

45th ANNUAL REPORT

2017 – 18

Saroj Gupta Cancer Centre & Research Institute
(Formerly Cancer Centre Welfare Home & Research Institute)
Mahatma Gandhi Road, Thakurpukur, Kolkata 700 063



This Institute was originally registered as Cancer Centre and Welfare Home on February 29, 1973 as a Registered Society under West Bengal Societies Registration Act XXVI of 1961. Subsequently, to cope up with increasing activity of the Society, its name was changed by re-registration on April 1, 1997 to Cancer Centre Welfare Home & Research Institute. After the sad demise of Dr Saroj Gupta, the founder Secretary and Director of this Institute, the name of the society was further changed and registered as Saroj Gupta Cancer Centre & Research Institute on December 20, 2011. The society is a **non-profit philanthropic body** that is engaged in catering to the needs of the people suffering from cancer. The organization is a Comprehensive Cancer Institute that is actively involved in **Treatment, Control and Research on Cancer**.

Since its inception on 20th February 1973, it has received mass support and donations from people of this country and from abroad. It is the public support and aid that has transformed a 25-bed welfare home to one of the largest Comprehensive Cancer Institutes of the country. **Donations to this Institute are exempted under section 80G of Income Tax Act, 1961.**

The Ministry of Science & Technology, Government of India has recognized this Institute as a SIRO (Scientific & Industrial Research Organization). As such, **donations to this organization are also exempted under section 35(1)(ii) of Income Tax Act, 1961.**

We earnestly solicit your help to assist us in our fight against cancer

Registration No : S/12687 of 1972-73
Registered Office : Mahatma Gandhi Road, Thakurpukur, Kolkata 700 063
Telephone Nos : +91-033-2467/-8001/ -8003; 2453-2781/82/83; 2438-3145
Mobile : 98311-82951/-82904
Fax numbers : +91- 033-2467- 8002; 2453-6711; 2453-4765
E-mail : info@sgccri.org
Research Division: research@sgccri.org,
researchsgccri@gmail.com
Website : www.sgccri.org, www.cancercentrecalcutta.org

This Annual Report is published by Mr. Anjan Gupta (Hony. Secretary) on behalf of Saroj Gupta Cancer Centre & Research Institute. Printed by Graphics Printers, 7/16, Naktala Lane, Kolkata 700 047.





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Members of Governing Body/ Managing Committee

President	: Mr Jayanta Chatterji
Vice-Presidents	: Mr Amit Kumar Sen : Mr Shib Sanker Mukherji
Secretary	: Mr Anjan Gupta
Joint Secretary	: Dr Radhe Shyam Majumder
Asst Secretary	: Dr GautamBhattacharjee
Treasurer	: Mr Kamakshya Prasad Sengupta
Members	: Mr SubhashGuhaNiyogi : Dr Arnab Gupta : Dr Krishnendu Gupta : Mr Jayanta Kumar Paul : Mr Dipayan Choudhury
Advisors	: Dr RabindraNath Ghosh : Mr Aniruddha Bose
Two Govt. Nominees	: Director of Medical Education, Department of Health & Family Welfare, Govt. of West Bengal Director, Chittaranjan National Cancer Institute, Kolkata

Members

FOUNDER MEMBERS

- 1 FM 9 Dr Sunil Kumar Gupta
- 2 FM 37 Ms Gouri Mitra

LIFE MEMBERS

- 1 LM 4 Mr Satya Narayan Khaitan
- 2 LM 5 Mr. Bachhraj Sethia
- 3 LM 6 Mr. Bhagwati Prasad Goenka
- 4 LM 7 Ms Sushila Poddar
- 5 LM 8 Ms Sharda Devi Poddar
- 6 LM 9 Mr Ratan Chand Burman
- 8 LM 14 Ms. Debjani Dey
- 9 LM 15 Mr. Subhash Guha Niyogi
- 10 LM 18 Mr. Subir Chowdhury
- 11 LM 22 Mr. Monotosh Roy Choudhury
- 12 LM 24 Mr. Kanail Lall Dey
- 13 LM 26 Ms. Satiya Bai Saraogi
- 14 LM 27 Mr. Mihir Kumar Aditya
- 15 LM 28 Mr. Jitendra Nath Bose
- 16 LM 30 Mr. Ashoke K. Mukherjee
- 17 LM 38 Dr. Jyoti Rani Sen
- 18 LM 39 Mr. Swapan Kumar Bose
- 19 LM 41 Mr. Subhendu Basu
- 20 LM 42 Mr. Pijush Ranjan Sen Gupta
- 21 LM 46 Mr. Justice Manoj Kumar Mukherji
- 22 LM 47 Mr. Justice Ganendra Narayan Roy
- 23 LM 48 Mr Swapan Das Gupta
- 24 LM 49 Ms Ratna Ghosh
- 25 LM 51 Mr. Debidas Ganguli
- 26 LM 52 Dr. Arun Sekhar Day
- 27 LM 56 Mr Sushil Kumar Ghosh
- 28 LM 57 Mr. Mrinal K Choudhury
- 29 LM 59 Mr. Amit Kumar Sen
- 30 LM 62 Mr Biswanath Mitra
- 31 LM 65 Mr Bivas Roy Chowdhury
- 32 LM 68 Mr Shyam Sundar Roy
- 33 LM 69 Mr Sankar Nath Roy
- 34 LM 72 Dr Krishnendu Gupta
- 35 LM 73 Mr Surendralal Girdharilal Mehta
- 36 LM 74 Mr. Anjan Gupta
- 37 LM 78 Mr. Murari Lal Gupta
- 38 LM 80 Ms. Piya Sen
- 39 LM 81 Mr. Suvra Chandra
- 40 LM 82 Mr Jayanta Chatterji
- 41 LM 83 Mr Samdev Das Gupta
- 42 LM 84 Mr Indrajit Dass
- 43 LM 85 Mr Gautam Ghosh
- 44 LM 88 Dr Radhe Shyam Majumdar
- 45 LM 89 Dr Saumitra Chakravarty
- 46 LM 91 Mr Indrajit Bhattacharya
- 47 LM 93 Mr Jayanta Kumar Paul
- 48 LM 97 Dr Gautam Bhattacharjee
- 49 LM 98 Dr. Arnab Gupta
- 50 LM 99 Dr. Rabindra Nath Ghosh
- 51 LM 100 Mr. Kamakshya Prasad Sengupta
- 52 LM 101 Mr. Shib Sanker Mukherji
- 53 LM 102 Mr Dipayan Choudhury
- 54 LM 103 Dr Sankha Suvra Mitra
- 55 LM 104 Dr Bhaskar Banerjee
- 56 LM 106 Debarshi Dutta Gupta
- 57 LM 107 Dr. Samir Bhattacharyya
- 58 LM 108 Dr Santanu Kumar Tripathi
- 59 LM 109 Dr. Susanta Roychoudhury
- 60 LM 110 Mr Aniruddha Bose
- 61 LM 111 Mr Prakash Lohia
- 62 LM 112 Mr. Barun Kumar Chakravarty

Honorary Members

- HM 2 : Dr Bikash Sinha
HM 3 : Dr Ashok K Roy (USA)
HM 4 : Dr Kironmoy Das (USA)



Honorary Overseas Advisor

Dr S S. Legha. MD	Director of Melanoma Centre in the Texas Cancer Institute, Houston, USA
Dr Sankha Suvra Mitra, MS, DNB, FRCS, FRCR	Consultant Oncologist of Royal Sussex County Hospital, Brighton, UK
Dr Yajati Ghosh, FRCS Ed (Oph.)	Consultant Ophthalmic Surgeon, Birmingham, UK
Dr Shilajit Ghosh, FRCS, Consultant Thoracic	Consultant Ophthalmic Surgeon, Birmingham, UK
Dr Debashis Ghosh, M.S, FRCS(Edin), FRCS(Intercollegiate), FEBS(Breast), FEBS(Surgical Oncology)	Consultant Breast & Oncoplastic Surgeon Royal Free London & UCL Medical School, London. UK
Prof (Dr) Nicholas Roland MBChB MD FRCS	Consultant ENT / Head & Neck Surgeon University Hospital Aintree, Liverpool & Southport and Ormskirk NHS Trust, Lancashire, UK.

Honorary Advisors

Dr. Asit Kr Bandyopadhyay MS, FRCS (Glasgow, Edin)	Consultant General Surgeon, B P Poddar Hospital & Research Institute. Past President, Association of Surgeons of India (WB Chapter)
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Members who had been with us

FOUNDER MEMBERS

Dr Saroj Kumar Gupta
Mr Sankar Prasad Mitra
Mr Mohon Kumar Mookherjee
Dr Mihir Kumar Mitter
Mr Suvash Chandra Mitter
Mr Akshay Kumar Datta
Mr Purnendu Gupta
Mr Mihir Kumar Gupta
Mr Chitta Ranjan Das
Mr Chira Ranjan Das
Mr Saroj Sen
Mr Sukhamay Chanda
Mr Nagendra Nath Guha
Mr Bishnu Lal Banerjee
Mr Satya Ranjan Dasgupta
Mr Debabrata Banerjee
Mr Prokash Chandra Sinha
Mr Bhupati Sinha
Mr Surendra Ranjan Sarkar
Mr Bhupati Chowdhury
Dr Ananda Mohan Datta
Dr Kiran Chandra Mukherjee
Dr Amalendu Roy
Dr Anant Lal Mishra
Dr Bimal Chakraborty
Mr Pratap Kumar Sen
Dr Debi Mohan Bhattacharjee
Mr Asim Kumar Sen
Dr Jyotirmoy Chatterjee
Dr Diptendu Mukherjee

Mr Prantosh Kumar Dutta
Mr Subhamoy Dutta
Dr Sujit Kumar Banerjee
Mr Gour Chandra Paul
Dr Sobha Ghosh
Dr Amiya Prasad Majumdar
Dr Prabhash Chandra Sengupta
Mr Niranjana Kumar Dutta

Life Members

Mr Ramesh Prasad Agarwal
Mr Vinod Kumar Neotia
Mr Nani Gopal Mitra
Dr Haradhan Basak
Mr Lakshmi Kanta Ganguli
Dr Durga Prasad Bhattacharyya
Mr Sunil Dass
Mr Birendra Nath Dasgupta
Mr Sunil Kumar Sarkar
Mr Dwijendra Bhusan Sen
Mr Hirendra Nath Dutta Gupta
Mr Ardeshir H. Sethna
Ms Bithika Banerjee
Mr Premananda Raichoudhuri
Mr Kanak Kumar Sengupta
Mr Amal Prakash Sur
Mr Ajit Kumar Chatterjee
Mr Bhaskar Bhattacharjee
Mr Sudhir Kumar Dutt
Ms Haima Bala Debi Choudhurani
Dr Bidhan Chandra Chatterjee

Mr Radha Bhusan Bose
Mr Sushil Kumar Dey
Mr Suresh Ranjan Roy
Dr Anadi Nath Daw
Ms Nalini Pal
Mr Ashish Sengupta
Mr Ajoy Ghoshal
Dr Subhas Chandra Dutta
Mr Sebastian Joseph
Mr Kamal Kumar Mitra
Mr Tapan Kumar Bose
Mr Mahendra Swarup
Mr Dipankar Dutta Gupta
Mr Sudhir Kumar Gangopadhyay
Mr Susanta Kumar Das
Dr Sarada Prasanna Ghosh
Mr Himangshu Krishna Mitra
Mr Probir Gupta
Mr Sachindra Kumar Mitra
Mr Abhoy Kumar Chakravorty
Mr Rupchand Mullick
Ms Monika Basu
Ms Durga Rani Bhattacharjee
Mr Auravinda Roy Choudhury
Mr Tarak Nath Ghosh
Mr Hirak Das Sarma
Mr Hirendra Nath Ghosh
Dr Niranjana Ghosh
Mrs Monika Mitra
Mr Kallol Dutta

Honorary Member

Rev Subir K. Biswas • Mr Satya Narayan Ray (USA)

Management

Secretary	: Mr Anjan Gupta, B Arch.(Cal), MCP, (IIT), M Arch.(USA)
Director	: Dr (Prof) Arnab Gupta, FRCS (Edin,Eng), FIAGES
Medical Superintendent	: Dr Partha Halder, MBBS
Acting Dy. Medical Superintendent	: Dr (Prof) Jnanabrata Sil, MBBS, DCH, PhD
Medical Administrator	: Lt. Col. Dr Rajarshi Sengupta, MBBS, SCGP, MBA
Chief Coordinator, Communication & Development	: Mrs Rita Das, BA, PGDBM

Sub-Committees

Hospital Advisory	: Mr Anjan Gupta, Secretary Dr Arnab Gupta, Director Dr Gautam Bhattacharjee Dr R. N. Ghosh
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Finance

Convenor	: Mr Anjan Gupta
Member	: Mr Kamakshya Prasad Sengupta Mr Jayanta Kumar Paul

