



Dear Delegates,

I am happy to invite you to **First Basic & Advanced ECG Course** at AIIMS Rishikesh.

ECG - Eye to heart electrical activity is extremely useful in timely management of cardiac emergencies like arrhythmias and timely reperfusion in cases of acute coronary syndromes. It is also useful in identifying non cardiac medical emergencies like hyperkalemia, pulmonary embolism, myxoedema, etc.

Rhythm Disorders common but underrated : Cardiac rhythm disorders are extremely common. Atrial fibrillation has a prevalence of 5-15% of general population, increasing with age and is responsible for majority of preventable strokes. Similarly, sudden cardiac arrest is the leading cause of death and leads to more mortality than cancers and infectious deaths combined. Presently, heart rhythm disorders are underrated & not recognised timely & in absence of public awareness and public automatic external defibrillator availability a victim of sudden cardiac arrest faces certain death.

Lost time is never found again : Cardiac Emergencies do not give much time, the window period is extremely short (less than few minutes for ventricular fibrillation causing sudden cardiac arrest). Prompt recognition and urgent resuscitation by person witnessing the event is the only means of successfully preventing a sudden cardiac death. Also, not able to recognise arrhythmias like atrial fibrillation can have serious complications like stroke & heart failure.

Smartphone : New ECG machine : Latest advances in heart rhythm abnormalities detection by use of iPhone, apple watch, Alivecor are enabling detection of these abnormal rhythms at remote and far places and can be quickly transferred to physicians for quick opinion & emergent treatment.

Monitor & consult from home: Even remote monitoring or trans telephonic monitoring of pacemakers, cardiac devices like intra cardiac defibrillator, cardiac resynchronisation therapy is possible and data can be transferred to clinician office from home. These newer developments have made possible use of life saving measures to be initiated at once when needed.

Rhythm Disorders : Cure Possible : Electrophysiology is the only curative branch of medicine with cure rates of more than 90% for majority of heart rhythm disorders with minimally invasive procedures like radio frequency ablation. Recently, there has been enormous progress in this field and even arrhythmias like atrial fibrillation, ventricular tachycardia, and few subsets of ventricular fibrillation can be successfully treated by radio frequency ablation with good success rate and now we are moving forward to curing these as well.

Metallic to Biological pacemakers & translational research : The newer advances in device technology like lead-less pacemakers with pacemaker of size less than a coin, wireless left ventricular endocardial pacing for cardiac resynchronisation therapy, His Bundle pacing - the most physiological way to pace & for CRT non responders will further improve the way we treat advanced heart block and heart failure patients. Further research in devel-

oping biological pacemakers & translational research for genetic disorders causing cardiac arrhythmias has potential in future to permanently cure these deadly disorders.

Learn CPR : Be a Hero Save a Life : It is very important for medical faculty to have good knowledge of these cardiac arrhythmia emergencies as because of too short a window period , prompt action by the immediate person witnessing the event is the only chance of victims survival. It is also important for caregivers of patients with high risk of sudden cardiac arrest like those with previous myocardial infarction ,heart failure or genetic abnormalities predisposing them to ventricular tachycardia and fibrillation to learn how to recognise and use automated external defibrillator.

ECG : Iconic Discovery of Century : EKG was invented more than hundred years ago and with it started growth of cardiology as separate speciality and this still remains the single most important discovery in medicine till now . The amount of information gained through this oldest , cheapest and initial investigation is enormous and the conference gives an opportunity to physicians , surgeons , anaesthesiologist , medical, paramedical and nursing students , interns to get ready to deal with cardiac emergencies as you never know when sudden cardiac arrest strikes.

Learn & Serve : Since life long continuous learning , innovation & application to serve humanity is a part of medical professional journey, the conference has been designed to cover both basics & latest advances in easy to learn and understand format by top national faculty. ***The Uttarakhand Medical Council has granted 2 hours CME accreditation hour to the conference.***

Relax & Rejuvenate : Rishikesh is also blessed with heart touching natural beauty & rich cultural heritage . There are many attractions to Rishikesh both spiritual & adventurous. I on behalf of AIIMS family welcome you & ensure for a wonderful experience.

