

ACCELERATE
YOUR CAREER
GROWTH IN



Fellowship in
CLINICAL CARDIOLOGY



12 Months
Programme



Globally
Accredited



Placement
Assurance



Live Sessions by
Experienced Faculties

ABOUT MediCOLL

MediCOLL Learning online learning platform that encourages interaction and knowledge sharing among participants. Through discussion forums, live webinars, and virtual networking events, you can connect with fellow learners from around the world. This collaborative approach not only enhances your understanding of the subject matter but also provides opportunities for networking and building professional connections within the medical community.

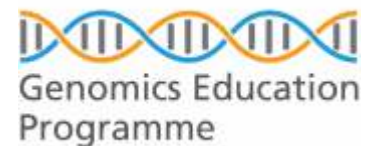


In today's fast-paced world, online learning platforms have revolutionized education, making it more accessible and flexible. Medicoll Learning is an innovative online learning platform that serves the needs of medical professionals, MBBS graduates and Non-MBBS graduates, who aspire to pursue specialized fellowship courses. With a commitment to deliver high-quality education, Medicoll Learning offers a wide range of fellowship programs designed to enhance the knowledge, skills, and career prospects of medical professionals. One of the key advantages of MediCOLL Learning is its online learning format. This allows you to access your fellowship courses from anywhere, at any time, and at your own pace. The platform provides a user-friendly interface with a variety of learning resources, including video lectures, interactive quizzes, and case studies.

MediCOLL Learning places a strong emphasis on delivering high-quality medical education. The organization collaborates with renowned medical experts and practitioners to develop and deliver cutting-edge educational programs. By leveraging the expertise of industry leaders, Medicoll Learning ensures that its educational offerings are up-to-date, evidence-based, and aligned with the latest advancements in medical science and practice. The organization recognizes the importance of interactive and engaging education, incorporating a variety of teaching modalities such as case-based learning, simulations, hands-on workshops, and virtual learning platforms. These methods foster active participation, critical thinking, and practical application of knowledge, ensuring that learners are well-prepared to address real-world challenges. These fellowships provide healthcare professionals with advanced clinical training, research opportunities, and mentorship, enabling them to excel in their chosen specialties. The comprehensive nature of these fellowships equips participants with the skills and knowledge required to become leaders in their fields.

THE PARTNERS

ACADEMICS



TRAINING



ACADEMIC PARTNER MANGALAYATAN UNIVERSITY

To be a leader in education, an institution must be founded on two basic principles: keeping the interest of students as its foremost priority and recognizing that knowledge is ever-growing, omnipresent and requires the opening of minds.

At Mangalayatan University, we take pride in these two qualities being at

the core of our existence. Mangalayatan (translated as the germinal bed of positive thought) aims to perpetuate a culture of hardwork, embracing change and preparing oneself for the fast progressing world with the latest skills and the highest level of social and personal values. Situated 20 km from the Yamuna Expressway in Uttar Pradesh, Mangalayatan University was founded in 2006 and has graduated over 7000+ students. Nearly 3500+ students from India and abroad are currently studying on campus.

Mangalayatan University vision is to give students from all kinds of background, a quality educational experience leading to legitimately rewarding career opportunities.



WHY CHOOSE US?



- ✔ Globally Accredited Curriculum
- ✔ Hassle free admission, delivery and assessment
- ✔ International Accreditations
- ✔ Highly Experienced Faculties
- ✔ Clinical observership with leading Hospitals
- ✔ Fast Career Growth
- ✔ Easy EMI options available

CLINICAL CARDIOLOGY

CLINICAL CARDIOLOGY IS THE BRANCH OF MEDICAL SCIENCE WHICH DEALS WITH THE IDENTIFICATION, TREATMENT, AND PREVENTION OF HEART DISORDERS AND OTHER CARDIOVASCULAR ILLNESSES (CVDS).

Our "Fellowship in Clinical cardiology" has been designed by Leading Cardiologists to cover the clinical features, identification, treatment, and prevention and its complications to help you treat the Cardiac Patients with competence and utmost confidence.