Building

Convenor	: Mr JayantaChatterji
Members	: Mr Anjan Gupta (Architect) Mr Shib Sanker Mukherji Mr B K Banerjee (Architect)

Representative of Accounts	: Mr Santi Kumar Dey Mr Subrata Kumar Chakraborty
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Research Advisory Board

- : Mr Anjan Gupta, B Arch (Cal), MCP (IIT), M Arch. (USA)
Prof (Dr) Arnab Gupta, FRCS (Edin. & Eng.), FIAGES
Prof (Dr) Gautam Bhattacharjee, DMRT, MD, Convener
Prof Bikash Sinha, BSc (CU), BA, MA (Cambridge), PhD,
DSc (Lond), FINSa, FNAS, FNYAS, FIASc.
Prof (Dr) Subir Dutta DCP, MD (Path), FIC Path, DBMS
Prof (Dr) Manish S Chakraborty, MBBS, DCP, PhD
Prof Sukhendu Bikash Bhattacharjee, Ph.D
Dr Asok K. Ray, MD, FRCS, FACS, FICS, FAA, DEP
Prof Siddhartha Roy, Ph.D, FNA, FASc
Prof (Dr) Samir Bhattacharyya, Ph.D, FNA, FASc
Prof Dr S C Pakrashi, PhD, D.Sc., FNA, FASc.T, FNAsc
Prof Runu Chakraborty, PhD
Prof Dharendra Nath Guha Majumder, MD, DM
Dr Rita Banerjee, Scientist FSERC Cell, DST Govt of India
Prof Bhabatosh Biswas, M.S, M.Ch ex-Vice Chancellor,
WB Univ of Health Sciences
Prof Partha P Majumder, PhD
Prof Chitra Mondal, PhD, FTWAS, FNA, FASc,
FNAsc, J.C. Bose, National Fellow
Prof Samit Chattopadhyay, FTWAS, FNA, FASc,
FNAsc, J.C. Bose National Fellow

Research Sub-Committee

- : Mr Anjan Gupta, B Arch., MCP, M Arch. (USA)
Prof (Dr) Arnab Gupta, FRCS (Edin. & Eng.), FIAGES
Prof (Dr) Samir Bhattacharyya, MS
Dr Rabindra Nath Ghosh, MRCPATH
Prof (Dr) Biman Chakraborty, FRCOG, FACS
Prof (Dr) Gautam Bhattacharjee, DMRT, MD
Prof (Dr) Saradindu Ghosh, MS
Dr Shravasti Roy, DTMH, MD
Dr Rahul Roychowdhury, FRCOG
Dr Tanmoy Chatterjee, DGO, MD (O&G)
Dr Nidhu Ranjan Mondal, DGO, MD
Prof (Dr) Tamohan Chaudhuri, DMRT, MD
Dr Dhruvajyoti Mukhopadhyay, DLO, MS
Dr Rakesh Roy, MD
Dr Sanjay Basu, MS, FRCS
Prof Susanta Roychowdhury, Ph.D, FASc, FNAsc, FAScT
Dr Somsubhra Nath (Ph.D)
Prof (Dr) Jananbrata Sil, MBBS, DCH, PhD

Cancer Control

- : Prof (Dr) Arnab Gupta, FRCS (Edin. & Eng.), FIAGES

Palliative Care

- : Prof (Dr) Gautam Bhattacharjee, DMRT, MD
: Dr Ramapati Sanyal, MD, DNB
Dr Rakesh Roy, MD, ESMO Fellow.



Institute Ethics Committee

Chairperson

: Honb'le Mr. Justice (Retd) Ajit Kr.Nayak

Member Secretary

: Prof (Dr) Saradindu Ghosh, Medical Profession

Members

Prof (Dr) Arnab Gupta, Medical Profession

Prof Dipak Kr.Nath, Person of Religion, Ethicist

Prof (Dr) Samir Bhattacharyya, Medical Profession

Prof Santanu Tripathi, Medical Profession, Pharmacologist

Prof Susanta Roychowdhury, Basic Scientist

Dr Madhuchanda Kar, Medical Profession

Mrs Nupur Chakraborty, Lay Person

Dr Adeline Basu, Medical Profession

Prof (Dr) Krishnendu Gupta, Medical Profession

Ms Soumi Banerji, Lay Person

Ms Debjani Aich, Media Person

Mr Krishnendu Halder, Legal Profession

Environment Monitoring Committee

Chairman

: Dr Arunabha Majumder

Members

: Sri Subhash Guha Niyogi, Convenor

Prof Subhash Santra

Dr R. K. Chakraborty

Prof (Dr) Gautam Bhattacharjee

Dr Pranabesh Sanyal, IFS

Dr Rajarshi Mitra

Dr Partha Halder, Medical Superintendent,

Dr Shravasti Roy,

Dr Kalpana Karak(Paul)

Local Administrative Committee, RRMC

Members - SGCCRI

: Mr Anjan Gupta

Prof (Dr) Arnab Gupta

Prof (Dr) Gautam Bhattacharjee

Members – VECC

: Dr Santanu Ganguly

Dr Surajit Pal

Library

Joint Convener

: Prof (Dr) Samir Bhattacharyya, MS

Dr Madhuchanda Kar MD, PhD

Co-ordinator

: Mr Amit Singh, Librarian



Members : Prof (Dr) Arnab Gupta, FRCS(Edin&Eng), FIAGES
Prof (Dr) Gautam Bhattacharjee, DMRT, MD
Dr Shravasti Roy, DTMH, MD
Dr Rakesh Roy, MD, ESMO Fellow
Mr Subrata Kumar Chakraborty

Personnel & Administration

Manager : Ms Subrata Siddhanta
Mr Debabrata Sadhu

Social Worker : Mrs Chhanda Das

Superintendent : Ms Purnima Mukherjee
Dy. Matron : Ms Suchitra Mukherjee
: Ms Bijoya Mukherjee
Asst. Matron : Ms Jolly Das

Maintenance

Consultant : Mr T K Banerjee

Sr. Managers : Mr Shyamal Das
Mr Himangshu Roy



Date : 15.11.2018

Notice

Notice is hereby given to all the members of SAROJ GUPTA CANCER CENTRE AND RESEARCH INSTITUTE that 45th. (Forty Fifth) Annual General Meeting of the Society will be held at our Centre at Mahatma Gandhi Road, Thakurpukur, Kolkata-700 063 on December 16, 2018 (Sunday) at 11.00 A. M. to transact the following business.

SECRETARY

AGENDA :

1. To confirm the minutes of the last Annual General Meeting.
2. To approve and adopt the report of the Governing Body / Managing Committee regarding working of the Society for the year ended on March 31, 2018.
3. To approve and adopt the audited accounts and report of the Auditors for the year ended March 31, 2018.
4. To appoint Auditors till conclusion of the next Annual General Meeting.
5. To declare result of the election of members to the Governing Body / Managing Committee for the year 2018-2019 and 2019-2020.
6. To transact any other business in the opinion of the members present, will be beneficial to the interest of the Society.



I. INTRODUCTION

The Governing Body/Managing Committee of Saroj Gupta Cancer Centre & Research Institute hereby presents its report of activities and audited accounts for the year ending on 31st March 2018.

The Governing Body/Managing Committee once again pledges its commitments towards pursuing the aims and objective of the Society. Saroj Gupta Cancer Centre & Research Institute has progressed further in Therapeutics, Academics, Prevention and Research on cancer.

All the Therapeutic, Diagnostic Departments and Ancillary Services of this Institute are running smoothly.

Due to our continuous efforts to upgrade our equipments and services, further tie-ups with various organizations continue.

In-house and Collaborative research activities with other Institutes and agencies continue successfully.


NABH Accreditation

The Institute has been granted Certification under Pre- Accreditation Entry-Level- Hospital program by National Accreditation Board for Hospitals for its services w.e.f October 2018.

Within a record period of 9 months, through intensive training, improved teamwork and regular workshops, with required infra-structural changes, the Accreditation process was completed.

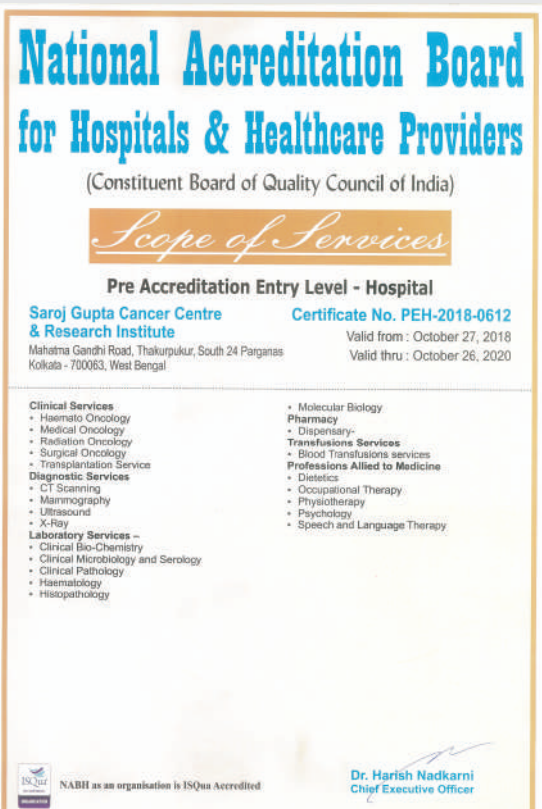
The teamwork from employees of all categories helped in the process of this transition of quality awareness and service delivery.

With this Accreditation the Institute can now build upon its brand for further Quality Certifications in the National and International arena.



The award of NABH Pre Accreditation (Entry Level) means that the organisation ensures:

1. Commitment to create a culture of quality, patient safety, efficiency and accountability towards patient care.
2. Establishment of protocols and policies as per National/International Standard for patient care, medication management, consent process, patient safety, clinical outcomes, medical records, infection control and staffing.
3. Patients are treated with respect, dignity and courtesy at all times.
4. Patients are involved in care planning and decision making.
5. Patients are treated by qualified and trained staff.
6. Feedback from patients is sought and complaints (if any) are addressed.
7. Transparency in billing and availability of tariff list.



Scope of Services

Pre Accreditation Entry Level - Hospital

Saroj Gupta Cancer Centre & Research Institute **Certificate No. PEH-2018-0612**
 Mahatma Gandhi Road, Thakurpukur, South 24 Parganas Valid from : October 27, 2018
 Kolkata - 700063, West Bengal Valid thru : October 26, 2020

<p>Clinical Services</p> <ul style="list-style-type: none"> • Haemato Oncology • Medical Oncology • Radiation Oncology • Surgical Oncology • Transplantation Service <p>Diagnostic Services</p> <ul style="list-style-type: none"> • CT Scanning • Mammography • Ultrasound • X-Ray <p>Laboratory Services –</p> <ul style="list-style-type: none"> • Clinical Bio-Chemistry • Clinical Microbiology and Serology • Clinical Pathology • Haematology • Histopathology 	<ul style="list-style-type: none"> • Molecular Biology <p>Pharmacy</p> <ul style="list-style-type: none"> • Dispensary- <p>Transfusions Services</p> <ul style="list-style-type: none"> • Blood Transfusions services <p>Professions Allied to Medicine</p> <ul style="list-style-type: none"> • Dietetics • Occupational Therapy • Physiotherapy • Psychology • Speech and Language Therapy
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NABH as an organisation is ISO9001 Accredited

Dr. Harish Nadkarni
Chief Executive Officer



Events in this Institute (January, 2018 to December, 2018):

Scientific Events:

- **9th East Zonal Oncology CME:**

The CME was hosted by Saroj Gupta Cancer Centre & Research Institute for the 9th time under the aegis of ASI West Bengal chapter, IASO (Indian Association of Surgical Oncology), & this time also under banner of ABSI (Association of Breast Surgeons of India) at Park Hotel on 18th January, 2018. This was a single theme single day conference: `Breast Cancer- Updates and their relevance in India`- keeping in mind the extremely heterogenous population and infrastructure and also the late presentations of patients in our country. The highlights were: Master Videos (where all aspects of Breast Cancer Surgery were covered by experts), Panel discussion on Management of Locally Advanced Breast Cancer (Diagnostics and therapeutics), Key-note addresses- on Oncoplastic Breast surgery and Molecular Biology, Systemic chemotherapy and targeted therapy. Special attractions were Prof Saroj Gupta Oration which was delivered by Dr Sankaranarayanan (Coimbatore) and Prof Henry Shaw Oration by Prof Debashis Kumar (UK). Special lucrative prizes were there for the PGTs in Poster Presentation, Oncoquiz and also for best Audience participation. Other eminent Overseas Faculty was Prof Chittaranjan Chowdhury (UK) and National Faculty: Dr V P Singh (Patna). The President of ASI WB Dr Somnath Ghosh, President Elect of IASO Dr Dhairyasheel Savant and President of ABSI Prof Diptendra Sarkar actively took part in the CME along with many other reputed National and local faculties. There were 120 registrations all of whom gave very positive feedback. The Chief Patron for the CME was Mr Anjan Gupta, Organising Chairperson Prof Samir Bhattacharya, Organising Secy Prof Arnab Gupta & Jt Org Secy Prof Saradindu Ghosh.

