

Institute of Cardiovascular Sciences Cardiac Anaesthesiology

This department of Cardiac Anaesthesiology started its journey in the year 2011 as per G.O. No.H/MA(MES)/495/ME/MISC-15-2011 dated 11th February 2011. Post-Doctoral course of DM (Cardiac Anaesthesiology) has been introduced under West Bengal University of Health Sciences with intake of 02 Post Doctoral Trainees per year from August 2011. This course is offered only in a very few institutions in India at present. This Department was the 3rd one in India (after AIIMS, New Delhi and Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram and the 1st one in Eastern India to start an independent Department as well as conducting the DM course in Cardiac Anaesthesiology.

The Department started with the following staff:

- Professor and Head: Dr. Anupam Goswami
- Associate Professor: Dr. Chaitali Sen
- Assistant Professor: Dr. Kakali Ghosh
- RMO cum Clinical Tutor: Vacant

Posts increased as per order number HF/O/MERT/64/ME/PG-31-13 dated 17th/01/2014 were:

- Professor: One
- Associate Professor: One
- Assistant Professor: One
- RMO cum Clinical Tutor: Two

FACULTY

Dr. Chaitali Sen (Dasgupta), MD (AIIMS), DNB, DM (AIIMS), MNAMS	Professor & Head
Dr. Kakali Ghosh MD, DM (WBUHS), FIACTA	Assistant Professor
Dr. Sandeep Kumar Kar, MD	Assistant Professor
Dr. Asit Munsji, DA	Medical Officer

Posts vacant

- Professor: One
- Associate Professor: Two
- RMO cum Clinical Tutor: Three

DM in Cardiac Anaesthesia

The Postgraduate Medical Education Committee considered the Assessment Report (June, 2014) and decided to recommend that DM (Cardiac Anaesthesiology) qualification granted by West Bengal University of Health Sciences, Kolkata in respect of students being trained at Institute of Postgraduate Medical Education & Research, Kolkata, West Bengal be **RECOGNISED for 02 (Two) DM (CARDIAC ANAESTHESIOLOGY)** seats and included in the 1st Schedule to the I.M.C. Act, 1956 as per declaration no, **No.MCI-4 (3) /2014-Med./MEDICAL COUNCIL OF INDIA, POSTGRADUATE MEDICAL EDUCATION COMMITTEE** (meeting held on 10/10/2014)

Till now 6 candidates have passed DM in Cardiac Anaesthesiology in MCI recognized seats.

In August 2014

- Dr. Kakali Ghosh (now working as Assistant Professor in this Department)
- Dr. Monalisa Datta

In August 2015

- Dr. Jyoti Ranjan Parida
- Dr. Somnath Dey (now working in WBHS)

In August 2016

- Dr. Anusuya Banerjee
- Dr. Deepanwita Das

Current post-doctoral trainees (DM Cardiac Anaesthesiology)

- Dr. Tanmoy Ganguly, MD, Second year DM Post Doctoral Trainee

- Dr. Soumi Das, MD, Second year DM Post Doctoral Trainee
- Dr. Harneet Singh Khurana MD, First year DM Post Doctoral Trainee
- Dr. Sushmit Kamat, DA, DNB, First year DM Post Doctoral Trainee
- Dr Neeta Basak, MD, First year DM Post Doctoral Trainee

