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. DM (Cardiac Anaesthesiology) has been introduced under West Bengal University of Health Sciences with intake of 2 Post Doctoral Trainees per year. This course is offered only in a very few institutions in India at present.

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
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<tbody>
<tr>
<td>Dr. Anupam Goswami, Dip Card, MD</td>
<td>Professor &amp; Head</td>
</tr>
<tr>
<td>Dr. Chaitali Sen (Dasgupta), MD (AIIMS), DNB, DM (AIIMS), MNAMS</td>
<td>Professor</td>
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<tr>
<td>Dr. Kakali Ghosh MD, DM (WBHS), FIAC TA</td>
<td>Assistant Professor</td>
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<tr>
<td>Dr. Sandeep Kumar Kar, MD</td>
<td>Assistant Professor</td>
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<tr>
<td>Dr. Asit Munsi, DA</td>
<td>Medical Officer</td>
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Posts vacant
- 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 four 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)

Current post-doctoral trainees (DM Cardiac Anaesthesiology)
- Dr. Anusuya Banerjee, MD, Third year DM Post Doctoral Trainee
- Dr. Dipanwita Das, MD, Third year DM Post Doctoral Trainee
- 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
Achievement of postdoctoral trainees:

1. Dr Kakali Ghosh passed the FIACTA Examination after her DM examination. She also successfully completed her 15 days Observership in Narayana Hudalaya Hospital, Bengaluru.

2. Dr Monalisa Datta was selected for One month IACTA Travelling Grant Fellowship within India and she successfully completed Observership in Narayana Hrudalaya Hospital, Bengaluru.

3. Dr Jyotiranjan Parida successfully completed his 15 days Observership in Narayana Hudalaya Hospital, Bengaluru.

4. Dr Somnath Dey successfully completed his 30 days Observership in PGI, Chandigarh.

5. Dr Anusuya Banerjee and Dr Dipanwita Das successfully completed their 15 days Observership in AIIMS, New Delhi.

6. Dr Kakali Ghosh, Dr Monalisa Datta, Dr Jyotiranjan Parida, Dr Somnath Dey, Dr Anusuya Banerjee, Dr Dipanwita Das, Dr Tamoy Ganguly and Dr Soumi Das successfully completed their 7 days hands on training and workshop on transesophageal echocardiography in Narayana Hudalaya Hospital, Bengaluru.

ACADEMIC ACTIVITIES

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 month 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 IPGIMER 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.

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 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 as presenter or as Judge.

5. Delivery of lectures and 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, IPGIMER but also from other institutions like VIMS, Sambhunath Pandit Hospital, Burdwan Medical College, Bankura Medical College, North Bengal Medical College, Kisangaunge Medical College, ESI Hospital, Sealdah, KPC Medical College, Command Hospital and Tripura Medical College for hands-on training in Cardiac Anaesthesiology.

8. CTVAC for EGP (Cardiothoracic and Vascular Anaesthesiology Classes for Post Graduate Students) for MD Anaesthesiology students are being held for last four year by this Department.

9. The teachers also teach the PERFUSIONIST students according their schedule.

FACULTY NEWS
Prof. Anupam Goswami

- Guide or co guide of 6 (six) DM (Cardiac Anesthesiology) students and 4 (four) MD (Anaesthesiology) students.
- ACTA WB Annual conference held in May 2015
- Invited Speaker in ISACON 2014 held in DEC 2014 at Madurai on "Perioperative Arrhythmias.
- Invited speaker NEZACON 2014 held in Agartala Tripura OCT 2014 on Non cardiac surgery in cardiac patients.
- Immediate Past President West Bengal Association of Cardiothoracic and Vascular Anaesthesiologists.
- Course Coordinator of CTVAC 2014
- Examiner MD (Anaesthesiology) in Datta Megha Institute of Medical Sciences Wardha (Maharastra)
- Examiner MD (Anesthesiology), MGM Medical College Kisanganj
- Chairperson at ISAZAC 2015
- Chairperson at International conference on imaging in critical care organised by ISCCM (Indian Society of Critical Care Medicine).
- Examiner of DM Cardiac Anaesthesiology Examination in WBUHS

Publications

- Anusua Banerjee, Sandeep Kumar Kar, Chaitali Sen Dasgupta, Anupam Goswami: Renal Cell Carcinoma Extending through Inferior Vena Cava into Right Atrium Removed with Cardiopulmonary Bypass Support. Archives of Medicine 08/2015; VOL 7(VOLUME 3:2):1-
- Sandeep Kumar Kar, Chaitali Sen Dasgupta, Anupam Goswami: Amiodarone In Rheumatic Valve Disease Undergoing Valve replacement. 1ST 01/2015; Lambert Academic Publishing.