- **Nicotine replacement & nutritional training**

Prof. Chittaranjan Chowdhury (UK) organised this workshop on 25th November, 2018 for dental students which well attended.

Other Events:

- **Biswabhara Praan (6th January, 2018)**

12th Anniversary of eminent Danseuse Guru Govindam Kutty was observed in our Auditorium through a Cultural Programme by Aesthetic Unit of Anantara Psychiatric Institute, Gobindapur conducted by Ms Mandar Mukherjee & Dr John. Prof Partha Pratim Basu graced the occasion as Chief Guest while Mrs Thankamuny Kutty and Mrs Ila Gupta were the Special Guests.



- **World Cancer Day (3rd February, 2018)**

This Day was observed once again to bring together the Cancer survivors to encourage the patients undergoing treatment at present in our hospital. The theme this year was Colo-rectal & Head- Neck Cancer. Many survivors took part in the cultural programme which was followed by Awareness talks by our Oncologists. ASPEX (Alumini of South Point High School) presented a cultural programme 'Aaro Praan' where the Star attraction was an amputee Anjali Roy who brought tears to the eyes of the audience with her solo performance. The inaugural programme was graced by **Sri Firhad Hakim, Hon'ble Minister for Urban Development & Municipal Affairs Government of West Bengal**, as our Chief Guest, who highly appreciated the good work that continues to be done here since inception and promised all help. There was also a release of teaser of a film 'Her Story' directed by Sri Sudpta Dey, whose wife had succumbed to cancer earlier. The release was graced by **Mr. Bijan Sensharma**, All India Vice President of Federation of Film Societies of India, **Mr. Raja Sen**, eminent Film Director. **Dr Binayek Sen**, an Eminent Social Worker, was the Special Guest. A Short Film by MANT (an NGO against Tobacco) was shown to create awareness against Tobacco consumption. Other dignitaries present were District Governor Rtn. Brajo Gopal Kundu, Past District Governor Rtn. Utpal Majumder.

- **Visit of Past RI President, 2015-16 (24th February, 2018)**

Rtn K Ravindran & his wife Anne Vanathy visited our centre all the way from Sri Lanka, along with Senior Members of Rotary Club of Calcutta South City including PDGs Rtn Utpal Majumdar and Rtn Jhulan Basu. They promised to help us in procuring a new Radiotherapy machine.

- **Release of the Movie 'Bathtub' (27th March, 2018)**

Mr Ruchin Chainpuri, a Film Director in Delhi, released a movie 'Bath Tub' which was based on his psychological aspect while his daughter was undergoing treatment here. This was appreciated by the patients, their families & the staff. This was followed by musical extravaganza by Aditya Suman, Nilesh Singh, Dr Queen Aditya & Dr Arnab Gupta.

- **Nabobarsho Celebration (21st April, 2018)**

Programme to ring in NABOBORSHO through Musical notes for patients was organized where Sri Mrityunjoy Mukherjee, renowned flautist enthralled the audience with exotic tunes. Drama, "Bish", (based on early days of Thakurpukur Cancer Hospital) was staged by 'Belghoria Theater Academy', written & directed by Dr Amitabha Bhattacharjee.

- **Inauguration of Patient Canteen (24th March, 2018):**

The old patient canteen was modernized with upgrading the interiors and addition of all modern equipment utensils to make the environment congenial for quality, hygiene and safe food for our

patients. This was possible for donation from The **Ladies Study Group** with the initiative of the then President Ms Namrata Sureka. The cheque was ceremoniously handed over by the Hon'ble Governor of West Bengal **Mr K N Tripathy** at Hotel Taj Bengal on 24th March, 2018 in presence of many dignitaries including the eminent singer **Smt Kavita Krishnamurthy & Ms Nafisa Ali**.

- **World Nurses` Day (12th May, 2018):**

Like previous years this day was celebrated by our Nursing staff paying tribute to Ms Florence Nightingale. A cultural programme was organized on this occasion. Dr Sanmay Ganguly was a special attraction with his Magic Show.

- **Celebration of Life (21st May, 2018):**

8th Anniversary of our Founder was observed with garlanding of his statute, donation of blood by our Management & Staff for the patients. An electronic prosthetic limb was donated to our amputee child survivor Ms Anjali Roy by Kolkata Gives Foundation to help her pursue with her dancing career. Smt Pramita Mullick, eminent singer, paid a musical tribute to our founder. Mr Craig Hall, US Consulate General paid visit to our hospital along with his wife Ms Meeryung Hall and paid homage to our founder and encouraged our children with his kind words.

- **World No Tobacco Day (31st May, 2018):**

Incidence of Cancer is increasing rapidly and most of most it is Lifestyle related. Tobacco (both smoking and smokeless) plays a major role in the causation of cancer. The Institution, from the very beginning had been proactively involved in awareness against tobacco in different part of the state. Like previous years, World No Tobacco Day was observed with awareness programme in our OPD through talks and distribution of folders.

- **World Environment Day (9th June, 2018):**

The day was observed at SGCCRI, Thakurpukur under the leadership of Mr Subhash Guha Neogi, our Governing Body Member, Past President of Agri Horticultural Society. He remains an active member at 91 years, in our Hospital activities, esp in our Environment monitoring, maintaining the unique ambience for the cancer victims. Saplings of different trees were planted in the Hospital premises keeping in mind the future ambience and also the health of the patients.

- **Rath Yatra (14th July, 2018):**

The children once again participated in this festival. Special food was distributed to all the patients on the ward.



- **Independence Day (15th August, 2018):**

The day was celebrated like every year with Flag hoisting by our Medical Superintendent in the presence of our Staff and patients. Homage was paid to the patriots who sacrificed their lives for our Independence.

- **Children`s Day Celebration (14th November, 2018):**

Since 2002, the hospital has been celebrating Children`s Day to bring joy to our children who are undergoing painful treatment and also their parents who bear the brunt of psychological trauma. This year, the occasion was graced by **Sri Taufique Hassan (Dy High Commissioner, Bangladesh)** as Chief Guest and **Prof Dwarkanath Bose (nephew of Indian Nationalist Sri Subhash Ch Bose)** as Special Guest. They handed over prizes to all the children who took part in Sit & Draw competition. The children, undergoing chemotherapy, put up a dance recital under the mentorship of Music therapist Ms Papri Saha. Rotaract club of Heritage put up a comedy show while **Smt Sreeradha Bandopadhyay**, eminent singer, enthralled the audience with a musical extravaganza.

- **Visit by Consul General, Federal Republic of Germany (3rd Dec, 2018):**

Mr Michael Feiner paid visit to our hospital who was highly impressed by our services to the humanity and promised all possible help.

- **Founder`s Day Celebration (5th December, 2018):**

Like previous years this day was observed in the morning with blood donation by many of our staff for the patients.

In the evening tribute was paid to our Founder by garlanding of his statue followed by a cultural programme including a Drama `Solution X` by our Management & Staff. On this occasion 2 Automated Tissue Processors were inaugurated by Immediate Past DG Rtn B G Kundu & Rtn Dr Krishnendu Gupta (President of Rotary Club of Calcutta Victoria) who had funded the machines under the Rotary Global Grant.

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iii. OUR ACTIVITIES

A. Medical & Allied Fields

A.1. Departments & Services

This Comprehensive Cancer Institute has the following departments in the Medical and Allied fields:

1. Major Therapeutic Divisions/Departments

Radiation Oncology	<ul style="list-style-type: none">• Teletherapy- Linacs (with IMRT, IGRT, Rapid Arc, 3, DCRT), Telecobalt• Brachytherapy• Radio-Iodine Therapy (with RRMC)
Surgical Oncology (Broad Division)	Gynecological Oncology
	Surgical Oncology
	<ul style="list-style-type: none">• Head & Neck Surgery
	<ul style="list-style-type: none">• Peripheral Surgery
	<ul style="list-style-type: none">• Breast Unit
	<ul style="list-style-type: none">• Urology
	<ul style="list-style-type: none">• Thoracic Surgery
	<ul style="list-style-type: none">• G I & Hepatobiliary Surgery
	<ul style="list-style-type: none">• Orthopaedic Surgery
	<ul style="list-style-type: none">• Paediatric Surgery
	<ul style="list-style-type: none">• Plastic Surgery
	<ul style="list-style-type: none">• ENT Oncology
<ul style="list-style-type: none">• Endoscopy Unit	
<ul style="list-style-type: none">• Laparoscopy Unit	
Medical Oncology	Chemotherapy Haemato-Oncology Paediatric Oncology Bone Marrow Transplant

2. Major Ancillary Departments

- Cardiology
- Pulmonology
- General Medicine
- Nephrology
- Neurology
- Dental



3. Major Diagnostic Departments:

Nuclear Medicine	Nuclear imaging
	Non-image based study unit
	In vitro diagnostic study unit
	Radio-nuclide therapy
Radiology	Conventional radiology including Digital Radiography
	Mammography
	Ultrasonology including Echocardiography, Colour Doppler
	Computerized Tomography (CT Scan)
	PET-CT scan
	MRI
	Image guided intervention
Pathology	Histopathology
	Cytopathology
	Image guided core-needle biopsy
	Biochemistry & Marker Lab
	Immuno-Cyto- & Histo-chemistry Lab
	Microbiology

4. Major Ancillary Services

Nursing Service

Transfusion Medicine Service (Blood Bank)

Pain clinic and Palliative Care Service

Alaryngeal Speech Therapy Unit

Stomach Care Service

Breast Cancer Support Service Psychological Support Service

Nutritional Assistance Service

Music & Art Therapy for Children

Stop Tobacco Clinic (NRT Clinic)



A.1. Departments & Personnel

Radiotherapy

Prof (Dr) Gautam Bhattacharjee, DMRT, MD (HOD)
Prof (Dr) Tamohan Chaudhuri, DMRT, MD (Bom) (In-charge)
Dr Mahfuz Ariff, DMRT, MD (In-charge)
Dr Sanmay Ganguly, DMRT (since deceased)
Dr Abhijit Sarkar, DMRT
Dr Somnath Sarkar, DMRT
Dr Soumadip Panda, MD
Dr Gaurav Goswami, MD
Dr Roopesh Reddy, DNB (RT)

Surgical Oncology

Dr Samir Sen, MS (Advisor)
Prof (Dr) Samir Bhattacharyya, MS (HOD)
Prof (Dr) Saradindu Ghosh, MS (In-charge)
Prof (Dr) Arnab Gupta, FRCS(Edin), FRCS(Eng), FIAGES
Dr Indranil Chatterjee, MS (Dy. In-charge)
Dr Chayan Kr. Ray, MS, M. Ch.
Dr Amal Kumar Chakravarty, MS, FRCS
Dr Subhash Chandra De, MS
Dr Sanjoy Basu, MS, FRCS
Dr Arun Ganguly, MS, DNB, M.Ch
Dr Aditya Narayan Sen, FRCS
Dr Anubha Banerjee, MBBS
Dr Subrata Kumar Sahu, MS, DNB (Surgical Oncology)
Dr Syed Hassanujjaman, MS, DNB (Surgical Oncology)
Dr Shib Shankar Paul, MS (Addl. RS)
Dr Gyanendra, MS (RS)
Dr Soumitra Banerjee, MBBS
Dr Bishakha Basu Roy, MBBS
Dr Nirmal Chandra Barui, MBBS, DGO

Orthopaedic

Gastro Enterology

Dr Dipak Roy Choudhury, D.Orth, MS (Orth)
Dr Dharendra Nath Guha Majumder, MD (Advisor)
Dr Indranil Saha, MD

Neurology / Neurosurgery

Consultants of CMRI, Kolkata

Endoscopy Unit

Prof (Dr) Arnab Gupta, FRCS(Edin), FRCS(Eng), FIAGES
Dr Indranil Saha, MD
Dr Sanjoy Basu, MS, FRCS
Dr Debanik Sarkar, MD (Physician)
Dr Shreyasi Maiti (Dhara), MBBS
Dr Saprativ Mondal, MBBS

Urology

Prof (Dr) Kalyan Kumar Sarkar, MS, FRCS (Edin) (Advisor)
Dr Sabyasachi Bose, DNB

Nephrology

Dr D. N. Mishra, M.D., D.M., DNB (Advisor)
Dr Kaushik Das, MBBS, I.C.C.N (B.H.U.)

