



आरोग्यम् सुखं सम्पदा

# ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (C.G.) NATIONAL CME cum WORKSHOP ON ECG INTERPRETATION

**THEME - "ECG in Emergency" (Adult & Paediatrics)**

**Date: 30th July 2022 (Saturday)**

**Time: 08:30 am - 04:00 pm**

**Organized by: Department of Trauma and Emergency**



CG MC accredited credit hours: 02 hours for delegates and 05 hours for faculty speaker

## VENUE

**Lecture Theater 4, Medical College Building, Gate No. 05  
AIIMS Raipur (Chhattisgarh)**

## CHIEF PATRON



**Prof. (Dr.) Nitin M. Nagarkar**  
Director & CEO  
AIIMS, Raipur

## PATRON



**Prof. Dr. Alok C. Agrawal**  
HoD (Dept of Ortho) & Dean (Academics)  
AIIMS, Raipur

## GUEST FACULTY



**Dr. Anandhi D**  
Assistant Professor, Dept of EM  
JIPMER, Puducherry-6

## GUEST FACULTY



**Dr. Naman Agrawal**  
Assistant Professor, EM  
AIIMS Rishikesh

## GUEST FACULTY



**Dr Vimal Krishnan S**  
Associate Professor Kasturba Medical  
College, Manipal

## FACULTY



**Dr. Satyajit Singh**  
Associate Professor & I/C Cardiology  
AIIMS, Raipur

## FACULTY



**Dr. Avinash Ingle**  
Associate Dean (Exam.) & Professor  
Physiology, AIIMS, Raipur

## ORGANIZING CHAIRPERSON



**Dr. Chandan K Dey**  
Assistant Professor, T&E  
AIIMS, Raipur

## ORGANIZING SECRETARY



**Dr. Varun Anand**  
Assistant Professor, T&E(Paedia)  
AIIMS, Raipur

## CO-ORGANIZING SECRETARY & TREASURER



**Dr. Santosh K Rathia**  
Assistant Professor, T&E (Paedia)  
AIIMS, Raipur

## PROGRAM

Time	Topic	Presenter
08:30 am to 09:00 am	Registration	
09:00 am – 09:15 am	Introduction and Welcome	<b>Dr Varun Anand</b> T&E, AIIMS Raipur
09:15 am – 09:35 am	Basics of ECG	<b>Dr. Avinash Ingle</b> Associate Dean (Exam.) & Professor, Physiology
09:35 am – 09:55 am	Tachyarrythmias - I	<b>Dr. Naman Agrawal</b> Assistant Professor, EM (AIIMS Rishikesh)
09:55 am – 10:15 am	Acute Coronary Syndrome	<b>Dr. Satyajit Singh</b> (Associate Professor & In-charge, Cardiology)
10:15 am – 10:35 am	Bradyarrythmias and heart blocks	<b>Dr. Anandhi D</b> Assistant Professor, EM, JIPMER, Puducherry-6
10:35 am – 10:55 am	Inauguration by Honb'le Director AIIMS Raipur	<b>Prof (Dr) Nitin M Nagarkar</b> Director & CEO, AIIMS Raipur
10:55 am – 11:10 am	Tea Break	
11:10 am – 11:30 am	Tachyarrythmias - II	<b>Dr. Naman Agrawal</b> Assistant Professor, EM (AIIMS Rishikesh)
11:30 am – 11:50 am	Approach to ECG in patients with Syncope	<b>Dr Vimal Krishnan S</b> Associate Professor Kasturba Medical College, Manipal
11:50 am – 12:10 pm	Paediatric ECG: Is it different?	<b>Dr. Varun Anand</b> Assistant Professor, Paediatric Emergency Medicine
12:10 pm – 12:30 pm	Electrolyte Imbalance	<b>Dr. Santosh K Rathia</b> Assistant Professor, Paediatric Emergency Medicine
12:30 pm – 12:50 pm	Miscellaneous Emergency Conditions	<b>Dr. Chandan K Dey</b> Assistant Professor, T&E
12:50 pm – 01:30 pm	LUNCH	
01:30 pm – 03:30 pm	Skill stations and hands-on	<b>Station coordinator- Dr. Naman Agrawal &amp; All Faculties</b>
03:30 pm – 03:45 pm	Quiz* and Prize Distribution (Closing ceremony)	<b>Dr. Chandan K Dey Dr. Santosh K Rathia</b>
03:45 pm – 4:00 pm	Certificate Distribution followed by High Tea	

