medicine Physiology**

The field of medicine requires a **Doctorate of Medicine in Physiology**. The average salary for a doctorate in physiology is between three and 10 LPA. This salary depends on several factors such as company, expertise, and method of practice. This degree also prepares you for further research and teaching. It is an ideal option for those who want to work as scientists in the field of medicine. The career opportunities after completing an MD physiology course are diverse. These include jobs in government, private, and international organizations. In addition to medical practice, MD physiology graduates can also choose to pursue careers in research and academia.

For example, some students choose to become physiologists in a laboratory. Another option is to be a research scientist in the field. Many scientists find it satisfying to conduct their research and develop innovative medical products. As a physician, a physiology graduate may decide to pursue a career in clinical practice or as a nurse. They may also opt to do graduate studies and become a physiologist. Their doctorate degree can also lead to careers in the health care fields, such as science policy and patent law.

# **Career Opportunities and Job Prospects of Doctorate of Medicine Physiology**

The job prospects of a doctorate holder in physiology are quite varied. Some physiologists are medical doctors while others are employed in research laboratories. The physiology degree will enable you to become a clinical physiologist. You can work as a medical doctor, a professor, or a researcher. These positions require knowledge of human body function and physiology. As a doctor, you will gain the skills and knowledge needed to design, conduct, and evaluate experiments.

You will also gain skills in research, writing, and communicating science. A **Doctorate of Medicine physiology** is ideal for those interested in pursuing a career in clinical physiology. You will learn about the human body and its functions. In addition, you'll develop skills to conduct experiments and to write scientific papers. In addition, you'll gain valuable work experience. Many programs also offer work experience. You can also make speculative arrangements for placements.

# **Course duration and fee details of Doctorate of Medicine Physiology**

The MD physiology course is a three-year degree program.

The average fees for the completion of the program are between 10K to 30 Lakhs and it may vary from the type of institution you choose.



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**Campus** 



University



Ranchi

Ranchi University



**Eligibility** 



**Duration** 



Type of Course

**MBBS** 

3 Years

Post Graduate

### Syllabus of Doctorate of Medicine (MD) Physiology

### **Syllabus of MD Physiology**

S.No	Subjects
1	General and Cellular Physiology
2	Hematology
3	Leucocytes
4	Renal Physiology and Fluid balance
5	Cardiovascular Physiology
6	Neural Physiology: General, Sensory, and Motor
7	Endocrine and Reproduction Physiology
8	Human Physiology

### **Ranchi University Highlights**

Established in	1960
University Type	State University
Recognized by	UGC , AICTE , AIU , NAAC , NCTE , BCI , INC , MCI ,
Courses	61



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