



Swarrnim Startup and Innovation University, Gandhinagar

Aarihant Ayurvedic Medical College

VALUE ADDED COURSE (2023-24)

Kayachikitsa Department

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

Organizing Department – Kayachikitsa Department

Course code – KCECG

Course co-ordinators – Dr. Tushar Punse,& Dr. Binal Gondalia

Duration – 30 hours

Date – 1st Jan 2023 to 25th Feb,2023

Preamble

The Kayachikitsa Department at our institution plays a vital role in providing comprehensive education and training in the field of healthcare. This department is essentially concerned with graduate education, research and patient care in the area of Ayurvedic internal medicine and its clinical specialties. The main focus of this department will be to make the student aware the fundamental of diagnosis and treatment, various approaches to the treatment of various diseases and to make the students familiar with the various modern tools and techniques of investigations and latest ultramodern information regarding the general life saving procedures in emergency and intensive management. Recognizing the paramount importance of Electrocardiography (ECG) in diagnosing and managing various cardiac conditions. We Kayachikitsa department has organized a specialized ECG course for students. Significance of ECG training for aspiring healthcare professionals, the curriculum structure of the course, the practical hands-on experiences offered, as well as the certification and career opportunities that await successful participants.

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

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 ST SEGMENT 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.