## Skill stations and Hands-on

Workstation - I	Workstation - II	Workstation - III	Workstation - IV
Topic Normal ECG tracings and electrophysiology	Topic Tachy & Brady-arrhythmias & Heart blocks	Topic ECG changes in Acute MI	Topic Electrolyte disturbances and other emergency conditions
Dr. Avinash Ingle (Adult) & Dr. Varun Anand (Paediatric)	Dr. Naman Agrawal & Dr. Anandhi D	Dr. Satyajit Singh & Dr. Chandan K Dey	Dr Vimal Krishnan S & Dr. Santosh K Rathia

## Registration Details

1. Click on the link and fill all the details

[https://docs.google.com/forms/d/e/1FAIpQLSckxRs8n5-HW7PEf21AhzhidDP2qKC4OmNry45h5inpUIV-uA/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSckxRs8n5-HW7PEf21AhzhidDP2qKC4OmNry45h5inpUIV-uA/viewform?usp=sf_link)

2. Pay online or Scan the QR code fees (₹1000/-)

Account Number: 936310110008027  
Account name: T&E workshop  
IFSC Code: BKID0009363  
Branch Name: BOI, Tatibandh, Raipur



3. On successful registration and acceptance, we will send you a confirmation mail (as per limited seat availability).

## How to Reach

### Reach by Air

Swami Vivekananda Airport or Mana Airport is primary airport serving the state of Chhattisgarh. The airport is located in the south of Raipur near Naya Raipur and you can easily get regular flights to Raipur from other major cities of the country.

\* AIRPORTS AUTHORITY OF INDIA

<https://www.raipurairport.com>

### Reach by Train

Raipur Junction railway station is situated on the Howrah-Nagpur-Mumbai line of the Indian Railways (via Bhusawal, Nagpur, Gondia, Bilaspur, Rourkela, Kharagpur) and there are regular trains from other major cities of the country.

\*INDIAN RAILWAY CATERING AND TOURISM CORPORATION

<https://www.irctc.com>

Contact Details: Dr. Santosh K Rathia (98916 11996)

Mr. Ankit kumar (75879 41281)

Program Coordinator – Mr Prakash Sabani - DNS, T&E (72041 76718)

E-mail ID: [ecg@aiimsraipur.edu.in](mailto:ecg@aiimsraipur.edu.in)

ORGANIZED BY

DEPARTMENT OF TRAUMA AND EMERGENCY

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR CHHATTISHGARH

(Autonomous Institute under Government of India)

# ECG in Emergency

Electrocardiography (ECG) is a process of producing an electrocardiogram. It is a graph of voltage versus time of the electrical activity of the heart using electrodes placed on the skin over chest and limbs. ECG is one of the most important diagnostic parameter to recognize life threatening emergencies in the Emergency Department (ED).

As per the literature, cardiovascular diseases are currently the most common cause of death worldwide.

In our setup 1934 cases of hypertension, 188 cases of CVA and 35 cases of complete heart block arrived in 2021 at the Department of Trauma and Emergency. Similarly in 2022 we have already received 1288 cases of hypertension and 10 cases of CVA and 15 cases of complete heart block (as on dated 30.06.2022, source MRD, AIIMS-R).

The early detection of arrhythmias and acute MI is very important especially in the golden hour to assure the early treatment and good outcome. As electrocardiography is simple, noninvasive and inexpensive, so it is one of the most widely available and frequently used method for the cardiac electrical activity examination. The ECG has broad applications in clinical diagnosis and prognosis of cardiovascular disease. It is, therefore important to ensure that the first ECG recorded in patients admitted to the ED is fully utilized.

Many on-line courses are available to enhance the skills in interpreting ECG but Indian courses are lacking and by developing our institutional ECG

Training course cum workshop, we can further fetch it to the national level to extend the learning and knowledge amongst the health care workers.

## Beautiful Places to visits near Raipur, CG

Barnawapara Wildlife Sanctuary



Bhoramdeo Temple



Chitrakote Falls



Sirpur



Tirthgarh Falls



Mainpat

