

# **Teerthanker Mahaveer Medical College & Research Center**

Bagarpur, Delhi Road, NH-24 Moradabad-244001(U.P.)

Ref. No. TMMC/PHYSIO/375/22

Date:- 17/09/2022

## **Department of Physiology**

### **Minutes of Meeting of Board of Studies**

#### **Course: Value Added Course**

#### **Basics of Cardiorespiratory Examination**

**Venue: HOD Physiology Room**

**Date: 17/09/22**

A meeting of Board of Studies members was held in the Department of Physiology on 17/09/2022 at 11:00 AM.

#### Agenda of the meeting

1. Brief introduction to the proposed value-added course
2. Suggestions by the external expert for possible opportunities for the students and effective implementation of the course
3. Other issues related to the course

The following members were present in the meeting :

- |   |                 |
|---|-----------------|
| 1. Dr. Jayballabh Kumar (Prof & HOD)        | Chairperson     |
| 2. Dr. Devesh Kumar (Associate Professor)   | External Member |
| 3. Dr. Ritu Adhana ( Professor)             | Internal member |
| 4. Dr. Anjali Verma ( Professor)            | Internal member |
| 5. Dr. Jaspreet Kaur (Assistant Professor)  | Internal member |
| 6. Dr. Sanket Jheetay (Assistant Professor) | Internal member |

At the onset of the meeting, the chairman welcomed the members of BOS & placed the agenda of the meeting: **Approval of Basics of Cardiorespiratory examination for Medical and Allied Health Students (Both UGs and PGs).**

The points discussed amongst the faculty members in the latest ARC meeting were put forth to the external experts for their opinion & suggestions

## Course objectives:

1. To study the basic anatomy and physiology of the cardiovascular system and respiratory system
2. To perform cardiovascular and Respiratory system examinations efficiently in a systematic manner
3. Programme is designed to develop the knowledge, skills, attitude, and ethical values required to provide excellent patient-centered care
4. To interpret and analyze clinical findings

## COURSE OUTCOMES:

After completing this course students will be able to:

1. Improve their knowledge and efficiency of cardiovascular and respiratory system examination
2. Identify any need for a more detailed investigation and referral.

## Course Completion Guidelines:

- MBBS first-year onward students (including PGs), UGs and PGs of allied health sciences from dental, nursing, pharmacy, and physiotherapy, and M.Sc.(medical) students can enroll.
- A minimum of 80% attendance will be required to be eligible for the final assessment.
- Final assessment would be OSCE as well as case discussions
- Certificate on completion

## COURSE CONTENT –

Hours

### LECTURES (Cardiovascular system)

- Basic anatomy of the cardiovascular system 1 hour
- Cardiac cycle 1 hour
- Arterial pulse, JVP 1 hour
- Blood pressure components, factors affecting blood pressure 1 hour
- Regulation of blood pressure 1 hour
- Effect of exercise on the cardiovascular system 1 hour

### PRACTICALS (Cardiovascular system)

- Examination of Arterial pulse, Study of pulse wave on digital Physiograph 1 hour
- Examination of precordium- Inspection, palpation, percussion and Auscultation, Heart sounds, Video explaining various heart sounds 1 hour
- Measurement of blood pressure manually 1 hour
- Effect of posture on blood pressure 1 hour
- Effect of exercise on blood pressure 1 hour
- Examination of the cardiovascular system in a clinical setting 1 hour

### LECTURES (Respiratory system)

- Basic Anatomy of Respiratory system, mechanics of breathing 1 hour

### PRACTICALS (Respiratory system)

- Examination of Respiratory system- Inspection, palpation, percussion, and Auscultation, Video explaining Respiratory system examination including various added respiratory sounds 2 hours

- Examination of Respiratory system in a clinical setting 1 hour

**Total duration** 16 hours

### Resource Faculty

1. Dr. Jayballabh Kumar (Prof & HOD)
2. Dr. Ritu Adhana ( Professor)
3. Dr. Anjali Verma ( Professor)
4. Dr. Jaspreet Kaur (Assistant Professor)
5. Dr. Sanket Jheetay (Assistant Professor)

Comment by members (If any)

*Nice initiative taken by University. It will raise the standard of the University.*

Finalization of Approval:

Introduction of value-added course - **Basics of cardiorespiratory examination** for the UG and PG students of all streams enrolled in TMU by the department of Physiology is approved by all the members unanimously.