523 million people
suffer from
cardiovascular
disease world wide



60 Million Indian
people are vulnerable to
cardiovascular disease



4.77 million people died
every year from
cardiovascular disease in
india

India possesses one among the globe's greatest prevalence of cardiovascular disease (CVD). India is responsible for over 60% of the world's cardiovascular disease burden. Million of people dying yearly with severe cardiac diseases in india

COURSE HIGHLIGHTS



12 Months of
Programme



Live Sessions by
Eminent Faculties



Globally
Accredited



Flexible Learning
Mode

LEARNERS TESTIMONIAL



Dr. Santosh Kamble



Best learning platform that
keeps you updated with
latest clinical methods.



Dr. Maheeb Rehman



Wonderful opportunity for
Doctors who really want to
improve their skills with
knowledge



Dr. Aman Shaw



Excellent faculties & much
informative study material
with practical learning. I am
truly impressed

COURSE MODULES

MODULE-1

Basic Biology of CVS

- 🔗 Development of the Heart: Embryology
- 🔗 Anatomy of the Heart
- 🔗 Blood vessels of heart & Circulation
- 🔗 Physiology of the Heart

MODULE-2

History and PE of CVS

- 🔗 Physical examination in CVS
- 🔗 Cardiac Symptoms and Physical Signs
- 🔗 Approach to Presenting Complaints
- 🔗 Examination Techniques

MODULE-3

Diagnostic Tests in Cardiology

- 🔗 Imaging Techniques Used in Cardiology – Part 1: Chest x ray, Fluoroscopy
- 🔗 Diagnostic Tests in Cardiology- Introduction
- 🔗 Serum Analysis
- 🔗 The Electrocardiogram
- 🔗 Imaging Techniques Used in Cardiology – Part 2 CT
- 🔗 Imaging Techniques Used in Cardiology – Part 3 MRI
- 🔗 Echocardiography
- 🔗 Transesophageal echocardiography
- 🔗 Nuclear Perfusion Scan (Myocardial Scintigraphy)
- 🔗 Myocardial Biopsy

COURSE MODULES

MODULE-4

Pharmacology

- Anti-Arrhythmic Agents
- Beta-Blockers
- Calcium-Channel Blockers
- Potassium channel openers
- Nitrates
- Ivabradine, Ranolazine
- Drugs Targeting the Angiotensin Axis
- Diuretics (Aldosterone antagonists)
- Anticoagulants
- Antiplatelet agents
- Statins Lipid Lowering agents

MODULE-5

Interventional Therapies

- Pacemakers and Implantable Cardiac Defibrillators, Cardiac Resynchronisation Therapy
- Right Heart Catheterization
- Percutaneous Coronary Intervention
Coronary stenting, PTCA
- Valvuloplasty
- Transcatheter Aortic Valve Implantation
- Catheter Ablation of cardiac arrhythmias

MODULE-6

Disorders of Blood Pressure

- Normal and Abnormal Blood Pressure (BP) & Measuring Methods and Pitfalls
- Complications, Clinical Considerations & Emergencies
- The Treatment of HTN Nonpharmacologic Therapy & Pharmacological Therapy
- Secondary & Resistant Hypertension
- Hypertension in Pregnancy

COURSE MODULES

MODULE-7

Dyslipidemia

- Lipoproteins and Apolipoproteins, Metabolism
- Recommendations for measuring lipids and lipoproteins
- Treatment targets and goals. Nonpharmacologic (Lifestyle modifications & Dietary supplements) and Pharmacologic
- Treatment (Lipid-lowering therapy in patients undergoing percutaneous coronary intervention)
- Treatment in Specific Patient Populations (Familial dyslipidemias, Women and Older people)
- Diabetes and metabolic syndrome

MODULE-8

Disorders of Blood Vessels

- Diseases of the Aorta – Introduction
- Aortic Dissection and Aortic Rupture
- Aortic Aneurysm
- Aortitis
- Pulmonary Embolism (PE)
- Pulmonary Arterial Hypertension (PAH)

MODULE-9

Congenital Heart Disease

- Background, Pathophysiology
- Clinical Picture, work up & management, prognosis of CHD
- CHD and Pregnancy
- CHD and Physical Activity/ Sports
- Cyanotic heart disease
- Noncyanotic/ acyanotic heart disease

