



Swarnim Startup and Innovation University, Gandhinagar

Aarihant Homoeopathic Medical College

VALUE ADDED COURSE(2022-23)

Course name -Electrocardiography (ECG) - Interpretation & Application in Clinical Practice

Organizing Department - Practice of Medicine

Course code - VACECG

Course co-ordinators - Dr Krishna Biswal

Duration - 30 hours

Date -1stJan 2023 to 25thFeb,2023

Course Time: 2 hours Friday and 2 hours on Saturday

Course Duration: 2 months (1st January to 25thfebruary, 2023)

Time of lecture: 5:00 pm to 7:00 pm

Resource Person:

Google Meet link:

Aim

1. To get knowledge of the basic principles of Electrocardiography.

Objectives

- 1. To understand the basic cardiac anatomy & physiology.**
- 2. Identify & understand the basic ECG waves & intervals**
- 3. Enumerate the procedure for taking an ECG**
- 4. Interpretation & diagnosis of cardiac arrhythmias, Hypertrophies, ischemia, MI, Conduction problem, Heart failure & pacemaker activity**
- 5. Assessing therapeutic options for patient with heart failure.**
- 6. Differentiate a normal ECG from an abnormal ECG**



**Principal
Aarihant Homoeopathic
Medical College & R.I.
Ghoyan Rathod, Gandhinagar**



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Content of the course

Sr.no.	Module	Duration
1.	ECG BASIC	2 hours
2.	ELECTROPHYSIOLOGY	2 hours
3.	DEFINITION	2 hours
4.	GRAPH PAPER	2 hours
5.	LEADS	2 hours
6.	HEART SURFACE WALL & LEADS	2 hours
7.	AXIS	2 hours
8.	ECG ARRHYTHMIA	2 hours
9.	ECG BLOCK	2 hours
10.	HYPERTROPHY	2 hours
11.	ECG VARIANTS IN ELECTROLYTE IMBALANCE AND DRUGS	2 hours
12.	MI	2 hours
13.	UNSTABLE ANGINA	2 hours
14.	PRIZMETAL ANGINA	2 hours
15.	ST SEGMENT ELEVATION MI&NON-STSEGMENT ELEVATION MI	2 hours

Teaching aids

PPTs, Videos, Case studies, ECG machine practical session and Discussion.

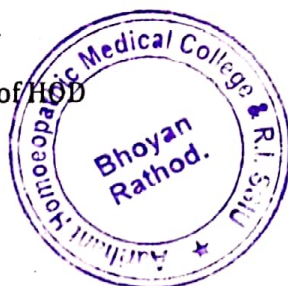
Assessment criteria

Assessment would be done based on oral examination, ECG graph Interpretation, diagnostic skills & ECG based Quiz test. The certificate would be provided on successful completion of the course.

Eligibility criteria

Medical Students – UG, PG students of BAMS.

Signature of HOD



Principal
Aarihant Homoeopathic
Medical College Gandhinagar

Bhoyan Rathod, Gandhinagar