One seat vacant in current session

Achievement of faculty postdoctoral trainees

1. Dr Chaitali Sen achieved MNAMS from National Board of Examinations.
2. Dr Kakali Ghosh passed the FIACTA Examination after her DM examination. She also successfully completed her 15 days observership in Narayana Hudalaya Hospital, Bengaluru.
3. Dr Monalisa Datta was selected for one month IACTA Travelling Grant Fellowship within India and she successfully completed observership in Narayana Hrudalaya Hospital, Bengaluru.
4. Dr Jyotiranjnan Parida successfully completed his 15 days observership in Narayana Hudalaya Hospital, Bengaluru.
5. Dr Somnath Dey successfully completed his 30 days observership in PGI, Chandigarh.
6. Dr Anusuya Banerjee and Dr Dipanwita Das successfully completed their 15 days Observership in AIIMS, New Delhi.
7. Dr Soumi Das successfully completed 30 days Observership in Sree Chitra Tirunal Institute for Medical Sciences and Technology
8. Dr Kakali Ghosh, Dr Monalisa Datta, Dr Jyotiranjnan Parida, Dr Somnath Dey, Dr Anusuya Banerjee, Dr Dipanwita Das, Dr Tanmoy Ganguly, Dr Soumi Das, Dr Harneet Singh Khurana and Dr Sushmit Kamat have successfully completed their seven days hands on training and workshop on Trans-Esophageal Echocardiography in Narayana Hudalaya Hospital, Bengaluru.
9. Dr Kakali Ghosh, Dr Monalisa Datta, Dr Jyotiranjnan Parida, Dr Somnath Dey, Dr Anusuya Banerjee, Dr Dipanwita Das, Dr Tanmoy Ganguly, Dr Soumi Das, Dr Harneet Singh Khurana and Dr Sushmit Kamat have successfully completed their two months training and workshop on Trans-Thoracic Echocardiography in Cardiology Department in I.P.G.M.E &R, Kolkata.

ACADEMIC ACTIVITIES

The teachers participate in:

1. Teaching in regular classes, examinations for assessment and hands-on training for DM (Cardiac Anaesthesiology) and MD (Anaesthesiology) students.
2. CME programs organized by INDIAN SOCIETY OF ANAESTHESIOLOGISTS, and INDIAN ASSOCIATION OF CARDIOVASCULAR THORACIC ANAESTHESIOLOGISTS, both in National and State level.
3. Various conferences at State, Zonal, National, and International level.
4. Paper presentations at various conferences as presentor or as Judge.
5. Delivery of lectures ,orations and panel discussions in conferences at the State, Zonal, and National and International level.
6. Delivery of lectures at post graduate assembly attended by PG students from various medical colleges.
7. Post Graduate Trainees in Anaesthesiology are sent to this Dept. Not only from Department of Anaesthesiology, IPGMER but also from other institutions like VIMS, Sambhunath Pandit Hospital, Burdwan Medical College, Bankura Medical College, North Bengal Medical College, Kisangaung Medical College, ESI Hospital, Sealdah, KPC Medical College, Command Hospital and Tripura Medical College for hands-on training in Cardiac Anaesthesiology.
8. CTVAC for EPGGs (Cardiothoracic and Vascular Anaesthesiology Classes for Post Graduate Students) for MD Anaesthesiology students are being held for last five years by this Department.
9. The teachers also teach the PERFUSIONIST students according their schedule.

The post doctoral students participate in:

1. Regular classes, examinations for assessment and hands-on training for DM (Cardiac Anaesthesiology) and MD (Anaesthesiology) students.

2. CME programs organized by INDIAN SOCIETY OF ANAESTHESIOLOGISTS, and INDIAN SOCIETY OF CARDIOTHORACIC ANAESTHESIOLOGY, both in National and State level.
3. Various conferences at State, Zonal, National, and International level.
4. Paper presentations at various conferences.
5. They are encouraged for one moth FELLOWSHIP in any Premier Institute in INDIA.
6. They are encouraged to participate in seven days Hands on Training and Workshop in NARAYANA HRUDALAYA, BENGALURU under guidance of Eminent National and International Faculties of Cardiac Anaesthesiology in First Year.
7. They are posted in Cardiology Department of IPGMER to have Hands on Training in Transthoracic Echocardiography for two months (One month in First year and one month in Third Year).
8. They are encouraged for publication of Research Articles, Case Reports, Review Articles in Different Journal of National and International repute.

