



**Government of West Bengal**  
**Institute of Postgraduate Medical Education & Research**  
**Centre of Excellence in Medical Education & Research**

**Institute of Cardiovascular Sciences**  
**Cardiothoracic and Vascular Surgery**

**FACULTY & MEDICAL OFFICERS**

Dr. Ashis Mandal	MS, MCh, FIACS	Professor & HOD
Dr. Santanu Dutta	MS, MCh, FIACS, PhD	Professor
Dr. Subhendu Sekhar Mahapatra	DTCD, MS, MCh	Professor
Dr. Dipayan Ghosh	DNB, MCh	Associate Professor
Dr. Jayita Chakrabarti	MS, MCh	Assistant Professor
Dr. Silpa Basu Roy	MS, MCh	Assistant Professor
Dr. Sanjit Mondal	DNB, MCh	RMO cum Clinical Tutor
Dr. Soumyadip Saha	MS, MCh	RMO cum Clinical Tutor

**Senior Residents**

Dr. Chaina Paul	MS, MCh
Dr. Nilakash Bhattacharya	MS, MCh
Dr. Rahul Bose	MS, MCh

**Medical Officers**

Dr. Rita Neogi

**Postdoctoral Trainees**

2019-2022	2020-2023	2021-2024
Dr. Priya Darshan Konar Dr. Ronmita Paul	Dr. Riddhika Majumder Dr. Sourav Paik Dr. Shaikh Wasim Rana Dr. Debasis Ghosh	Not yet admitted

**MCh Degree Recipient in 2021**

Dr. Rahul Bose

**FACULTY NEWS**

**Prof. Ansuman Mondal**

- Attended National Conference in Ahmedabad (IACTSCON), 6<sup>th</sup> -9<sup>th</sup> February 2020.
- Attended Scientific Meet of ATCVS-WB, 2020.
- Initiation and starting of BSc in Perfusion Technology course in this academic session.
- Initiation and starting of BSc in Physician Assistant course in this academic session.

**Prof. Santanu Dutta**

- Attended National Conference in Ahmedabad (IACTSCON), 6<sup>th</sup> -9<sup>th</sup> February 2020.
- Attended Scientific Meet of ATCVS-WB, 2020

**Publications**

1. Congenital heart disease in the pediatric population in eastern India: a descriptive study. Indian Pediatrics

2. Efficacy of oral Tadalafil in preoperative management of adult ostium secundum atrial septal defect complicated with pulmonary arterial hypertension. Indian Journal of Applied Research.
3. Mediastinal tumors: a clinic-pathological study with special reference to immunohistochemistry. June 2020, IOSR, Journal of dental and medical sciences
4. Depression and Coronary Artery Disease, Aug 2020 in International Journal of Scientific Research
5. Study of the patient presenting with cardiac myxoma at a tertiary care hospital in Eastern India: International Journal of Contemporary medical Research, vol 8, , issue 1, 2021
6. Phase IV post marketing surveillance study shows continued efficacy and safety of Stempeicel in patient with critical limb ischaemia due to Buerger's disease: Stem Cell Translational Medicine

#### **Prof. Subhendu Sekhar Mahapatra**

- One of the main surgeons in first heart transplant surgery in IPGMER,SSKM Hospital, done on 3rd July, 2019 and first heart transplant in a post valve surgery recipient in eastern India, done on 5th Nov, 2019.
- Attended National Conference in Ahmedabad (IACTSCON), 6th -9th February 2020.
- Organizing Secretary- Annual Scientific Meet of ATCVS-WB,2020
- Consultant Vascular Surgeon in Renal Transplant Program, SSKM Hospital

#### Publications

1. Effect of off pump coronary artery bypass surgery on C-reactive protein level. Original article, sent for publication to Journal of Cardiovascular Medicine and Surgery.(ref.no; JCMS\_11059\_2019).
2. Relationship of Off pump coronary artery bypass surgery with the cardiac enzyme Troponin T. Original article, sent for publication to Journal of Evolution of Medical and Dental Sciences.(ref.no; JEMDS-17772).
3. Bloodless Cardiac Surgery- Comparison of Outcomes between Two Groups in Post Cardiac Surgery Patients with and without Blood Transfusions: J. Evolution Med. Dent. Sci. Vol. 9/ Issue 14/ Apr. 06, 2020
4. Phase IV post marketing surveillance study shows continued efficacy and safety of Stempeicel in patient with critical limb ischemia due to Buerger's disease: Stem Cell Translational Medicine

#### Research

- Prospective, multicentric, randomized, open label, two arm, parallel group, comparative dose escalation clinical study to evaluate the safety and efficacy of R-HSC-002 (autologous bone marrow derived MSCs) and R-HSC-003 (allogeneic umbilical cord derived MSCs) dosage as an adjunct cell-based therapy in treatment of patients with Ischemic Limb Disease.

#### **Dr. Dipayan Ghosh**

- Attended National Conference in Ahmedabad (IACTSCON), 6th -9th February 2020.
- Attended Scientific Meet of ATCVS-WB, 2020

#### **Dr. Jayita Chakrabarti**

- Examiner for DPFT program

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2. Relationship of Off pump coronary artery bypass surgery with the cardiac enzyme Troponin T. Original article, sent for publication to Journal of Evolution of Medical and Dental Sciences.(ref.no; JEMDS-17772).