Prof Ravi Kant

Director & CEO AIIMS Rishikesh

ARRHYTHMIA SUPPORT NETWORK : Pulse is Life



A-Fib, Sudden Cardiac Arrest Support Network: Act Fast Keep Beating



Basic & Advanced ECG Course

ECG : The cheapest , oldest yet the most informative & indispensable cardiac investigation



ARRHYTHMIA SUPPORT NETWORK : Pulse is Life



A-Fib, Sudden Cardiac Arrest Support Network: Act Fast Keep Beating

25th AUGUST, 2018 , AIIMS , Rishikesh

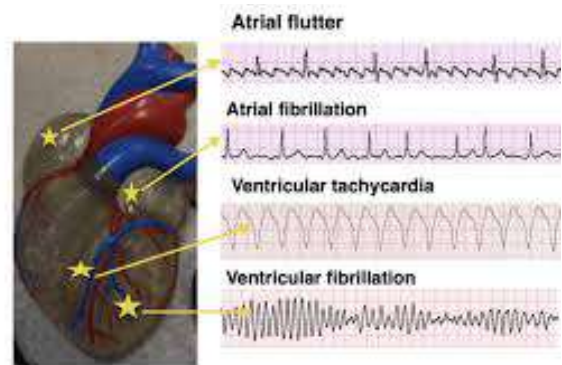
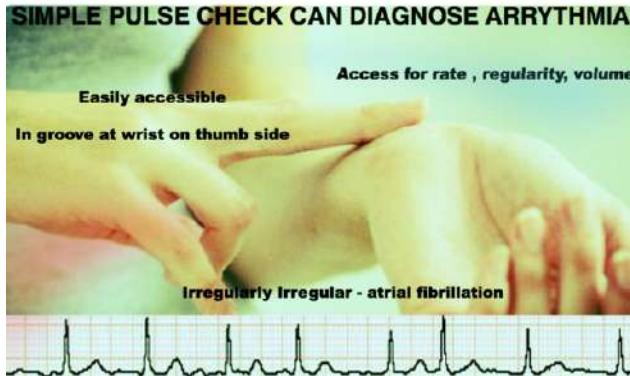
Organised By : Department Of Cardiology , AIIMS Rishikesh

www.arrhythmiasupport.com

Accredited by Uttarakhand Medical Council for 2 Hr CME Credit Points



Education is the greatest weapon for change



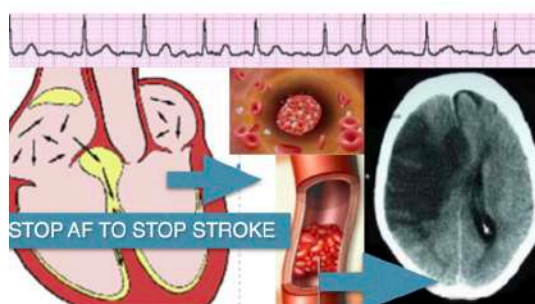
Cardiac arrhythmias are the leading cause of sudden cardiac death, stroke.

Sudden cardiac arrest (SCA) claims one life every two minutes, taking more lives each year than breast cancer, lung cancer, or AIDS.

Responding to SCA — Time is Everything - Lost Time Is never found again

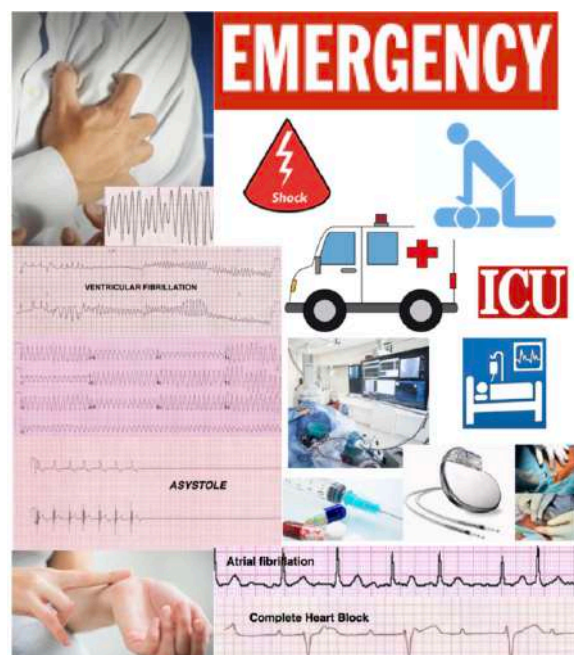
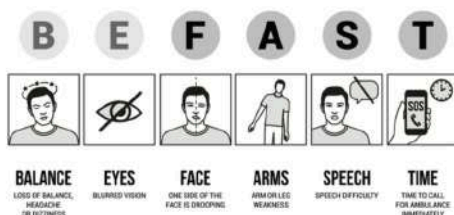
Ninety-five percent of those who experience SCA die because they do not receive life-saving defibrillation within four to six minutes, before brain and permanent death start to occur.