The meeting ended with a vote of thanks to the chairperson and external member

Dr. Jayballabh Kumar *Josk*  
Chairperson 17/9/22  
(Prof & HOD)  
Physiology, TMMC & RC  
Moradabad

Dr. Ritu Adhana *Ritu*  
Professor 17/9/22  
Internal member  
Physiology, TMMC & RC  
Moradabad

Dr. Jaspreet Kaur *Jaspreet*  
Internal member 17/9/22  
Assistant Professor  
Physiology, TMMC & RC  
Moradabad

Dr. Devesh Kumar *Devesh Kumar*  
External member 17/9/22  
Associate Professor  
Autonomous Medical College  
Sehjanpur

Dr. Anjali verma *Anjali*  
Professor  
Internal Member  
Physiology, TMMC & RC  
Moradabad

Dr. Sanket Jheetay *Sanket*  
Internal Member 17/9/22  
Assistant Professor  
Physiology, TMMC & RC  
Moradabad

# Teerthanker Mahaveer Medical College & Research Center

Bagarpur, Delhi Road, NH-24 Moradabad-244001(U.P.)

Ref. No. TMMC/PHYSIO/464/23

Date:- 22/05/2023

## Department of Physiology

### Minutes of Meeting of Board of Studies

A meeting of Board of Studies members was held in the Department of Physiology on 22/05/2023 at 11:00 AM.

The internal members present in the meeting were:

1. Dr Jayballabh Kumar (Prof & HOD) *Josk*
2. Dr Ritu Adhana (Prof) *Ritu*
3. Dr Deepika Puri (Assistant Prof) *Deepika*

The external member present was:

*Devesh Kumar*

Dr. Devesh Kumar, Associate Professor, Department of Physiology, Autonomous Medical College, Shahjahanpur, UP.

### Presentation of Dr. Jayballabh Kumar ( Prof & HOD)

- Welcomed all the members of the board of studies.
- Brief introduction of the proposed UG programme B.Sc. (Medical physiology)
- Curriculum and syllabus for B.Sc. (Medical physiology)
- Placed the agenda of the meeting.

The agenda of the meeting were as follows-

- Approval of syllabus of the new graduate programme B.Sc. (Medical physiology)
- Suggestions for effective implementations of the program
- Any other matter with the permission of the chairman.

## Introduction-

### Framing of objectives of curriculum and syllabus of B.Sc (Medical Physiology)

The chairman informed the house that the department team has been working on framing of objectives of the graduate training of the B.Sc (Medical Physiology) course. Programme objectives and outcomes were presented.

- These objectives are framed to develop skills and scientific approaches in the students and to make them competent for teaching medical students.
- This course will provide knowledge of Human physiology to the bachelor level students that would help them to have newer job opportunities as well as provide them a platform for higher studies.
- The graduate will have theoretical and experimental knowledge, skill, and aptitude in various aspects of human physiology.
- The students will be provided valuable exposure and knowledge through lectures, practicals, tutorials, seminars and e-learning.

The following comments were given by the external member of BOS

- Programme objectives and outcome are properly framed.
- Syllabus and year wise course content is appreciated and approved.

The following Suggestions were given by the external member of BOS

- The external member suggested to include research methodology & basics of computers in the curriculum
- Short research paper on any related topic of the subject can be included in the curriculum which will enhance their interest in the particular field of the subject and research .

The meeting ended with a vote of thanks by Dr.Jayballabh Kumar to external and internal members for their valuable and expert suggestions and guidance.

Signature of the members of Board of Studies

Dr. Devesh Kumar (Associate Professor)	External Member	Devesh Kumar 22/5/2023
Dr. Jayballabh Kumar (Professor)	Internal Member	Josak 22/5/23
Dr. Ritu Adhana ( Professor)	Internal Member	Ritu 22/5/23
Dr Deepika Puri (Assistant Professor)	Internal Member	Deepika 22/5/23

Josak 22/5/23  
(Prof. & Head)

Dr Jayballabh Kumar

Copy to:

1. Vice Chancellor, TMU
2. Principal, TMMC & RC
3. Vice Principal, TMMC & RC