COURSE MODULES

MODULE-10

Valvular Heart Disease-RHD

- 🔊 Clinical Diagnosis and Work-Up of VHD
- 🔊 Treatment of VHD: General Principles
- 🔊 Rheumatic Heart Disease and Fever
- 🔊 Mitral Stenosis (MS)
- 🔊 Mitral Regurgitation (MR) Acute & Chronic MR, MVP
- 🔊 Aortic Stenosis (AS)
- 🔊 Aortic Insufficiency (AI) Acute, Chronic
- 🔊 Tricuspid Stenosis (TS)
- 🔊 Tricuspid Regurgitation (TR)
- 🔊 Pulmonic Stenosis & Pulmonary Insufficiency
- 🔊 Combined VHD
- 🔊 Prosthetic Valves Indications, management, Complications
- 🔊 Pregnancy and Delivery

MODULE-11

Coronary Artery Disease

- 🔊 Angina pectoris
- 🔊 Unstable angina
- 🔊 STEMI, NSTEMI
- 🔊 Genetics & CAD
- 🔊 Classification of Cardiovascular disorders – ACC, AHA, EAC

MODULE-12

Diseases of Heart Wall

- 🔊 Etiology of pericardial disease, Syndromes, types of pericarditis
- 🔊 Pericardial Effusion, Tamponade, constrictive pericarditis
- 🔊 Myocarditis
- 🔊 Cardiomyopathy
- 🔊 Cardiac amyloidosis, Fabry's disease, Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- 🔊 Infective endocarditis

COURSE MODULES

MODULE-13

Rhythm and Conduction Disorders

- Tachycardia
- Bradycardia
- Sinus node diseases
- Arrhythmia in special situations
- Cardiac Arrest and Sudden Cardiac Death (SCD)

MODULE-14

Heart Failure

- Causes and precipitants
- Forms, Signs & symptoms
- Investigations, Prevention, Management
- Device Therapy and Surgery

COURSE OUTCOMES

UPON COMPLETION OF THE PROGRAMME ONE SHOULD BE ABLE TO...

- 01** Treatment and prevention of cardiovascular disease
- 02** Fellows able to deal with cardiac patients and manage the common cardiological conditions of hypertension, stable ischemic heart disease, acute coronary syndromes, heart failure, and arrhythmias
- 03** Fellows can handle emergencies circumstances of cardiac complications
- 04** Diagnose and screen the cardiac problems with good care
- 05** Fellows will gain resuscitation skills including basic and advanced life support

COURSE FACUTLY



DR. SANJAY AGARWAL (MD, FACE, FACP)

Fellow of American College of Endocrinology
Director, Aegle Clinic - Diabetes Care
Head, Dept. of Medicine & Diabetes, Ruby Hall Clinic, Member,
Editorial Board, BMJ Open Diabetes Research & Care Journal
Associate Editor of International Journal of Diabetes
in Developing Countries (IJDDC)
Hon. Secretary, Governing Council, National RSSDI
Chairman, International Diabetes Expert Consortium(IDEC)



DR. ANJALI BHATT (D.ENDO, MSC (ENDO)

Consultant Diabetologist and Endocrinologist
(Clinician, Researcher, Academician, Activist)
Founder ENDOCLINIC, Pune

ADMISSION PROCESS



Eligibility

- MBBS/MD/PHARM-D
- Practicing Physicians
- MD and DNB residents
- Applicants who are in their final year can also apply



Steps to Apply



Registration

Fill the application form and submit relevant documents



Fee Payment

Proceed with the fee payment after submitting the application form



Get Started

Once the application form is received along with documents and course fee, we will provide the login details to access the course



- Course duration – 10 Months (online) + 2 Months (observership)
- There will be an extra charge for the extension of the course validity.



Enrollment no. FCC10916F



FELLOWSHIP IN CLINICAL CARDIOLOGY

This is to certify that

DR. NARESH CHAUHAN

has successfully completed the requirements prescribed under the regulations of award of 52 weeks programme in Clinical Cardiology including observership and is awarded with
FELLOWSHIP IN CLINICAL CARDIOLOGY in.....Year.....

This course is conducted by **MediCOLL** in association with **Mangalayatan University** and digital content from **eIntegrity** and **Royal College of General Practitioners, UK**

Academic Partners

Dr. Zahid

**Authorized Signatory
MediCOLL Learning**



Dr. Sanjay Agarwal

**Course Director
Dr. Sanjay Agarwal**

Terms and conditions apply

Refer to FAQs on our each course page

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