Accurate & swift ECG interpretation is the key to management of cardiac emergencies.



SPOT A STROKE

IF YOU FIND FOLLOWING WARNING SIGNS ACT FAST





Course Details : *The course aims to empower delegates to develop, enhance, appraise and evaluate evidence-based knowledge related to electrocardiography interpretation and treatment of cardiac arrhythmic & non cardiac emergencies & acute coronary syndrome in easy to understand module.*

Uttarakhand Medical Council Accreditation Points:

CME Accreditation: *Successful completion of these CME activities , will entitle the participant to UKMC credit points. Participation in whole day conference which includes participation in the quiz, will entitle the participant to earn 2 credit points; while participation for half day will earn 1 credit point.*

Program Details :

Registration & Breakfast : **8.00 - 9.00 am**

Scientific Program

- 1. Basics of ECG :** Dr Anubhav Singhal , HOD Cardiology, Subharti Medical college, Meerut **9.00 - 9.20 am**
- 2. Approach to arrhythmia :** Dr Rohit Walia, Assistant Professor Cardiology & Electrophysiology , AIIMS Rishikesh **9.30 - 9.50 am**
- 3. ECG in Acute Coronary Syndrome :** Prof Bhanu Duggal , HOD Cardiology, AIIMS Rishikesh **10.00 - 10.20 am**
- 4. ECG Markers of Sudden Cardiac Arrest :** Prof Rakesh Yadav, Department of Cardiology , AIIMS , New Delhi **10.30 - 10.50 am**
- 5. ECG Recognition of Non Cardiac Emergencies ;** Prof. GB Ramteke ; HOD Medicine , MGM Medical College , Indore **11.00 - 11.20 pm**
- 6. ECG interpretation in pacemakers , ICD , CRT ;** Dr Manish Rai , Associate Professor Cardiology, KMC , Mangalore : **11.30 - 11.50 pm**
- 7. Emergency management of arrhythmias :** Dr Tanuj Bhatia , HOD Cardiology Department , Sri Guru Ram Rai Institute of Medical Sciences , Dehradun : **12.00 - 12.20 pm**

Welcome & Inauguration by Honourable Director Prof Ravi Kant : 12.30 to 12.45 pm

- 8. ECG to Intra Cardiac Electrograms (Killing arrhythmia inside EP Lab) :** Dr Rohit Walia, Faculty Cardiology & Electrophysiology , AIIMS Rishikesh **12.45 - 1.10 pm**

LUNCH BREAK : **1.10 - 1.40 pm**

- 10. Sports Cardiology : Pre sports screening & arrhythmia in athletes :** Dr Preeti Gupta , Assistant Professor Cardiology , Vardhman Mahavir Medical College & Safdarjung-Hospital , Delhi **1.40 - 2.10 pm**

13. **Managing Ventricular Arrhythmia Storm** : Dr Rohit Walia , Cardiac Electrophysiologist, AIIMS Rishikesh **2.10 - 2.30 pm**
14. **How to perform percutaneous cervical sympathetic denervation** : Prof Mukesh Tripathi , HOD Anaesthesia , AIIMS Rishikesh. **2.40 - 3.00 pm**
12. **Smartphone based arrhythmia detection** : Dr Roopali Khanna , Associate Professor Cardiology , SGPGI Lucknow **3.00 - 3.20 pm**
13. **Paediatric ECG & Arrhythmia**: Dr Atul Prabhu , Co-Director Paediatric Cardiology , Satya Sai Institute of Cardiology , Raipur : **3.30 - 3.50 pm**
12. **Interesting ECG cases, studies and quiz** : Dr Mohit Walia, Dr Yash Srivastava , Dr Anirudh Vyas , Dr Sonika Lamba , Prashant K Verma **4.00 - 4.20 pm**
16. **Atrial Fibrillation , what a physician should know : How to treat , when to refer** : Dr Rohit Walia , AIIMS Rishikesh **4.30 - 4.50 pm**
17. **Reducing Time gaps in management of ACS** : Dr Barun Kumar , Assistant Professor , AIIMS Rishikesh **5.00 - 5.20 pm**

Hands on workshops on Automated External Defibrillator , Temporary Pacing , Programming pacemakers & cervical sympathetic denervation