Dr. Chaitali Sen (Dasgupta)

- Promoted to Professor on 09.12.2014
- Served as Scientific Secretary of Indian Society of Anaesthesiologists West Bengal Branch
- Served as Scientific Secretary of Association of Cardio Thoracic Anaesthesiologists, West Bengal
- Guide or co guide of 6 (six) DM (Cardiac Anesthesiology) students and 4 (four) MD (Anaesthesiology) students
- Chairperson, Scientific Committee of 36th Annual Conference of Indian Society of Anaesthesiologists of West Bengal and 25th Eastern Zonal Conference of Indian Society of Anaesthesiologists in November 2015
- Course Coordinator of CTVAC, December 2014
- Guest lecturter in WB ACTA Annual conference held in Kolkata, May, 2015 Delivered Lecture on "Aortic Aneurysm"
- Judge of Research papers in International Conference of Regional Anaesthesia (Kolkata, August, 2015)
- Guest lecturer in 36th Annual Conference of Indian Society of Anaesthesiologists of West Bengal and 25th Eastern Zonal Conference of Indian Society of Anaesthesiologists (Delivered lecture on CPR Guidelines 2015)
- Guest lecturer in CTVAC 2014
- Active participation in classes for DM Post Doctoral Trainees and MD Anaesthesiology students.
- Examiner for DM Cardiac Anaesthesiology WBUHS in 2015

Publications
• Sandeep Kumar Kar, Tanmoy Ganguly, Chaitali Sen Dasgupta, Anupam Goswami: Comparison of Low Ventilation, No Ventilation and Continuous Positive Pressure Ventilation as Pulmonary Protection Strategy During Cardiopulmonary Bypass. Archives of Medicine 04/2015; Volume 7(1:2).

Dr. Kakali Ghosh
- Attended IACTA 2015 Conference at JAIPUR
- Participated as Faculty in Panel discussion in ISAZAC 2015 at Kolkata
- Co Guide of two Postgraduate Trainees in MD Anaesthesia

Publications
- Kakali Ghosh, Chaitali Sen Dasgupta, Subhendu Mahapatra, Our experience of intraoperative autologous blood donation in patients undergoing elective valve surgery, Indian J Thorac Cardiovasc Surg Received: 12 August 2014 / Revised: 7 October 2014 / Accepted: 5 January 2015
- Case Report in Medical Glory (Journal of West Bengal Medical Council) Persistent Left Superior Venacava draining into superior aspect of left atrium in a case of Ostium Secundum Atrial Septal Defect. Page 78-80

Dr. Sandeep Kumar Kar
- Co Guide of two Postgraduate Trainees in MD Anaesthesia
- Participated as Faculty in ISAZAC 2015, Kolkata in Panel Discussion
- 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
- Associate Editor Journal of Anaesthesia & Critical Care

Publications
- Sandeep Kumar Kar, Chaitali SenDasgupta, Anupam Goswami: Amiodarone In Rheumatic Valve Disease Undergoing Valve replacement. 1ST 01/2015; Lambert Academic Publishing.

**SERVICE INFORMATION**

Number of procedures done by this department in different operating rooms

<table>
<thead>
<tr>
<th>Number of cases Cardiac</th>
<th>511</th>
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<tbody>
<tr>
<td>Number of cases Non-cardiac</td>
<td>406</td>
</tr>
<tr>
<td>Number of Cath lab cases</td>
<td>73</td>
</tr>
<tr>
<td>Number of Sishu Sathi Cardiac Cases</td>
<td>120</td>
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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 Catheterisation Lab procedures as & when required.
- Takes care of patients in CTVS Recovery.
- Actively helps the Department of CTVS and undertakes anaesthetic procedures in complex congenital cardiac surgery done under Sishu Sathi Scheme.