Anaesthesia

Dr Anjali Sinha, DA (Lond) (HOD)
Dr Sudeshna Mondal, MD (In-charge)
Dr Subhasis Pradhan, MD
Dr. Ajitesh Ghosal, FCCP DA
Dr Chinu Chowdhury, DA
Dr Sakuntala Chakraborty, DA., MD
Dr Paramita Sarkar, DA
Dr Kishore Kumar Bakshi, MBBS

ITU / MICU/ON-CALL

Dr Anjali Sinha, DA (Lond) (HOD)
Dr Subhamoy Pal, MBBS (In-charge)
Dr Subhasis Pradhan, MD (Anaesth)
Dr Mili Ghosh, MBBS
Dr Pramit Giri, MBBS
Dr Avijit Pal, MBBS
Dr Chandan Sarkar, MBBS
Dr D V S Mithilesh, MBBS
Dr Sulagna Basu, MBBS
Dr Dipanjan Sinha, MBBS
Dr Debasis Bagchi,, MBBS
Dr Subham Chandra, MBBS
Dr Rajdeep Naha Roy, MBBS
Dr Sourav Basu, MBBS
Dr Mrinmoy Mahato, MBBS
Dr Sanchita Sarkar, MBBS

Gynaecology

Prof (Dr) Biman Chakraborty, FRCOG, FACS (HOD)
Dr Nidhu Ranjan Mondol, DGO, MD (In-charge)
Dr Tanmoy Chatterjee, DGO, MD (O&G)
Dr Rahul Roy Chowdhury, FRCOG
Dr Subhasish De, DGO
Dr Jaba Basak, MBBS
Dr Saswati Sorcar, DGO
Dr Roparthy Mouna, MBBS

ENT

Dr Amitava Guha, DLO (HOD) (Since deceased)
Dr Dhruva Jyoti Mukherjee, MS (ENT), In-charge
Dr Bhudeb Bhattacharyya, DLO, MS

Dental

Dr Arun Kumar Mazumder, BDS (Cal)

Medicine

Dr Debasis Roy, DTM&H (Cal) DTCD (Cal)
Dr Buddhadeb Dasgupta, MD (Tuberculosis & Chest Diseases)



Medical Oncology

Dr Ketaki Moitra, MS, DMRT (Lond)
Dr Madhuchandra Kar, MD, Ph.D
Dr Rakesh Roy, MD,ECMO,Dip Pall Med (UK) (In-charge)
Dr Moumita Maity, MD (Radiotherapy)
Dr Ajoy Shankar Samaddar, MBBS
Dr Dilip Kr. Patra, MBBS
Dr Phalguni Roy Chaudhury, MBBS
Dr Somdutta Singha, MBBS

Haemato Oncology & BMT (Adult)

Dr Rabindra Nath Ghosh, MRC Path (Eng) (HOD)
Dr Chandan Sengupta, DCH (In-charge)
Dr Debmalaya Bhattacharyya, MBBS, MD (General Medicine),
D.M (Clinical Haematology)
Dr Tusti Ganguly, MBBS, DGO, MD (Paediatric Medicine),
DM (Clinical Haematology)
Dr Partha Pratim Gupta, MBBS (In-Charge – BMT)
Dr Madhumita Patra, MBBS
Dr Imran Ali, MBBS

Haemato Oncology (Paediatric)

Dr Rabindra Nath Ghosh, MRC Path (Eng) (HOD)
Dr Tusti Ganguly, MBBS, DGO, MD (Paediatric Medicine),
DM (Clinical Haematology)
Dr Chandan Sengupta, DCH (In-charge)
Dr Soma De, DCH (Dy. Incharge- Paed)
Dr Tannishtha Roy, MBBS

Paediatric Surgery

Dr Amal Kumar Chakravarty, MS, FRCS

Pathology

Dr Sailendra Nath Sarkar, DCP (HOD)
Dr Shravasti Roy, DTM&H, MD (In-charge)
Dr Mala Banerjee, MD
Prof (Dr) Subrata Chakraborty, MD
Dr Anuradha De, MD.
Dr Maitrayee Saha, MD , DNB
Dr Sanchita Biswas, MD
Dr Sunipa Ghosh, MD

Micro-Biology & Biochemistry

Dr (Prof.) Kalpana Karak (Paul), MD
Dr Jyoti Paul, MD
Dr Anita Banerjee, MBBS, Ph.D
Dr Sandip Kr. Batabyal, Ph.D (Biochem. Cal), FIC (India), FCAI (Delhi), FICS

Radiology

Dr Rathin Mukherjee, DMRD, MD, MICR (HOD)
Dr Paritosh Mukherjee, DMRD, MD
Dr Amiya Kumar Roy, MBBS (In-charge)
Dr Sumit Laskaria, MD
Dr Prakriti Bandyopadhyay, MBBS
Dr Rina Saha, MBBS

Interventional Radiology	Dr Shubhro Roychowdhury, FRCS, FRCR European Board of Interventional Radiology
Nuclear Medicine (RRMC)	Dr Santanu Ganguly, DRM (Section Head) Mr Surajit Pal, M.Sc., DRP, Ph.D
Medical Physics	Mr Rajdip Mitra, M.Sc. (Phys.), Post M.Sc. Dip. (Med. Phy), RSO Mrs Anisha Dey (Paul) M.Sc. (Phys.), Post M.Sc. Dip. (Med. Phy), Ms Antara Saha, M.Sc. (Phys.), Post M.Sc. Dip. (Med. Phy), Mr Subhash Halder, M.Sc. (Phys.), Post M.Sc. Dip. (Med. Phy), Mr Subhankar Show, M.Sc. (Phys.), Post M.Sc. Dip. (Med. Phy)
Cardiology	Dr Nirmalendu Nath, MD (Advisor) Dr Prasanta Kumar Das, MD Dr Gautam Das, Dip. Card Dr Ankush Dutta, Dip. Card, FCCP, MRCP Dr Saroj Kr. Saha, MBBS, DPH
Echo-Cardiography	Dr Gautam Das, MBBS, Dip Card Dr Prasanta Kumar Das, MD Dr Ankush Dutta, Dip. Card, FCCP, MRCP
Palliative-Care & Pain Clinic	Prof (Dr.) Gautam Bhattacharjee, DMRT, MD (HOD) Dr Rakesh Roy, MD, ECMO, Dip Pall Med (UK) (In-charge) Dr Sankha Suvra Mitra, MS, DNB, FRCS, FRCR (Overseas Advisor) Dr Suchanda Goswami, DMRT, MD (Bom) Dr Ramapati Sanyal, MD, DNB (Anaes) Dr Kuntal Ghosh, MBBS Dr Chintan Haran Sikdar, MBBS Dr Dilip Kumar Patra, MBBS
Speech Therapist	Sri Ujjal Sinha Smt Soma Sinha
Blood Bank	Dr Jnanabrata Sil, MBBS, DCH, Ph.D (Medicine) Dr Ajit Kumar Pradhan, MBBS
Stoma Clinic	Cancer Fight Foundation
Breast Support Group	Hitaishini Ms Bijoya Mukherjee (Founder) Ms Nupur Chakraborty (President) Ms Krishna Dutta (Hony Secy) Other Officers and members
Music Therapist	Smt Papri Saha



Research Division

Prof (Dr) Samir Bhattacharyya, MS (HOD)
Prof (Dr) Arnab Gupta, FRCS (Edin & Eng), FIAGES
(Chief, Cancer Control)
Prof (Dr) Gautam Bhattacharjee, DMRT, MD
(Chief, Epidemiology & Registry)
Prof Chitta Ranjan Chowdhury, PhD (Japan), MPH (UK), FFDRCS (Ire),
BDS (DU), DND (DU) (Chief, Head Neck PHD &
fellowship program)
Prof Susanta Roychoudhury, Ph.D, FASc, FNASc, FAScT
(Chief, Basic Research & Molecular Biology)
Prof (Dr) Saradindu Ghosh, MS (Member Secretary, Institute
Ethics Committee)
Dr Rahul Roy Chowdhury, MRCOG(Chief, Clinical Trial Site
Administrator)
Dr Tanmoy Chatterjee, DGO, MD (G&O) (Coordinator, Clinical Studies)
Prof (Dr) Biman Chakraborty, FRCOG, FACS
Dr R N Ghosh, MRCP Path (Eng)
Dr Sarbajit Das, MS
Dr Nidhu Ranjan Mondal, DGO, MD
Dr Tamohan Chaudhuri, DMRT, MD
Dr Shravasti Roy, DTMH, MD
Dr Dhruva Jyoti Mukhopadhyay, MS (ENT)
Mr Somsubhra Nath (Ph.D) (Scientist)
Mrs Fenella Simone Anthony(D'cruz) (Office Co-ordinator)
Ms Srijoni Sarkar (Research Co-ordinator)

Medical Records & Statistics

Prof (Dr) Samir Bhattacharyya, MS (HOD)
Dr Gautam Dasgupta, MBBS, DCH (Medical Officer- Research)
Mr Debashis Banerjee
Mr Shambhu Das
Mr Chanchal Sarkar

Cancer Control

Prof (Dr) Arnab Gupta, FRCS (Edin & Eng), FIAGES

DNB	
Radiotherapy	Dr Sujata Sarkar, MBBS
	Dr Krishna Teja M, MBBS
	Dr Himanshu Pruthi, MBBS
Surgical Oncology	Dr Sudip Halder, MS
	Dr Suman Udatha, MS
	Dr Madhabathula Santosh, MS
	Dr P. Bharath Kumar, MS
	Dr Ranveer Singh Rana, MS
	Dr Dhananjay Mansing Patil, MS



A.3 Turnover of Patients

The following table gives an overview of the turnover of patients (male, female and children) at this Institute during the year 2017-2018

A.3.1. Out-Patient Service

Parameter	Total
New Patients Registered (Male -5,282; Female -5171)	10,453
Total Number of OPD Consultation New – 10,453; Old Follow-up 44748 (Male–27,775; Female-27,426)	55,201

A.3.2. Out-Patient Service: Department-wise Registration

DEPARTMENT	REGISTRATION (MALE)	REGISTRATION (FEMALE)	TOTAL
Radiation Oncology	521	564	1085
ENT	497	97	594
Gynecology		718	718
Hemato-oncology	509	274	783
Palliative Care	26	17	43
Medical Oncology	162	99	261
Surgical Oncology			
Head & Neck	468	162	630
Breast	11	769	780
Gastro Intestinal	778	553	1331
Urology	353	42	395
Orthopedic	112	84	196
Others	863	463	1326
Miscellaneous +RRMC=1378+933	981	1330	2311
TOTAL	5281	5172	10453

A.3.3 Our Progress Out-Patient service of 3 Yrs: Department-wise Registration

DEPARTMENT	2015-16	2016-17	2017-18
Radiation Oncology	1610	1414	1085
ENT	700	599	594
Gynecology	703	720	718
Hemato-oncology	869	871	783
Palliative Care	20	21	43
Medical Oncology	347	287	261
Surgical Oncology			
Head & Neck	652	653	630
Breast	905	783	780
GI	1071	1385	1331
Urosurgery	180	408	395
Orthopedic	100	196	196
Others	1306	980	1326
Miscellaneous+ RRM C	2,770	2,770	2311
TOTAL	11,233	11,087	10,453

A.3.3 Our Progress Out-Patient service of 3 Yrs: Department-wise Registration
A.3.3 Our Progress Out-Patient service of 3 Yrs: Department-wise Registration

DEPARTMENT		2015-16	2016-17	2017-18
Radiation Oncology		1610	1414	1085
ENT		700	599	594
Gynecology		703	720	718
Hemato-oncology		869	871	783
Palliative Care		20	21	43
Medical Oncology		347	287	261
Surgical Oncology	Head & Neck	652	653	630
	Breast	905	783	780
	GI	1071	1385	1331
	Urosurgery	180	408	395
	Orthopedic	100	196	196
	Others	1306	980	1326
Miscellaneous+ RRMC		2,770	2,770	2311
TOTAL		11,233	11,087	10,453

A.3.4- In- Patient Service (Admission)

Age Group	Male	Female	TOTAL
Pediatric (0-14 yrs)	898	398	1296
Adult (15+ yrs)	7904	7770	15674
TOTAL	8802	8168	16,970

A.3.5 Our Progress In-Patient Service:

YEAR	Age Group	TOTAL	Age group	TOTAL	GRAND TOTAL
2015-16	Pediatric (0-14 yrs)	650	Adult (15+yrs)	12,800	13,450
2016-17	Pediatric (0-14 yrs)	1,135	Adult (15+yrs)	15,886	17,021
2017-18	Pediatric (0-14 yrs)	1296	Adult (15+yrs)	15,674	16,970

A.3.6 In-Patient Death

During the period, 490 admitted patients (2.9%) have expired out of admitted patients. Most were in advanced terminal stage.