FACULTY NEWS

Dr. Chaitali Sen (Dasgupta)

- Professor & Head of the Department
- Guide or Co- guide of 6 (six) DM (Cardiac Anesthesiology) students and 4 (four) MD (Anaesthesiology) students.
- Active participation in classes for DM Post Doctoral Trainees and MD Anaesthesiology students.
- Faculty in ACTA WB Annual conference held in May 2015 and 2016
- Course Coordinator of CTVAC 2015-2016
- Served as Scientific Secretary of Indian Society of Anaesthesiologists West Bengal Branch
- Served as Scientific Secretary of Association of Cardio Thoracic Anaesthesiologists, West Bengal
- Vice President of Association of Cardio Thoracic Anaesthesiologists, West Bengal
- Examiner for DM Cardiac Anaesthesiology under West Bengal University of Health Sciences in 2016

Dr. Kakali Ghosh

- Co -Guide of two Postgraduate Trainees in MD Anesthesiology.
- Active participation in classes for DM Post Doctoral Trainees and MD Anaesthesiology students

Dr. Sandeep Kumar Kar

- Co Guide of two Postgraduate Trainees in MD Anaesthesia
- Active participation in classes for DM Post Doctoral Trainees and MD Anaesthesiology students.
- Editor of insights of blood pressure
- Editor of journal of neurosurgery Imed pub indexed in scopus
- Editor of interventional Cardiology
- Editor in Chief Journal of Heart Care: Lawrence Press U.S.A.
- Editorial Board of International Archives of Medicine indexed in scopus
- Editor Translational Biomedicine indexed in scopus
- Editorial Board Member Biotechnology & Biomaterials.
- Editorial Board Member of International Journal of Neurorehabilitation.
- Editorial Board Member of Journal of Cardiovascular Diseases & Diagnosis.
- Editorial Board Member Applied Pharmacy
- Editorial Board Member of The Journal of Middle East and North Africa Sciences.
- Editorial Board Member of HSOA Journal of Cardiology & Neurocardiovascular Diseases.
- Editor in Chief International Journal of Healthcare and Medical Sciences.
- Editorial Board Member of Drug Designing.
- Editorial Board member of Epilepsy Journal.
- Editorial Board Member Bioequivalence & Bioavailability.
- Editorial board member. Affiliation: Bioanalysis and Biomedicine
- Editorial Board Member of the Prestigious Clinical and Experimental Cardiology.
- Editorial Board Member of American Research Journal of Cardiovascular Diseases.
- Associate Editor Journal of Anesthesia & Critical Care