Concluding Remarks by Organising Secretary f/b High Tea **5.30 pm**



Chief Patron
Prof Ravi Kant
Director & CEO,
AIIMS , Rishikesh



Co Patron
Prof Surekha Ishore
Dean ,
AIIMS , Rishikesh



Organising Chairperson
Prof. Bhanu Duggal , HOD , Cardiology , AIIMS Rishikesh

Advisors: Prof. Mukesh Tripathi, Dr Brahm Prakash , Prof. Prashant Patil, Prof.- Suresh K. Sharma, Prof. Shalinee Rao, Prof Jaya Chaturvedi, Dr Meenakshi Dhar

Planning Committee: Dr Subodh Kumar , Dr Mohit Walia, Dr Girish Sindwani , Dr Neha Singh, Dr Shashikant , Dr Ravi Kant , Dr Anshuman Darbari, Dr Puneet Dhamija , Dr Vanita Gupta , Dr Pankaj Kandwal, Dr Kumar Satish Ravi, Dr. Prasan Kumar Panda, Dr. Rajesh Kumar Pasricha,

Scientific Committee: Dr Rohit Walia , Dr Barun , Dr Indranil , Dr Yash Srivastava

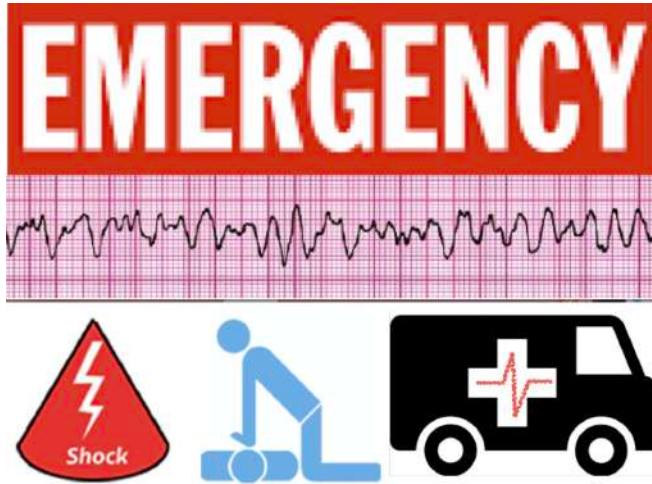


Course Director & Organising Secretary
Dr Rohit Walia
Post Doctoral Fellowship : Advanced Electrophysiology (Taiwan , USA , Germany)
Cardiac Electrophysiology Special Clinic , AIIMS Rishikesh



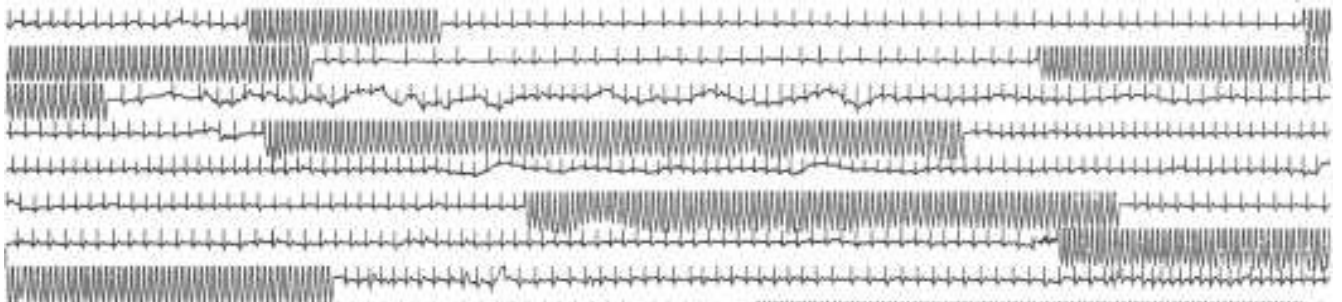
FIRST BASIC & ADVANCED ECG COURSE , AIIMS RISHIKESH

CERVICAL SYMPATHETIC DENERVATION WORKSHOP



Ventricular Tachycardia / Fibrillation ström is a dreaded emergency with high mortality. Repeated Ventricular tachycardia & ventricular fibrillation not responding anti arrhythmic drugs & requiring multiple shocks can respond to percutaneous cervical sympathetic denervation. It's easy & life saving .