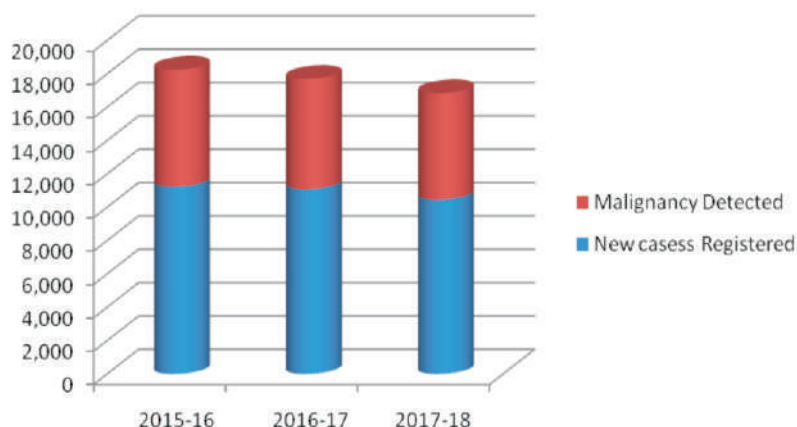
A.3.7 Total Indoor Beds

At present, this Institute has 311 indoor beds

A.3.8 Comparative study of detected and treated cases of past three years at our Centre is furnished below in form of Table and Bar Chart.

ANALYSIS OF MALIGNANT CASES DETECTED AND TREATED IN SGCCRI

Year	New Cases Registered	Malignancy Detected
2015-16	11,233	7,006
2016-17	11,087	6,603
2017-18	10,453	6,379



A.4 Important activities of Major Therapeutic Divisions/Departments

A.4.1. Department of Radiation Oncology

Radiation oncology department is equipped with various state of the art machines such as :

- Two Telecobalt units (Theratron Elite 80 and Bhabhatron II)
- Two linear accelerator units (Siemens Primus 6X and Varian Unique Performance)
- One remote after loading Brachytherapy unit (Microselectron HDR)
- Two 3D-Treatment planning systems (Eclipse & Oncentra)
- One conventional treatment simulator (Imagin) Of these machines, the Varian Unique Linear Accelerator is the latest which was installed on 5th December 2016. This machine can deliver radiation using the latest available techniques like IMRT, IGRT & Rapid Arc conformal methods. With these sophisticated radiations modalities, our centre is now at par with any other modern Radiation Oncology centre in India.
- For improved dosimetry and quality assurance of IMRT and Rapid Arc procedures we have recently procured Octavius Detector and 4D rotational unit with multichk software from PTW – Germany.
- We got AERB approval for installation of Gamma Irradiation Chamber with Co-60 source (800Ci). This will be useful for our Bone marrow transplantation (BMT) unit.

Turnover of patient (April 2017-March 2018)

Telecobalt units:1029

Linac units: 491 (3DCRT – 332, IMRT – 123, Conventional – 27, Rapid Arc - 9)

Brachytherapy unit : 191

- Intracavitary (Without CT based) – 173
- Intracavitary (CT + 3D Planning Based) - 15
- Interstitial - 2
- Intraluminal – 1

Total: Radiotherapy: 1711

Last Three Years Patient Turnover

Therapy Units	2015-16	2016-17	2017-18
Telecobalt Units	1338	1283	1029
Linear Accelerator Units	474	487	491
Intracavitary Brachytherapy Unit	216	233	188
Intraluminal Brachytherapy Unit	7	7	1
Interstitial Brachytherapy Unit	1	2	2

Academic activities:

1. We are a recognized DNB (Radiotherapy) teaching centre. This year three of our students Dr. Roopesh Reddy, Dr. Vishnu Reddy and Dr. Sanchayan Mandal have cleared DNB final (theory & practical) examination. We run a 2 year diploma course for Radiotherapy technicians (DRT course) under the supervision of WB State Medical Faculty
2. Doctors and Medical physicists regularly present their activities in different scientific forums. Scientific papers & reports were already published or under review (for publication in near future) for publication in peer reviewed journals.
3. Our medical physics unit is recognized by BARC & AERB (Atomic Energy Regulatory Board) for one year internship program for newly qualified medical physicists.
4. We upgraded our Brachytherapy Treatment planning system from version 4.3 to 4.5.3
5. We started CT based 3 Dimensional Treatment Planning of Intracavitary Brachytherapy for cervical cancer patients.
6. We provide three months training programme for the M.Sc & B.Sc students of Medical physics (Gono University, Bangladesh & Anna University, Tamil Nadu).
7. We provide one/three months training program for the B.Sc students of Radiotherapy Technology (Tripura Institute of Para Medical Science).
8. Our department is attached with an International Trial Collaboration with University College of London Hospital (UCLH) & Cancer Research UK (CRUK). The title of the Interlace trial is "A phase 111 multicenter trial of weekly induction chemotherapy followed by standard chemoradiation versus standard chemoradiation alone in patients with locally advanced cervical cancer"

Future plans:

- 1) A moving laser for use with our CT scan machine is going to be added to help the medical physicists plan more elaborately and accurately.
- 2) A high-end Linac machine has been proposed to replace our old Linac machine to introduce state-of-art technology in Stereotactic Radiotherapy as well as other modern protocols in Radiation Oncology. CSR funding has been approached from large corporates in order to avail of this technology.

A.4.2 Department of Surgical Oncology and Endoscopy

The OT Complex at SGCCRI boasts of 5 state of the art Modular operating rooms armed with laminar flow Technology complying to stringent NABH standards. There is an 8 bedded Surgical ITU annex for monitoring of patients after complicated surgeries. Having received generous grants from prestigious organizations and individuals, the OT boasts of the following facilities:-

1. Four advanced anesthesia workstations with inbuilt ventilator and vaporizer.
2. Equipment to manage difficult airway (Mc Coy laryngoscope blade, fibre optic bronchoscope with video attachment etc.) and ensure smooth anesthetic intubation.
3. Multipara monitors with facilities for cardiac monitoring (CVP, NIBP) during surgery and also recovery room monitors.
4. Syringe pump, pressure bag, fluid and body warmers.
5. State of the art surgical equipment like CUSA, Harmonic scalpel, Intraoperative USG, Radio Frequency Ablation and Tissue Link have made complex liver, pancreas and esophageal surgeries for cancer achievable with satisfactory outcome.
6. HD Laparoscopic set, Ligasure and Advanced Urology equipment (Courtesy : Indian Oil Petronas)
7. Operating Microscope, Oscillating Saw and microvascular instruments to facilitate reconstructive surgery after major oncologic resections.
8. Hydraulic Patient Transfer Bed to ensure smooth patient transit to and from the OT.
9. An advanced Endoscopy Unit equipped with Upper GI Endoscopy, Colonoscopy, ERCP, Bronchoscopy, Fibre optic Laryngoscopy, nasal Endoscopy for all kinds of diagnostic and therapeutic endoscopic needs. The unit caters to a high volume of patients and is increasing its activities every year.

These facilities are backed by a committed team of surgeons, anaesthetists and OT, ITU & Endoscopy staff who are adequately trained to execute the complex procedures with dexterity and optimal outcomes.

Addition of anesthesia facilities to the Radiotherapy Unit with an anesthesia workstation, multipara monitor with projection in slave monitor outside the suite, and CCTV Cameras will bring more convenience in handling patients receiving External Beam Radiotherapy and brachytherapy.

The children and restless patients will also benefit from this new facility of anaesthesia in Radiotherapy Dept.

Overall Performance during 2017-18

	TYPES OF PROCEDURES	Nos
BIOPSIES	General TRUS guided biopsy	672
MINOR OPERATIONS	Various minor operations under L/A or G/A	5 62
	HEAD & NECK SURGERY (includes radical procedures for different oral cancers, plastic reconstructions, laryngectomies, thyroidectomies, radical neck dissection,)	185
MAJOR & SPECIAL OPERATIONS	BREAST SURGERY (Includes Breast conservation and Oncoplastics , Radical and Modified Radical procedures)	181
	GASTRO INTESTINAL SURGERY (Includes different operative procedures for cancers of the digestive organs mainly stomach, esophagus, pancreas, liver, intestine inclusive of rectum and other abdominal tumors – both open and laproscopic)	169
	GENITO URINARY SURGERY (Includes operations for male genitalia, kidney, urinary bladder, prostate and transurethral procedures)	77
	GYNAECOLOGICAL SURGERY (includes surgeries for uterus, cervix, ovary and vulva)	61
	OTHERS (Includes various others procedures like Thoracic Surgery, wide excision of tumour, amputations, plastic operations for skin cancers etc.)	48
	TOTAL	721



	TYPES OF PROCEDURES	Nos
ENDOSCOPY	Cystoscopy	296
	Colposcopy	28
	Bronchoscopy	59
	Colonoscopy	430
	UGI Endoscopy	571
	Laryngoscopy	758
	Nasal Endoscopy	161
	E.R.C.P. stenting	94
	Endoscopy Guided Stenting	
	Oesophageal (08), Duodenal (18)	26
	Endoscopy guided Ryles Tube Insertion	63
	FOL Ryle's Tube Insertion	125
	Polypectomy	11
	Colonoscopic dilatation	05
	UGI Dilatation	27
	EVL	01
TOTAL	2655	
GRAND TOTAL	MINOR & MAJOR SURGERIES & ENDOSCOPY	4115

Performance of Surgical Oncology Dept.

	TYPES OF PROCEDURES	2015-16	2016-17	2017-18
BIOPSIES	General	572	521	672
	TRUS guided biopsy	11	12	5
MINOR OPERATIONS	Various minor operations under L/A or G/A	228	254	62
	HEAD & NECK SURGERY (includes radical procedures for different oral cancers, plastic reconstructions, laryngectomies, thyroidectomies, radical neck dissection,)	252	272	185

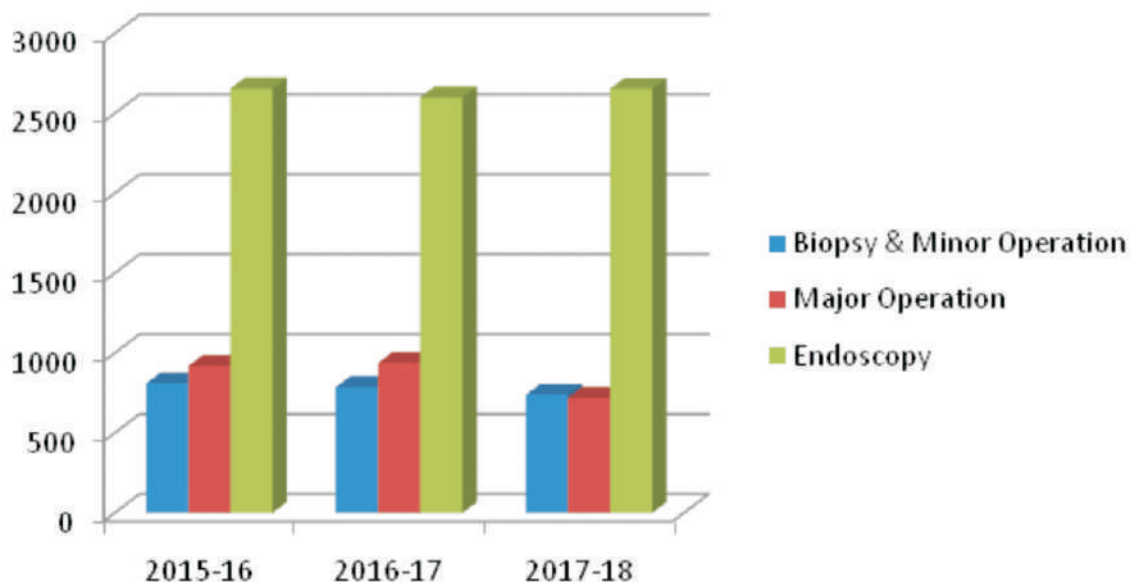
MAJOR & SPECIAL OPERATIONS	BREAST SURGERY (Includes Breast conservation , Radical and Modified Radical procedures)	227	206	181
	GASTRO INTESTINAL SURGERY (Includes different operative procedures for cancers of the digestive organs mainly stomach, esophagus, pancreas, liver, intestine inclusive of rectum and other abdominal tumors – both open and laproscopic)	192	191	169
	GENITO URINARY SURGERY (Includes operations for male genitalia, kidney, urinary bladder, prostate and transurethral procedures)	98	109	77
	GYNAECOLOGICAL SURGERY (includes surgeries for uterus, cervix, ovary and vulva)	83	104	61
	OTHERS (Includes various others procedures like Thoracic Surgery, wide excision of tumour, amputations, plastic operations for skin cancers etc	57	57	48
ENDOSCOPY	TOTAL	920	939	721
	Cystoscopy	333	292	296
	Colposcopy	24	36	28
	Bronchoscopy	63	85	59
	Colonoscopy	355	388	430
	UGI Endoscopy	652	561	571
	Laryngoscopy	802	768	758
	Nasal Endoscopy	164	157	161
	E.R.C.P.	86	118	94
	Endoscopy Guided Stenting	00	01	00
	Oesophageal + Duodenal	30	30	26
	Endoscopy guided Ryles Tube Insertion	75	67	63



	FOL Ryle's Tube Insertion	36	57	125
	Polypectomy	10	04	11
	Colonic Stenting	03	03	00
	Colon DL	00	07	05
	UGI Dilatation	24	27	27
	EVL	00	01	01
	TOTAL	2657	2602	2655
GRAND TOTAL	MINOR & MAJOR SURGERIES & ENDOSCOPY	4377	4328	4115

Performance of 3 years of Surgical Oncology Dept.

