

Department of Physiology

Importance of the Value added course:

The basic anatomy and physiology of the circulatory and respiratory systems are covered in this course, which will be particularly beneficial for medical students pursuing the MBBS, MD, or DM in neurology as well as those studying anatomy and physiology. To efficiently and methodically examine the respiratory and cardiovascular systems in a clinical setting will allow the learner to arrive at a diagnosis quickly and help in a better prognosis. The programme aims to foster the information, abilities, attitudes, and moral principles needed to deliver exceptional patient-centred care, to evaluate and understand medical results.

GUIDELINES

- MBBS STUDENTS, UG'S & PG'S OF ALLIED COURSES CAN ENROLL.
- THE FINAL EVALUATION WILL REQUIRE A MINIMUM OF 80% ATTENDANCE.
- DISCUSSIONS AND OBJECTIVE QUESTIONS WOULD BE PART OF THE FINAL EVALUATION.
- CERTIFICATE AT THE COMPLETION OF COURSE.

- A flexible schedule
- Completion of attendance requirements in accordance with university policies.
- A 10% relaxation in attendance requirements
- The awarding of certificates upon course completion.

Students who
successfully complete
this course will be
eligible to:

- Increase their competency in performing examinations of the cardiovascular and respiratory systems.
- Determine any areas that require further research or referral.

**TEERTHANKER
MAHAVEER
MEDICAL
COLLEGE
& RESEARCH
CENTRE**

**DEPARTMENT OF PHYSIOLOGY
OF VALUE ADDED COURSE
-BASICS OF CARDIORESPIRATORY
EXAMINATION**



DEPARTMENT OF PHYSIOLOGY

VALUE ADDED COURSE -BASICS OF CARDIORESPIRATORY EXAMINATION

Resource Faculty:

Dr Jayballabh (Prof. & HOD)

Dr Ritu Adhana (Professor)

Dr Anjali Verma (Professor)

Dr Jaspreet (Assistant Professor)

Dr Sanket Jheetay (Assistant Professor)

Course coordinator

Dr Ritu Adhana

Professor

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

LECTURES (Cardiovascular system)

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

PRACTICALS (Cardiovascular system)

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

LECTURES (Respiratory system)

- Basic Anatomy of Respiratory system, mechanics of breathing (1)

PRACTICALS (Respiratory system)

- Examination of Respiratory system- Inspection, palpation, percussion and Auscultation, Video explaining Respiratory system examination including various added respiratory sounds (2)
- Examination of Respiratory system in clinical setting (1)

Duration:

29/11/2022 - 31/3/2023

Registration Date:

15/11/2022 - 29/11/2022

Registration Form

Name

Date of Birth:

Designation:

College & Institute:

Mobile No:

e- Mail ID:

ID Card Number:

Registration Date:

COURSE OUTCOMES

After completing this course students will be able

to:

- Improve their knowledge and efficiency of cardiovascular and respiratory system examination
- Identify any need for more detailed investigation and referral

Reference books-

- Bickerstaff's Neurological examination in clinical practice, 7th Adapted edition 2017.
- Hutchison's clinical methods, 24th international edition, 2017
- Ghai's textbook of practical physiology, 9th edition, 2018
- Textbook of practical physiology, G.k Pal, 5th edition, 2020
- Textbook of practical physiology, Ranade, 4th edition