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#### **Dr. Shilpa Basu Roy**

- Attended National Conference in Ahmedabad (IACTSCON), 6th -9th February 2020.
- Attended Scientific Meet of ATCVS-WB, 2020
- Presented a paper on the topic: Prevalence and management outcomes of cardiac myxoma in a tertiary care hospital in eastern India at IMA national conference, 2020
- Vascular Surgeon in Renal Transplant Program, SSKM Hospital
- Successfully completed basic course in Biomedical Research conducted by ICMR in Sept 2021.
- Successfully completed the Revised Basic Course Workshop in Medical Education Technology under the aegis of National Medical Commission at IPGMER.

#### Publications

1. Management strategies of Pulmonary Hydatid cyst : A prospective observational study: International Journal of Contemporary medical research, July 2020
2. A study on the effect of Metformin Versus Myoinositol in the management of PCOS: A randomized controlled trial: Journal of Indian Medical association
3. Maternal and fetal outcome in women of 20-25 year age group and above 35 years age group in a tertial care hospital in

eastern India: a prospective comparative observational study, International Journal of Contemporary medical research, August 2020

4. A study of the patients presenting with cardiac myxoma in a tertiary care hospital in eastern india, International Journal of Contemporary medical research, December 2020

#### Research

- Acting as co-principal investigator of the project- "Prevalence of diabetes mellitus and thyroid dysfunction in pregnancy in a tertiary care centre of West Bengal" at IPGMER and SSKM Hospital under Dept of Science and Biotechnology, Govt of West Bengal

#### ACADEMIC ACTIVITY

- Cardiothoracic and Vascular Surgery Seminar (Saturdays, 1pm onwards, every week) Operative Meetings (Saturdays, 12 noon to 1pm, every week)
- Journal Club (Thursday, 5pm onwards, every week)
- Monthly Audit and Death Statistical Review (4th Saturday, every month) Clinical meeting arranged in IPGMER, CTVS (every 2 months)

#### RESEARCH ACTIVITY

##### Postdoctoral Trainees' Thesis Topics

1. Dr. Priyadarshan Konar - Comparison of early outcome between the minimally invasive mitral valve surgery through right thoracotomy and the conventional mitral valve surgery through sternotomy
2. Dr. Ronmita Pal - A prospective study on coronary endarterectomy in coronary artery bypass graft
3. Dr Riddhika Majumdar - A comparative study of outcomes in complete VS supracomplete territorial grafting
4. Dr. Sourabh Paik - A prospective study on concomitant tricuspid valve repair with mitral valve repair.
5. Dr Debasis Ghosh - Study on etiopathology of mitral valve diseases and its involvement of mitral valve apparatus during mitral valve surgery.
6. Dr. Wasim Rana - A comparative study on initial proximal VS distal anastomosis in CABG.

#### SERVICE INFORMATION

<b>Cardiothoracic and Vascular Surgery OPD</b> Monday Dr. Jayita Chakrabarti Tuesday Prof. Santanu Dutta Wednesday Dr. Dipayan Ghosh Thursday Prof. Ansuman Mandal Friday Prof. S . S. Mahapatra Saturday Dr. Shilpa Basu Roy	<b>Additional OPDs</b> <ul style="list-style-type: none"> <li>• Transplant OPD – Monday</li> <li>• Pediatric cardiac surgery OPD – Friday</li> </ul>
<b>Elective and Emergency Adult Cardiac Surgery OT</b> OT 1 and 2 – Monday to Friday	<b>Elective and Emergency Pediatric (Sishu Sathi) Cardiac Surgery OT</b> OT 4 – Monday to Friday
<b>Elective and Emergency Thoracic, Vascular and VATS (Video Assisted Thoracic Surgery) OT</b> OT 3 – Monday to Friday	<b>Round the clock Emergency Admissions and Operations</b> Cardiac, Thoracic, Vascular surgeries in CTVS, and in any department in SSKM Hospital especially for vascular assistance.

#### Services Summary (01/12/2020 – 31/11/2021)

OPD attendance	Admissions	Operations done
New patient - 6800 Old patient - 4150	Male - 510 Female - 416	Major - 1110 Minor - 172

- Establishment of ECMO services at Sambhunath Pandit Hospital.
- Continuation of Heart Transplant program and ready for Heart- Lung and lung transplant as soon as donor is available.

#### Proposals for extension of the department

1. Development and establishment of a Homograft Valve and Tissue Bank
  2. Neonatal and Pediatric Cardiac Surgery Unit and Training Program
  3. Separate Space for Heart and Lung Transplant Unit
  4. Hybrid Procedure, Endovascular and Minimally Invasive Cardiac Surgery Unit
  5. Thoracic and Video Assisted Thoracoscopic Surgery unit
  6. Development of a CSSD unit of its own at the CTVS Department.
  7. Construction of new building as the extension of the existing one to house the CSSD unit, Extension of Seminar Room, Creation of Cabins, Creation of Transplant and Special Recovery.
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