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**Col Arijit Kumar Ghosh,Retd**

**MD DM FACC FESC FSCAI FAPSIC FAPVS FICC**

**Professor and Head of Department**

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**Date of Birth-18 Sep 1968**

**Education**

* **DM (Cardiology)**, 2004-2007

Armed Forces Medical College /Pune University
Pune, Maharashtra, India

* **MD (Doctor of Medicine)**, 1995-1998

Armed Forces Medical College /Pune University
Pune, Maharashtra, India

* **MBBS (Bachelor of Medicine and Bachelor of Surgery)**, 1986-1990

Armed Forces Medical College/ Pune University
Pune, Maharashtra, India

**Awards**

* Silver Medal for standing First in Pharmacology in II MBBS Examination
* Young Scientist award in 2006 from CSI Pune
* Gold Medal for standing first in DM (Cardiology)

**Fellowships**

* Fellow of the American College of Cardiology (FACC) since 2011
* Fellow of the European Society of Cardiology (FESC) since 2012
* Fellow of the Society of Angiography and Interventions (FSCAI) since 2012
* Fellow of the Asia Pacific Society of Interventional Cardiology (FAPSIC) since 2014
* Fellow of the Indian College of Cardiology (FICC) since 2015
* Fellow of the Asia Pacific Vascular Society (FAPVS) since 2018

**Examiner**

* Pune University/Maharashtra University of Health Sciences (MUHS) Nashik DM Examiner in Cardiology
* DNB and Fellowship Exit Examination of NBE

**Appraisal of DNB Cardiology Students**

**Teaching Experience**

* Undergraduates- 26years
* Post Graduates- 23 years

**Medical licensure**

* Medical Council of India-Registration No 10086 dt 15 Feb 1992 and 11-9847 dt 14 Mar 2011

**Assessor ship**

* **Assessor of Medical Council of India/National Medical Council**
* **Assesor of National Board Examinations**
* **Assessor of Quality Control of India**
* NABH
* Safe-I
* ECHS empanelment

**Memberships and Associations**

* Cardiology Society of India
* Indian College of Cardiology
* Association of Physician in India
* Pediatric Cardiology Society of India
* Indian Society of Electrocardiography
* Indian Academy Echocardiography
* Indian Stroke Association
* CAHO

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**Hobbies & Interests**

* Adventure sports: Paragliding, partrooping free fall, para sailing, kayaking,
* Mountaineering: Scaled Nun Kun, Nanda Devi, Kedar dome
* Travelling: exploring new places and understanding the demographics and living lifestyles.

**Language Fluency**

* **English,**Hindi, Bengali and Marathi

**Employment History & Professional Experience**

* Since graduation joined the Armed Forces Medical services in 1991 and thereafter held various appointments as Medical Officer, Physician and Cardiologist and currently am Professor & HoD Cardiology at Base Hospital,Guwahati.
* I am actively involved in clinical, noninvasive (2D/3D TTE/TEE, stress testing/TMT/Echo et al) and perform all the invasive cardiology procedures available in India (which includes Angiography(including radial/ulnar), Angioplasty, Physiological and Precision imaging guided PCI (IVUS,OCT,FFR), Calcified lesions PCI(Rotablation and Lithotripsy), PCI of CHIP cases with IABP/Impella devices, PCI of CTOs, Structural Heart Disease interventions like valvuloplasty (PTMC,PAVBD,PPVBD,PTVBD), PTSMA and ASD/PDA device closures ,Device implantations like single chamber, dual chamber pacemakers/ICDS,CRT-P/CRT-D, Paediatric catheterization and interventions like valvuloplasty and device closures(ASD/VSD/PDA). I am also trained and certified to do Transcathether aortic valve implantation (TAVI).
* I have been actively involved in designing, planning and commissioning of three state of art cardiac catheterization laboratories of Armed Forces at Lucknow (2010), Pune (2012) and Jalandhar (2018)