Publications from the Department from November 30, 2015 to November 30, 2016

1. Prashant Kumar, Achyut Sarkar, Sandeep Kumar Kar: Vanishing left Ventricular Thrombus in a Young Primiparous Woman. A Case Study. British Journal of Pharmaceutical and Medical Research Vol.01, Issue03, Pg.285-288, November-December 2016.
2. Sandeep Kumar Kar: Refractory Angina: The Magnitude of the Problem, Ayurvedic Approach and Emerging Novel Therapies: A Holistic Approach. Journal of Clinical and Experimental Cardiology 09/2016; Volume 7(issue 9). DOI:10.4172/2155-9880.1000e146
3. Sandeep Kumar Kar, Tanmoy Ganguly, Swarnali Dasgupta: Variability of Presentation and Surgical Approach in Patients with Congenital Cystic Adenomatoid Malformation: Report of Two Cases. Journal of Bioanalysis and Biomedicine 05/2016; volume 8(issue 3). DOI:10.4172/1948-593X.1000150
4. Sandeep Kumar Kar, Dipanwita Das, Chaitali Sen Dasgupta: Post Balloon Stent Right Coronary Artery Aneurysm: Cardiologist's Nightmare.
5. Sandeep Kumar Kar: Post-operative Delirium after Cardiac Surgery: Can it be Prevented? Editorial. Journal of Epilepsy 04/2016; 2(2). DOI:10.4172/elj.1000e007
6. Sandeep Kumar Kar: Atrial Fibrillation: Paradigm Shift in Concept Leading to Change in Treatment Strategies in the Developing World.
7. Sandeep Kumar Kar: The Human Microbiome Concept of Disease Prevention and Treatment: A Giant Leap in Medical Genetics.
8. Sandeep Kumar Kar, Deepanwita Das, Chaitali Sen Dasgupta: Complication of Coronary Angioplasty; leading to Surgical Emergency: A Case Report. International Cardiovascular Research Journal 03/2016; Volume 5(issue 2). DOI:10.4172/2324-8602.1000260
9. Sandeep Kumar Kar: Social Conditions and Compromises done by Anesthesiologists in India.. Diversity and Equality in Health and Care 03/2016; Volume 13(Issue 2).
10. Sandeep Kumar Kar: Challenges of Percutaneous Balloon Mitral Valvuloplasty in Paediatric Patients with Mitral Stenosis: A Case Report. Translational Biomedicine 02/2016; Volume 7(1). DOI:10.21767/2172-0479.100042
11. Sandeep Kumar Kar, Dipanwita Das, Chaitali Sen Dasgupta: Cardiovascular 2016 Cardiovascular Medicine Dislodgement of coronary stent-balloon catheter before deployment during percutaneous coronary angioplasty.
12. Sandeep Kumar Kar, Tanmoy Ganguly, Swarnali Dasgupta, Manasij Mitra, Riju Bhattacharya: Pericardial Cyst: A Review of Historical Perspective and Current Concept of Diagnosis and Management. Interventional Cardiology 12/2015; Volume 1(issue 8).
13. Sandeep Kumar Kar, Deepanwita Das, Chaitali Sen Dasgupta: Recurrent Fibrosarcoma Protuberans of Anterior Chest and Abdominal Wall. A Rare Case Report. Archives of Medicine 12/2015; Volume 8(issue 1).
14. Sandeep Kumar Kar, Tanmoy Ganguly, Chaitali Sen Dasgupta, Anupam Goswami: Preoperative Anxiety in Pediatric Population: Anesthesiologist's Nightmare. Translational Biomedicine 12/2015; VOL 6(no 4). DOI:10.21767/2172-0479.100030
15. Sandeep Kumar Kar: Translational Biomedicine: The Future of Modern Internal Medicine. Translational Biomedicine 12/2015; Volume 6(NO 4). DOI:10.21767/2172-0479.100036
16. Deepanwita Das, Chaitali Sen, Anupam Goswami; Effect of Vitamin C on adrenal suppression by etomidate induction in patients undergoing cardiac surgery: A randomized controlled trial, Annals of Cardiac Anaesthesia 2016: 19 ; 3.

SERVICE INFORMATION

Number of procedures done by this department in different operating rooms

Month	Elective Surgery				Emergency Surgery	Cath Lab	OPD Cases	Total
	Cardiac Surgery With CPB	Cardiac Surgery Without CPB	Thoracic Surgery	Other Surgeries				
January	39	16	10	12	05	08	07	97
February	43	11	04	15	06	12	03	94
March	36	25	10	08	08	05	10	102
April	37	20	10	06	03	07	02	85
May	32	27	02	18	08	11	02	100
June	37	24	09	04	11	10	05	100
July	41	14	10	07	06	09	08	97
August	40	22	10	13	10	11	10	116
September	40	24	09	03	05	11	07	99
October	25	12	06	13	09	03	03	71
Total cases from January 2016 to October 2016								961

Apart from routine Anaesthesia works in CTVS OT, the Department

- Runs PAC Clinic 3 days in a week: Monday & Wednesday: 2PM to 4PM , Friday: 12 Noon to 4 PM
 - Administers Anaesthesia to Sishu Sathi Patients for Cath Lab procedures regularly
 - Administers Anaesthesia to adult patients for Cath Lab procedures as & when required.
 - Takes care of patients in CTVS Recovery.
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