Parameter	2015-16	2016-17	2017-18
Biopsy & Minor Operation	811	787	739
Major Operation	920	939	721
Endoscopy	2657	2602	2655



Future Plan:

- Increase patient turn-over by optimizing bed and operation theatre utilization
- Increasing presentations and publications from the department

A.4.3. Department Of Medical Oncology

- The Medical Oncology department comprises of the DAYCARE centre, Outpatient facilities and indoor admission facilities.
- The DAYCARE centre deals with patients who are discharged on the same day after completion of chemotherapy. The DAYCARE centre is also equipped to perform emergency procedures like ascitic fluid and pleural fluid drainage. An average of 70 patients are seen daily, 6 days a week. The patient pool comprises of new patients, patients currently undergoing chemotherapy and patients on follow up. Medical Oncology team decides what chemotherapy is to be given, the schedule and the number of cycles. The line of management is decided by Multidisciplinary Tumour Board.
- A Specialist Sister In-charge has been deputed in order to facilitate the chemotherapy administration. Queries of patients and caregivers regarding timings, appointments, investigations are being dealt very nicely. This has definitely increased patient and caregiver satisfaction.
- An important and patient friendly strategy is the administration of ultra short duration of chemotherapy drugs, growth factors, bisphosphonates, hormonal analogues in the second half, thereby reducing long waiting hours.
- Extending the day care hours has made it possible to administer some very long and intense protocols (>5hours) on a single day. However the charges have been kept nominal. This has led to a greater availability of Indoor beds for surgical and emergency patients and is immensely saving time of the attendants and caregivers who accompany the patients for chemotherapy.
- Overall the comfort level of the patients has definitely improved. It is now a centrally airconditioned unit with soft relaxing music running in the background. Recently a small library has been installed within the day-care to keep patients engaged during chemotherapy. Books on improving patient awareness and care during treatment of cancer, written in very simple language are readily available.
- Thanks to the free counseling offered by NGO "Hitaishini" for breast cancer affected patients. There are numerous breast cancer survivors who have health-related issues. All these are addressed by Hitaishini, The dept. of Psychology offers counseling for patients of all categories. The anxieties related to adverse effects of chemotherapy are effectively dealt with. This really has boosted the spirit and determination of patients.
- Regular dietary counsellings for patients on chemotherapy have been initiated. Nutrition is an important part of treatment which oncologists tend to ignore. Additional nutritional advice has definitely improved the body weight and physical well being of some of the patients.
- The Medical Oncology dept works in a very coordinated fashion with the Dept of Pain & Palliative Care for quick symptom relief even if the patients are in early stage.
- Hand held printouts depicting the DO's and DONT's for patients undergoing chemotherapy are being distributed to every single patient from the Day-care. This has taken care of most of the queries from patients and caregivers.



- Every patient undergoing chemotherapy is provided with emergency helpline numbers to resolve issues pertaining to chemotherapy. This saves time and travelling.
- The department designs protocols for adult patients having solid tumors and a few pediatric patients with refractory non-hematological malignancies.
- Periodically the department has been involved in “Train the Sisters” program. The sisters are taught basics of anticancer drugs, how to improve chemotherapy administering skills and combat spillage of toxic drugs.
- Apart from chemotherapy, Biologics, targeted agents and iron infusion are also being given from the Day-care facility.
- DrSomdutta Singh and DrMoumitaMaity have joined the department. Holiday rounds are prefixed to avoid inconvenience to the patients.
- Greater number of patients with stage III A Non-Small Cell Lung Cancer are getting concurrent chemoradiation, a joint effort of the Depts. Of Radiation Oncology and Medical Oncology. The numbers were less in the previous years.
- Greater use of chemoport devices. This device is mainly used for patients who need long infusions and long-term chemotherapy.
- Once monthly departmental meetings are conducted to improve quality of service and better evidence based management. Case based discussions and short Oncology presentations are carried out every month.
- The department has access to continuous supply of latest edition of Peer Reviewed Journals, common journals being Annals of Oncology, Lancet and Journal of Clinical Oncology.
- Dr M Kar, DrKetakiMaitra and Dr Rakesh Roy have been invited as Speaker or Panelist in several national Cancer Symposiums. They also serve as active members of different prestigious advocacy bodies. The department is currently pursuing cancer treatment based research.
- The Medical Oncology department has also been involved in Global Clinical Trials in Lung Cancer.

WHAT'S NEW?

- Biosafety Cabinet: ensures mixing and preparation of chemotherapeutic agents in a safe and sterile environment.
- Compartmentalization of the Day-care area : Consultation area and drug administration area are separated with a glass partition ensuring constant monitoring of patients undergoing chemotherapy.
- Specialized automated and adjustable couches for easier administration of chemotherapy are going to be installed. These couches save space and facilitate higher number of procedures.
- Updated AJCC staging charts and chemotherapy manuals are available.
- The department has been involved in high quality clinical research work which has received recognition in the form of acceptance for oral presentation in national symposiums.
- The latest addition in treatment of cancer care – “ Immunotherapy” has been recently initiated. Immunotherapy is the future of cancer chemotherapy.



FUTURE PLAN

- Keeping in mind to provide total comfort to the patients, the department will replace beds with couches.
- Dedicated Pharmacy for Medical Oncology to provide quick supply of Quality medicines at subsidized rate.

Total number of patients receiving chemotherapy at DayCare 2017-2018

April 2017	477
May 2017	510
June 2017	488
July 2017	481
August 2017	515
September 2017	527
October 2017	383
November 2017	439
December 2017	421
Jan 2018	466
February 2018	426
March 2018	501
Total	5634

Total number of new patients registered under Medical Oncology 2017-2018

April 2017	18
May 2017	28
June 2017	18
July 2017	30
August 2017	22
September 2017	24
October 2017	17
November 2017	38
December 2017	22
Jan 2018	19
February 2018	23
March 2018	18
Total	277



Total number of patients (new and old) consulting Medical Oncology 2017-2018

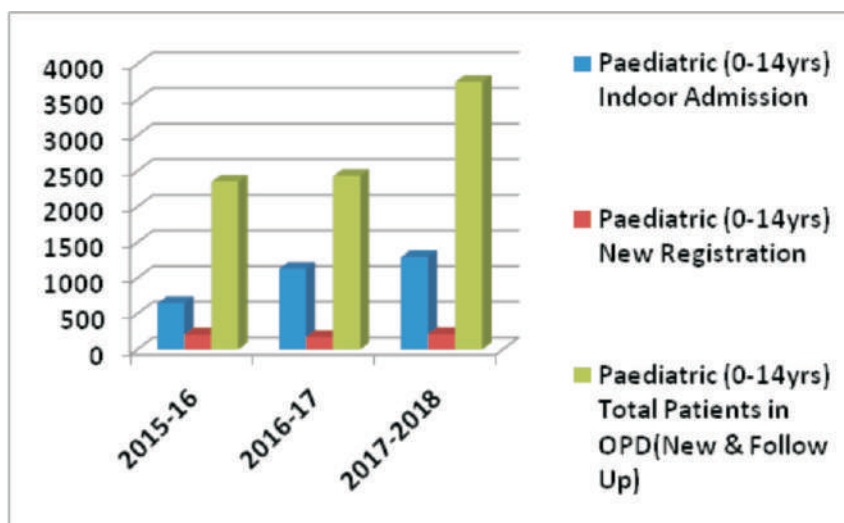
April 2017	530
May 2017	521
June 2017	626
July 2017	518
August 2017	577
September 2017	525
October 2017	488
November 2017	637
December 2017	623
Jan 2018	498
February 2018	585
March 2018	677
Total	6805

Paediatric (0-14yrs) patients services for the year 2017-2018

Parametres	Age(0-14)	Male	female	Total
Indoor admission				
New Registration				
Total Patients In OPD (New& Follow Up)				

Year Wise Paediatric (0-14yrs) 3 Yrs Table and Bar Chart:

Age Group	Parameter	2015-16	2016-17	2017-18
Paediatric(0-14yrs)	Indoor Admission	650	1135	1296
Paediatric(0-14yrs)	New Registration	210	179	217
Paediatric(0-14yrs)	Total patients in OPD(New&Follow-up)	2355	2455	3755



New Registration

West Bengal	Neighbouring (NBS)	Neighbouring Countries(NBC)	State Total
127	38	52	217

Majority of the registered patients were having hematological malignancy followed by malignant bone tumors, brain tumors and soft tissue tumors.

Future Plan For Paediatric Unit:

- Paediatric Oncosurgery unit including CTVS service
- Rehabilitation and long term follow up clinic – (once a month comprising of specialties like
 1. Audiometry
 2. Ophthalmology
 3. Endocrinology
 4. Neurology (Paediatric)
 5. Cardiology (Paediatric)
 6. Psychology
 7. Dentistry

Notable activities of Paediatric Oncology Division (2017-2018)

Celebration held between financial year 2016-17

1. Regular monthly birthday Celebrations by various well wishers. (12 in 12months)
2. Story telling session by NGO – Wc3
3. Bengali New Year celebration in the month of April 2016
4. World Health Day Celebration in the month of April 2016
5. Stamp releasing by Indian Postal Service of our survival children
6. Rabindra Jayanti Celebration May-2016



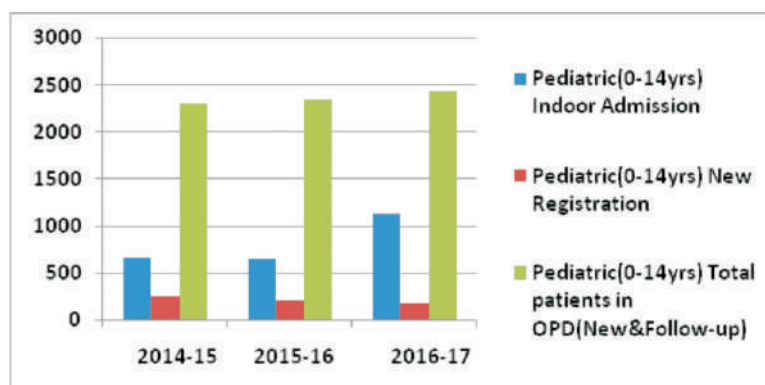
7. International Nurses Day Celebration May-2016
8. Movie Screening 'Jungle Book' on June 2016
9. World Environmental day Celebration in 06/06/2016
10. Doctor's Day Celebration July 2016
11. Dance Recital by one of our Osteosarcoma Survivor at Nazrul Mancha 01/07/2016
12. Celebration of Friendship, Rakshabandhan, Janmastami and Rathayatra on August-2016
13. Independence Day Celebration
14. Shooting of Play "Juto Abiskar" by our patients for wc3 NGO, Cultural Programme With distribution of Hygiene Kits, sit and draw competition (pre Durga puja) on September-2016
15. Diwali Celebration, Bijaya sammilani with kids and presents on October-2016
16. Sit and draw competition on November -2016 as childrensDay
17. Christmass Day Celebration
18. Drawing competition with prize distribution at Tulika Art Gallery on January -2017
19. World Rotaract Day Celebration on February -2017
20. World cancer Day Celebration with symposium and cultural programme, prize distribution to meritorious students. Student assistance programme by Rotary Club on march-2017
 In between April-2016 to March-2017
 Enrolled 10 patients for Inpog-HL-15 study.
 Enrolled 8 patients for HOPE study
 Ongoing study in Paediatric Oncology as a part of Pan-India multicentric Prospective study.

Our Paediatric (0-14yrs) patients services for the year 2017-2018

Parametres	Age(0-14)	Male	female	Total
Indoor admission		711	424	1135
New Registration		112	67	179
Total Patients In OPD(New& Follow Up)		2009	426	2435

Year Wise Paediatric (0-14yrs) 3 Yrs Table and Bar Chart:

Age Group	Parameter	2015-16	2016-17	2017-18
Paediatric(0-14yrs)	Indoor Admission	661	650	1135
Paediatric(0-14yrs)	New Registration	243	210	179
Paediatric(0-14yrs)	Total patients in OPD(New&Follow-up)	2312	2355	2455



New Registration

West Bengal	Neighbouring (NBS)	Neighbouring Countries(NBC)	State Total
104	30	45	179

Majority of the registered patients were having hematological malignancy followed by malignant bone tumors, brain tumors and soft tissue tumors.