**Work Experience**

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| **Period** | **Appointment & Place** | **Job description**  | **Remarks** |
| Jul 2023 to till date | Professor and Head of Department of Cardiology All India Institute of Medical Sciences,Nagpur |  |  |
| Jan 2022- Jul 2023 | Head of Department of Medicine and Cardiology Military Hospital Guwahati , Assam, India | **Administrative****Professional****Training** | **-600 bedded Multispeciality Hospital****-Planning and establishment of Cardiology Centre**  |
| Jul 2018- Dec2021 | Professor & HoD of Cardiology at Armed Forces Medical College / Army Institute of Cardio Thoracic Sciences (AICTS) Pune, Maharashtra, India | **Administrative****Professional****Training**  | **-600 bedded Tertiary care Cardiac Sciences Centre****-Planning, renovation and modernization of the cardiology block** |
| Nov 2015 - Jun 2018 | Head of Department of Medicine and Cardiology Military Hospital Jalandhar Cantt, Punjab, India | **Administrative****Professional****Training** | **-865 bedded Multi specialty hospital** **-Planning and commissioning of Cardiac catheterization laboratory** |
| Jul 2013 -Nov 2015 | Associate Professor of Cardiology Armed Forces Medical College and HoD Medical Division of Command Hospital (Southern Command), Pune, Maharashtra, India | **Administrative****Professional****Training** | **-1200 bedded Teaching Hospital**  |
| Sep 2010-Jul 2013 | Associate Professor of Cardiology Armed Forces Medical College /Military Hospital (Cardio Thoracic Centre), Pune, Maharashtra, India | **Administrative****Professional****Training** | **-600 bedded Tertiary care cardiac sciences centre****- Planning and commissioning of the second cardiac catheterization laboratory** |
| Sep 2007 -Jul 2010 | Associate Professor of Cardiology Command Hospital, Lucknow, Uttar Pradesh, India  | **Administrative****Professional****Training** | **-950 bedded Tertiary care centre****- Planning and commissioning of Cardiac catheterization laboratory** |