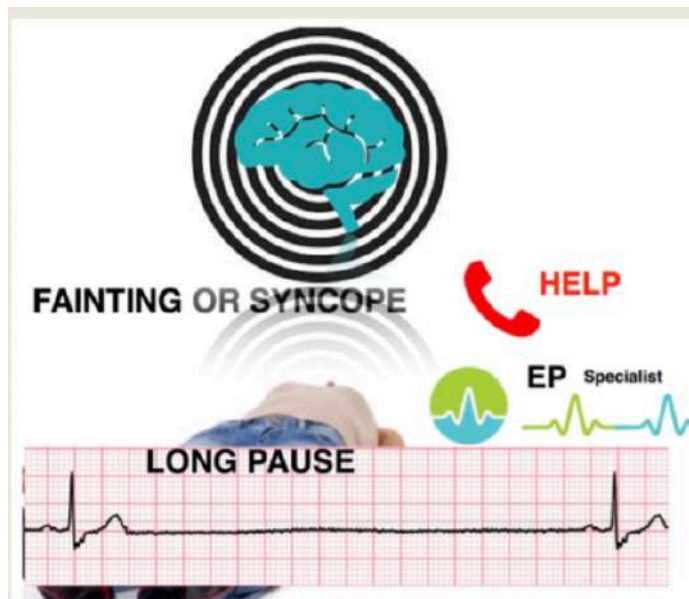
The workshop discusses indications , technique for percutaneous cervical sympathetic denervation .



FIRST BASIC & ADVANCED ECG COURSE , AIIMS RISHIKESH TEMPORARY PACING WORKSHOP

DATE : 25th AUGUST, 2018

Advanced Heart Blocks are serious disorders with high risk of Sudden Cardiac Arrest : Heart Blocks are treatable . With modern & advanced pacemakers these patients have normal life expectancy & normal quality of life.



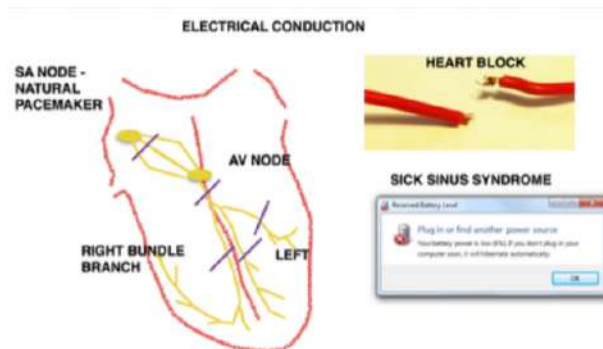
Syncope is temporary loss of consciousness and posture, described as "fainting" or "passing out." It's usually related to temporary insufficient blood flow to the brain. It most often occurs when the blood pressure is too low and the heart doesn't pump a normal supply of oxygen to the brain.

Early Recognition key to saving a life

Health care personal should learn to recognise them at earliest and implants percutaneous or trans venous temporary pacing which constitutes the first & most critical step in saving these patients and subsequent implantation of permanent pacemakers.

Be the real Hero : Save a Life

The workshop will deal with basics of temporary pacing , transcutaneous & fluo-roscopy or echocardiography guided percutaneous venous access for temporary pacing & troubleshooting and management of patients pre & post temporary pace-maker placement.



First degree AV block



Second degree AV block (Mobitz I or Wenckebach)



Second degree AV block (Mobitz II)



Second degree AV block (2:1 block)



Third degree AV block with junctional escape





FIRST BASIC & ADVANCED ECG COURSE , AIIMS RISHIKESH

Sudden Cardiac Arrest Resuscitation WORKSHOP : 25th August , 2018

Sudden cardiac arrest is the leading cause of death. The window period of successful resuscitation is just few minutes. Medical personal & public awareness & training to use automatic external defibrillator & institute timely CPR key to reverse statistics.



REGISTRATION LIMITED TO FIRST 50 REQUESTS

(Registration to Basic & Advanced ECG Course must to participate in workshop)

Name : _____ Age : _____ Sex : _____.

Address: _____

Email : _____ . Phone no. _____

Fees : Consultants : Rs 2000 ; Student : Rs 500

Account Details : A/C Name : Conference Basic Advanced ECG Course

A/C No. : 6189000100049495, IFSC Code : PUNB0618900

For Registration Contact

Course Director

Dr Rohit Walia

Cardiac Electrophysiology Services, AIIMS Rishikesh

Mobile: +91 8800492549 , Email: pulseislife1@gmail.com