Notable activities of Pediatric Oncology Division (2016-17)

Celebration held between financial year 2016-17

21. Regular monthly birthday Celebrations by various well wishers. (12 in 12months)
 22. Story telling session by NGO – Wc3
 23. Bengali New Year celebration in the month of April 2016
 24. World Health Day Celebration in the month of April 2016
 25. Stamp releasing by Indian Postal Service of our survival children
 26. Rabindra Jayanti Celebration May-2016
 27. International Nurses Day Celebration May-2016
 28. Movie Screening ‘Jungle Book’ on June 2016
 29. World Environmental day Celebration in 06/06/2016
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 31. Dance Recital by one of our Osteosarcoma Survivor at Nazrul Mancha 01/07/2016
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- In between April-2016 to March-2017

Enrolled 10 patients for Inpog-HL-15 study.

Enrolled 8 patients for HOPE study

Ongoing study in Paediatric Oncology as a part of Pan-India multicentric Prospective study.

▪ **Bone Marrow Transplant Unit:**

The bone marrow transplant is functional since August 2012. Till date, a total of 50 cases of autologous transplantation have been done in this unit (Multiple Myeloma - 40, Relapsed NHL - 3, Acute Promyelocytic Leukemia - 1, Relapsed HL - 3 and Plasma Cell Leukemia - 1). 6 BMTs have been performed between Nov 2017 to Oct 2018 (Multiple Myeloma 5, Hodgkin Disease 1). Majority of Multiple Myeloma patients are doing very well and 22 out of 25 Multiple Myeloma patients are found to be in complete remission at the last follow up. It is also important to note that during this period, the BMT unit has been well utilized for isolation and barrier nursing for the management of high risk patients like AML and Aplastic Anemia. There are many more patients lined up for Autologous Transplantation to be done early next year. Our goal is to keep up the good work and to start working on allogenic Transplant program that is where the future of Bone Marrow transplantation lies.

We remain grateful to Mr.S.S. Mukherjee for funding our BMT Unit in memory of his wife Mrs. Bithika Mukherjee. We also acknowledge the support of Indo American Cancer Association for training Dr. Partha P.Gupta in Gujarat Cancer Research Institute & thereafter in the USA.

In order to advance & further to equip the unit we have already procured another Cell Separator from the grant we received from Mr. S.S. Mukherjee. We also have received grant for a Blood irradiator from DAE.

Joining of 2 DMs in Haemato-oncology – Dr Debmalya Bhattacharya and Dr Tusti Ganguly have given a major boost to Haemato-Oncology Department both adults & children.

We hope that very soon our centre will become a recognized referral centre in Eastern India for BMT.

Bone Marrow Transplant

Diagnosis	No. of Cases
Multiple Myeloma	40
Hodgkin Lymphoma	5
Non Hodgkin Lymphoma	3
APML	1
Plasma Cell Leukemia	1
Total No.	50

ACTIVITIES OF THE REGIONAL RADIATION MEDICINE CENTRE, VECC, YEAR-2017-18

Introduction:

The Regional Radiation Medicine Centre (VECC), Kolkata was set up by the Department of Atomic Energy in the year 1989, in collaboration with the CCWHRI (now SGCCRI), Thakurpukur.

The present activities of the RRMCC include in-vivo nuclear imaging, in-vivo non- imaging studies, and radionuclide therapy.

Nuclear Imaging:

At the RRMCC Nuclear Imaging is performed on the Dual Head Gamma Camera with SPECT facilities (INFINIA).

Routine static imagings performed include Whole Body Skeletal, Thyroid, Liver, Renal cortical and Large Dose I-131 Scans.

Routine dynamic imaging being performed include Renal Dynamic study, Hepato-biliary, GI bleeding study, 3-phase skeletal imaging, etc.

SPECT studies of the skeletal system are also being performed sometimes.

Occasionally more sophisticated studies like, Breast Imaging, Parathyroid Imaging, Neuro-Endocrine Tumor Imaging are also being carried out.

Radio Nuclide Therapy:

- Low dose I-131 therapy of Thyrotoxicosis (up to 30 mCi of I-131)[on OPD basis] is being carried out regularly.
- High Dose I-131 therapy (upto 150 Mci) for Cancer Thyroid patients is, also being carried out regularly.
- A total of 52 no. of patients of Cancer of Thyroid were administered I-131 therapy at RRMCC during this year (on IPD basis).

No. of patients who underwent various types of nuclear imaging at RRMCC during the FY year 2017-18 is presented in the following table:

Name of scan	No. of Scans
Bone	192
Renogram	324
Thyroid	158
I-131 Large dose	137
Hepato-Biliary	38
DMSA	112
Other	17
Total	981



A.4.5 Department of Radiology:

The volume of all imagings (USG, CT Scan, Digital X-rays, Mammography, Color Doppler, Echocardiography etc) has increased. Interventional Radiology in the form of Image Guided RFA, PTBD, Core Needle biopsies, and Pigtail catheter insertions are routinely done.

A PET-CT Scan and an MRI unit became functional from September 2014. Addition of these two units, in collaboration with M/s EKO, has completed the list of radio-diagnostic equipments that befits a comprehensive Tertiary Cancer Center.

Recently our old CT Scan Machine has been replaced by 16 Slice Siemens make Somatom Spiral CTScan Machine through CSR Grant from Indian Oil Petronas Pvt. Ltd

The following table shows the work-load of the services of this department for the year 2017-18.

SERVICES	No of Patients
Conventional Radiology	7,652
Ultrasonography	3,481
Echocardiography	4,519
CT Scan	5003
PET-CT Scan	1511
MRI	892

The CT Scan unit of our Institute needs special mention. Apart from Diagnostic CT Scans, it also performs all the Radiotherapeutic planning and CT-Guided FNAC & Trucut (Core-Needle) Biopsy procedures. The work load of the CT scan unit is shown in the following table.

Month/Year	CT Scan	CT Guided FNAC & Tru - cut	RadiotherapeuticPlanning
April/2017	343	59	41
May/2017	339	74	43
June/2017	357	57	52
July/2017	456	63	40
August/2017	384	61	43
September/2017	307	30	30
October/2017	388	37	36
November/2017	411	51	57
December/2017	348	42	31
January/2018	354	34	41
February/2018	386	54	42
March/2018	359	46	53
TOTAL	4,432	608	509

CT Scan	4,432
CT guided FNAC & Tru-cut	608
Radiotherapeutic Planning	509
TOTAL	5,549

Month/Year	X-RAY		USG	ECHO
	Patients	Exposure		
April/2017	682	897	284	345
May/2017	771	1023	337	435
June/2017	627	834	277	344
July/2017	784	997	336	444
August/2017	637	853	314	437
September/2017	489	654	198	312
October/2017	618	817	261	373
November/2017	647	829	303	407
December/2017	600	835	267	371
January/2018	614	871	297	327
February/2018	576	787	322	397
March/2018	607	837	285	327
TOTAL	7652	10,234	3,481	4,519

Future Plan:

Bone Densitometry machine (Dexa scan) to assess Osteoporotic changes and also a **Portable mammogram machine** (i- Breast) are ready for installation.

A.4.6 Department of Pathology:

Highlights

- The Immunohistochemistry section has increased its workload as well as the number of markers tested. We are now able to offer a comprehensive panel of diagnostic markers especially for lymphomas and soft tissue tumors
- There is successful installation of a new instrument - "VITROS EciQ/ Eci Immunodiagnostic System" of Ortho Clinical Diagnostics with proper validation in the Biochemistry department. The following parameters are intended to run on this system :
 - o 1) Thyroid profile (including TT3, TT4, Free TSH)
 - o 2) TUMOR MARKERS
 - o This instrument is based on Enhanced Chemiluminescence technology & is fully automated immunodiagnostic system with wide range of assays related to endocrinology, oncology, cardiology etc. The Enhanced Chemiluminescence technology leads to better sensitivity, specificity & accuracy in the assays performed. The assay timing is less compared to other system hence it can improve Turn Around Time & it will help to report emergency samples in time.



Haematology	89,367
Clinical pathology	2,675
Histopathology	16,120
Microbiology	7,040
Immunohistochemistry	6,060
Biochemistry (including tumor markers)	2,06,330
FNAC(Direct-484; CT guided- 234; USG guided-233)	951
Slide Review	9,281
PAP Stain	254
Serology(HBsAG,HIV,HCV&Others)	17,220

- **New Addition:**

- **Automated Tissue Processor:**

This enables step by step processing through several reagents in a programmed fashion using pre-determined timings in order to ensure standardized block preparation; this speed up the sequence and also eliminates the imperfections that often result from manual processing. Thus good quality Biopsy report can be obtained in a minimal possible time both of which are essential in accurate staging and diagnosis of cancer, thereby treatment and outcome can be precise. We are grateful to Rtn Dr Krishnendu Gupta (President Rotary Club of Calcutta Victoria) Immediate Past DG Rtn B G Kundu and our President Rtn Jayanta Chatterjee for funding this expensive equipment under the Rotary Global Grant.

A.5. Important activities of our major ancillary services

A.5.1. Nursing Services

Nursing department plays an important role in health care delivery system and is an essential part of the health care team. The main objective of the department is to provide holistic nursing care (Preventive, Curative, Promotive and Rehabilitative) to ailing patients with unflinching dedication. This is done through proper planning, organizing and co-ordination.

The department maintains good liaison with various departments like diagnostic, therapeutic and supporting wing for smooth and flawless functioning of the hospital.

Supervisory efforts of the department are directed towards patient's bedside nursing care, hygiene and sanitation, biomedical waste management, infection control, linen and laundry, store indent, inventory control, Patients' diet and proper distribution of staff nurses and other categories of healthcare workers in all the departments and wards.

Counseling of patients and their family members, rendering co-operation and co-ordination in organizing customary social functions are some of the aspects of nursing services. This department imparts oncological nursing orientation training to student nurses of different schools and colleges of Kolkata and other parts of W.B.

Our own nurses of all categories receive orientation and continuous nursing education program regularly. The nurses attend many in-house training on infection control, bio-medical waste disposal, HMIS, NRT Clinic, Fire Safety, Chemotherapy and blood transfusion, Palliative Care, BMT and Hemato-oncology.



This year, a total of 18 schools and colleges from outside attended oncological nursing training program at our hospital.

Many sisters-in-charge and some of the senior nurses attended many important National and International workshops and seminars in our own hospital as well as in other hospitals. This year 2 staff nurses have undergone two weeks training in palliative care in our hospital and they are posted in palliative care ward to provide good palliative care to our terminally ill patients and their families.

Our department is run by competent senior nurses and staff nurses, sevikas and nursing aides who help us render nursing care to our patients in indoor and outdoor sections. Our trained palliative care nurses carry out homecare services along with our medical team regularly.

The hospital Nursing Dept. in line with its quality improvement program had formed an Infection Control Committee with a sister in-charge and 2 nurses for constant review of hospital ward functioning. Nurses were also trained on Basic life support and Advanced cardiac life support. Regular training on Paediatric Nursing and awareness programmes are scheduled for quality improvement.

SL.NO.	DESIGNATION	HEADS
01	Nursing Superintendent(N.S.)	1
02	Deputy Matron	2
03	Assistant Matron	1
04	Night Supervisor	3
05	Sister In charge	17
06	Sevika (IPD+OPD)	83
07	Nursing Aid	42
08	Staff	138
09	Nurses1 Trainee GNM	8
	Total	295



A.5.2 Transfusion Medicine Service (Blood Bank)

The Blood Bank is fully operational now. The following table gives a glimpse of the activities of our Blood Bank.

Banking Blood Services for FY 2017 – 18

(All figures are in Units)

Camp	donor	In-House		Total		Whole Blood				Component Prepared			Rejection			Issue					
		Collection	3	Collection	536	WB	104	PRBC	432	FFP	432	RDP	200	Total	30	WB	1138	62	379	259	FFP
9	533	2	608	53	555	555	555	555	555	264	1427	80	1347	73	468	350	211	1102			
10	606	1	603	47	556	556	556	556	556	299	1458	75	1383	71	562	238	286	1157			
4	264	1	265	26	239	239	239	239	239	130	634	68	566	32	338	202	90	662			
11	838	0	838	116	722	722	722	722	722	308	1868	51	1817	54	474	253	227	1008			
7	276	1	277	8	269	269	269	269	269	248	794	83	711	53	392	233	226	904			
11	615	15	630	31	599	599	599	599	599	279	1508	74	1434	11	280	189	275	755			
6	499	15	514	10	504	504	504	504	504	338	1356	119	1237	25	562	246	332	1165			
9	544	2	546	13	533	533	533	533	533	381	1460	253	1207	14	491	256	312	1073			
16	732	1	733	2	731	731	731	731	731	352	1816	83	1733	0	515	117	266	898			
11	688	0	688	0	688	688	688	688	688	273	1649	159	1490	0	463	226	248	937			
8	474	1	475	0	475	475	475	475	475	235	1185	184	1001	0	641	250	208	1099			
111	6671	42	6713	410	6303	6303	6303	6303	6303	3307	16323	1259	15064	395	5565	2819	2875	11654			

B) Special Procedures

2017-18	Apr 17	May 17	Jun 17	Jul 17	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Total
Blood Grouping	231	269	143	190	191	123	161	175	144	165	176	183	2151
Platelet-pheresis(SDP)	1	2	0	5	7	2	0	1	3	1	3	2	27
Coombs Test(DCT/CT)	1	2	2	2	3	1	1	2	3	2	5	0	24
Stem-cell Harvest Autologous	0	6	0	2	3	2	0	0	1	0	2	3	19
Therapeutic Phlebotomy	0	1	1	0	2	2	0	1	0	0	0	0	7

Pain Clinic and Palliative Care Services

The word “Palliative” has originated from the word “PALLIUM” meaning a cloak. The idea was to cover the symptoms of patients suffering from lethal diseases with this discipline.