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| **Publications** |
| 1. Lal K, Singh N, Kumar A, Agarwal N, Datta R, Datta R, Bhardwaj P, Chadha DS, Ghosh AK, Kumar R. Association of ischemic electrocardiographic changes in high-altitude areas with coronary angiography. Medical Journal Armed Forces India. 2021 Aug 20.
 |
| 1. Misra P, Mukherjee B, Negi R, Marwah V, Ghosh AK, Jindamwar P, Singh MU, Vashum Y, Syamraj R, Sibin MK. DNA methylation and gene expression pattern of ACE2 and TMPRSS2 genes in saliva samples of patients with SARS-CoV-2 infection. medRxiv. 2020 Jan 1.
 |
| 1. Mishra SK, Pathak K, Swamy A, Jacob M, Shouche S, Ghosh AK. Monitored Anesthesia Care vs. General Anesthesia for Trans Catheter Aortic Valve Implantation (TAVI): Our Initial Experience. J Anesth Clin Res . 2019;10: 897.
 |
| 1. Pratibha Misra, Arijit Kumar Ghosh, Aneeta Jassar. Autopsy findings in an atypical case of occult massive fatal pulmonary embolism in a backdrop of hyperhomocysteinemia. Indian Journal of Pathology and Microbiology 2018; 61(1):116-119.
 |
| 1. Pratibha Misra, Aneeta Jassar, Arijit Kumar Ghosh. A 54‑year‑old male with diabetic nephropathy and suspected disseminated tuberculosis: Clinicopathologic correlation in a rare diagnosis. Indian Journal of Pathology and Microbiology. 2018; 61(3):383-388.
 |
| 1. Pratibha Misra, Arijit Kumar Ghosh. Serum Ceruloplasmin and Serum Adenosine Deaminase: Do They have a Role as a Noninvasive Diagnostic and follow Up Adjuncts in Malignant Solid Tumors? International Journal of contemporary medical research 2018; 5(2):B1-B3.
 |
| 1. Pratibha Misra, Arijit Kumar Ghosh. Ceruloplasmin and Adenosine Deaminase as serum biomarker in Rheumatoid Arthritis. International Journal of Scientific research 2018; 7(3):35-36
 |
| 1. Chadha DS, Hasija PK, Singh N, Ghosh AK, Malani SK. Endovascular management of giant coronary artery aneurysm. Medical Journal, Armed Forces India. 2015 Jul;71(Suppl 1):S242.
 |
| 1. Chadha DS, Singh N, Tewari AK, Kumar RS, Yadav KK, Naveen AJ, Bhartiya M, Gupta VK, Wagh A, Ghosh AK. Hyperperfusion syndrome after carotid artery stenting. Medical Journal, Armed Forces India. 2015 Jul;71(Suppl 1):S156.
 |
| 1. Singh N, Madan H, Arora YK, Dutta R, Sofat S, Bhardwaj P, Sharma R, Chadha DS, Ghosh AK, Sengupta S. Malplacement of endocardial pacemaker lead in the left ventricle. Medical Journal, Armed Forces India. 2014 Jan;70(1):76.
 |
| 1. Singh N, Langer V, Chadha DS, Ghosh AK, Sengupta S, Gupta R, Dugal JS. Percutaneous removal of transvenous pacemaker leads using an extraction device. Medical Journal, Armed Forces India. 2013 Jul;69(3):291.
 |
| 1. Jairam A, Kumar RS, Ghosh AK, Hasija PK, Singh JI, Mahapatra D, Bairaria AK. Delayed Kounis syndrome and acute renal failure after wasp sting. International journal of cardiology. 2010 Jan 7;138(1):e12-4.
 |
| 1. Kaur A, Falleiro JJ, Ghosh AK, Mani NS. Pulmonary carcinosarcoma masquerading as a cryptic disseminated malignancy. Indian Journal of Pathology and Microbiology. 2009 Oct 1;52(4):517.
 |
| 1. Bharadwaj P, Banerji A, Datta R, Singh H, Ghosh AK, Keshavamurthy G. Dual Transcatheter Intervention in Ventricular Septal Defect and Pulmonary Valvular Stenosis. Medical Journal, Armed Forces India. 2008 Apr;64(2):195.
 |
| 1. Bharadwaj P, Banerji A, Datta R, Singh H, Ghosh AK, Keshavamurthy G. Percutaneous closure of perimembranous ventricular septal defect with amplatzer device. Medical Journal Armed Forces India. 2008 Apr 1;64(2):131-5.
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**Research work:**

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| **Title** | **Funding agency** | **Status** |
| Transesophageal Echocardiographic evaluation of patients with cryptogenic stroke | AFMRC/DRDO funded project (2007-2010) | Completed  |
| Role of contrast echocardiography in asymptomatic ECG abnormality  | AFMRC/DRDO funded project (2008-2011) | Completed |
| Metabolic Syndrome in Armed Forces with special reference to Obese Type 2 Diabetics and NonDiabetics. | AFMRC/DRDO funded project (2011-2013) | Completed |
| Serum Iron studies in patients of Chronic Heart Failure | Armed Forces (2019-2020) | Completed |
| Association of p15 promoter methylation with Coronary Artery Disease (CAD): A pilot study | MUHS 2020-2021 | Ongoing  |
| Analysis of plasma lipidome by LCMS in Acute MI patients: A pilot study | AFMRC/DRDO funded project (2021) | Ongoing |
| Digoxin in Rheumatic Heart Disease- A multi centric Trial | ICMR (2021-2022) | Submitted  |
| Clinical and functional outcome of FFR guided management of triple vessel diseaseEvaluation of FFR guided strategy in patients with TVD for surgical revascularisation | AFMRC/DRDO (2021) | Submitted |
| To evaluate effect of yoga based Cardiac Rehabilitation in patients with Coronary Artery Disease | Armed Forces (2021)  | Submitted |