The concept of Palliative Care existed in this Institute from the time of inception. The original name of this Institute – “Cancer Centre & Welfare Home” , the brain-child of Late Dr Saroj Gupta, the Founder of this Institute bears testimony to the fact that the entire endeavour of this Welfare Home was oriented towards providing the facilities of Cancer Treatment and Palliative Care to the under- privileged masses.

A 4-bed “Cottage of Peace” was established in our premises in the very early period of its development. This was truly a “Hospice”. This Unit was inaugurated by the very respected Mother Teresa. Dr Gautam Bhattacharjee, one of our radiation oncologists was sent to Oxford – the abode of Palliative Care. He was extensively trained in Oxford and on his return, the Palliative Care services of this centre was initiated in 1992.

This Institute obtained license from the Drug Control and Central Excise Department for procurement (MD-3), stocking and distribution (MD-6) of oral morphine. With the help of voluntary services from other doctors of Radiation Oncology Department, this unit started functioning smoothly. It provided services like pain control (acute and chronic pain relief in accordance to WHO guidelines) and free distribution of oral morphine to out-patients and in-patients. More than 800 patients used to avail this service every year in the initial years. The Department of Anaesthesia contributed immensely in achieving pain control with the help of spinal and local blocks under C-arm image guidance. Neurophysicians and Neurosurgeons from various centers were sometimes consulted.

The management decided to further upgrade this department. On 2nd August 2010, under the patronage of Indo American Cancer Association a revamped Palliative Care unit was inaugurated with recruitment of new staff. Dr Gautam Bhattacharjee was made the HOD and Dr Rakesh Roy, the acting incharge of this department was selected for specialized hands on training at PALLIUM INDIA (Mecca of Palliative Care in India) under the mentorship of the icon in Palliative Care - Dr MR Rajagopal. Dr Roy was also bestowed with the prestigious Commonwealth Scholarship and ASCO IDEA Award for pursuing Palliative care training abroad.

Since then this department has gone from strength to strength. The existing services were further enhanced. The number of referrals from other departments and hospitals increased. The message of palliative care spread in the community and more and more terminal cancer patients started getting the blessings of Palliative Care in West Bengal. The resurgence in Palliative Care services in West Bengal was mainly because of this Institute.

At the moment, The Palliative Care Departments has following spheres of activities:

- OPD Service and free distribution of morphine
- Indoor Service and free medicines to very poor patients
- Free Domiciliary Care Service
- Interventional pain control service for relief of intractable neuropathic pain.
- Teaching professionals



- Educating nurses and community health workers
- Holding awareness camps
- Policy making
- Organizing symposiums and workshops (National and International repute)
- Sending Nurses to Pallium India for nursing training in Palliative Care.

Bed charge of the Palliative Care Department has been kept at a nominal rate. Consultancy is free. We aim to stabilize the patient and try to send them back home with necessary instructions. In a few cases we try to provide continuum of quality care through home based care. This department received wholesome support in the initial stages from Indo-American cancer Association for smooth functioning of OPD and providing morphine totally free of cost. GCCI (Global Cancer Concern India) assisted us initially in our free domiciliary care services by providing fuel costs for running the vehicle and distribution of free medicines to needy patients. "Helpage India" donated the Domiciliary Service Ambulance and the radius of operation was 20-25 kms.

The success story of this department lies in the fact that the morphine usage rose exponentially in the last few years and there has been a dramatic change in the community's outlook towards morphine with a 21% increase in annual consumption.

Special Milestones

- We have now expanded our Palliative Care indoor services in the top two floors of a new 4- storeyed building with all the modern facilities for comprehensive care. There is a seminar hall and a library to conduct academic sessions. This unit was formally inaugurated on 22nd December 2012. Dr Kiran Sharma from National Health Trust (UK) spent 3 long months in the campus to give shape to the teaching curriculum.
- The 6 week course in Pain and Palliative Care for Doctors, nurses and social workers /volunteers started from Jan 2013 at SGCCRI. This was in collaboration with Pallium India, Kerala and UK based THET organisation. Thanks to the efforts of Dr S S Mitra and Dr M R Rajagopal. This educative course is offered free of cost to representatives from the government sector. On public demand we simultaneously introduced the 10 day course for Doctors, nurses, volunteers and social workers which received a wonderful response. The participants are provided hands-on training in palliative care and pain management along with training in communication skills, ethical issues, narcotic drugs and regulations, end of life care, symptom management, home based care training. National and international faculties deliver lectures. Study kits, textbook and handouts are provided to the students for better dissemination of knowledge.
- The Global Access to Pain Relief Initiative (GAPRI) is also going on in full swing from March 2013. This is a project in collaboration with Pallium India to achieve a pain free hospital and we are proud to announce that our hospital is one of the few institutes in India to have been bestowed with this responsibility. As a part of the project a monthly survey is made on the average pain scores of admitted patients and tallied with monthly morphine consumption.
- EIPC (Eastern Indian Palliative Care) has been working in close collaboration with SGCCRI Palliative Care

Department to spread more Palliative Care Services in the state of West Bengal. The Staff of EIPC was trained by SGCCRI Palliative team.

- Celebrating World Palliative Care Day each year in the month of October, has been one of the special features. The purpose is to make community aware about the noble services offered by this stream.
- The Palliative Care Department of this Institute undertook a collaborative research with Medical University of South Carolina (MUSC), USA to explore the scope of rendering navigator based palliative care services for the rural population in West Bengal. This was a pioneering study and was completed a year back.
- This department hosted GP professionals from UK to acquire hands on training in Pain & Palliative Care. This is a one complete year residential programme. The previous observers successfully published their work in prestigious forums.
- Certified by ESMO (European Society of Medical Oncology) as “ESMO Designated Centre for Integrated Oncology & Palliative Care” in 2012. Having maintained the standards since then, our centre has been reaccredited twice – 2015, 2018.

Compiled by Dr Rakesh Roy

Special Achievements in 2017 -2018

- This period was special from the point of academics. Works of Ms Sangeeta Das (Psychologist) and Ms Nibedita Panda (Social Worker) were selected for poster presentation in the annual conference of IAPC (Indian Association of Palliative Care) 2018 and also in an International Symposium of PsychoOncology.
- Dr Rakesh Roy's paper on coping strategies amongst caregivers of palliative patients was selected as an e-poster in European Association of Palliative Care (EAPC) Annual Conference, 2018.
- Dr Roy was selected as a Faculty for teaching in the IAPC operated teaching course in Kolkata this year.
- He went on to represent SGCCRI at the National Commission for Policy Making on Palliative Care 2018.

Month/Year	OPD Turnover (1)	Indoor Turnover (2)	Total Turnover (1+ 2)	Home Visits
Apr-2017	121	71	192	04
May-2017	155	95	250	06
Jun-2017	148	58	206	08
Jul-2017	128	101	229	05
Aug-2017	145	97	242	07
Sep-2017	107	68	175	07
Oct-2017	134	78	212	06
Nov-2017	148	108	256	02
Dec- 2017	140	117	257	08
Jan-2018	117	140	257	00
Feb-2018	143	52	195	00
Mar-2018	127	38	165	00
TOTAL	1613	1023	2636	53



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Apr-2017	121	71	192	04
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Jan-2018	117	140	257	00
Feb-2018	143	52	195	00
Mar-2018	127	38	165	00
TOTAL	1613	1023	2636	53

A.5.4 Cardiology Services

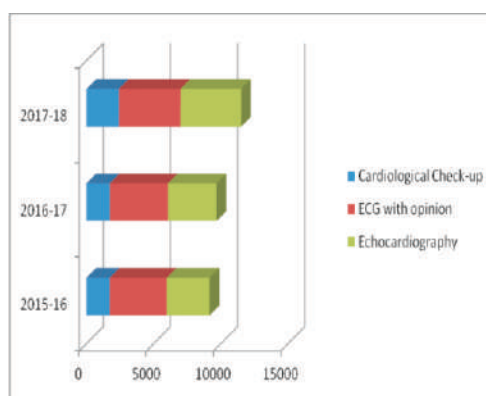
The Cardiology Department of our Institute renders an untiring service to this Institute. Almost all the adult patients are routinely referred for cardiological work-up. The OPD consultations are Free like most of our OPD services. The work-load of the cardiology department during 2017-18 is shown in the following table.

SERVICES	No. of Patients
Cardiological Check-up	2,407
ECG with opinion	4,590
Echocardiography	4,519

The department also takes active part in the overall management of patients admitted in ITU and Pediatric ITU.

3 Years Cardiology Services

Services	2015-16	2016-17	2017-18
Cardiological Check-up	1744	1748	2,407
ECG with opinion	4238	4323	4,590
Echocardiography	3182	3616	4,519



Library Information

Our Institute's Central Library is located in the Audio-Visual Complex. The service is computerized. Readers have access to Internet from this library. It stocks books and journals on Oncology and allied subject including nursing and medical technology. The library operates on the norms as laid down by the National Board of Examinations (NBE). The representatives of National Board of Examinations (NBE) regularly inspect it. Apart from the Central Library, different departments also stock books and journals for regular day-to-day reference. The Central Library also stocks popular books (fiction and non-fiction) for the use of the patients. There are two reading sections in the central Library.

Library Facilities:

- Computer with Internet facility
- Photocopier and printing facility
- Access to National Cancer Grid (NCG) Library e-Resources (OVID and Clinical Key)
- Access to Online Journal facility provided The Clinics of North America, Elsevier

Library Documentations:

- Printer, Scanner and Photo-copier
- Medical Books (Printed Books and e-Books)
- Medical Journals (Printed and Online)
- DVDs of Radiotherapy and Surgery provided by National Board of Examinations (NBE)
- DVDs and CDs on different medical subjects
- Fiction, Non-fiction Books and Magazines (Bengali, English & Hindi)
- Daily newspaper in English & Bengali

Books:

2016-17+2017-18 Medical Books		Total Fiction and Non-fiction Books		
Printed Books	e-Books	Bengali	English	Hindi
1445	2486	3027	1524	88

New Medical Books purchased 2017-18 :

Acc No	Call No	Author/editor name	Book Title	Edition	Publisher	Year
1445	616.9 WHO	Swerdlow, Steven H	WHO classification of tumours of haematopoietic and lymphoid tissues	4 th ed.	IARC	2017

Medical Journals:

Printed Journals		Online Journals	
Indian Journals	Foreign Journals	The Clinics	NCG (OVID and Clinical Key)
05	07	51	84

Medical DVDs/ Cds:

Radiotherapy (NBE)	Surgery (NBE)	Others Medical Related Subject
18	08	66



A.5.5 Alaryngeal Speech Therapy Unit

“Ashar Aalo Ma Saroda Cancer Help Line, Jamshedpur is a not profit Organization help to cancer patients and their family members. Conduct awareness camp of various places. The need of the patients of the cancer is limited to good medical treatment. The patients also need non-medical support and care for their physical, emotional and cosmetic rehabilitations.

Ujjal Sinha & Soma Sinha teaches esophagus speech treated successfully by total removal of the larynx.

From April 2016 to March 2017

No of patients =15(New + Follow up)

A.5.6 Stoma Care Services

Cancer Fight Foundation, started conducting a Free Stoma clinic at Saroj Gupta Cancer Hospital in April 2016 after the previous Stoma clinic had closed down after the sad demise of Mr K C Banerjee who had been rendering free stoma care services for more than 3 decades. Members of CFF conduct a clinic once a week on Friday from 2.00pm-4.00pm where our patients are registered and given total support, advice and counseling on how to lead their lives after their Stoma operation as this requires adaptation of a new way of life. Patients with stomas are seen in an outpatient clinic where much needed training and advice is given on Stoma care and bag maintenance. Hands-on training is given by Ms Nabanita Mukherjee, who is a full time Stoma Consultant with CFF and herself a colorectal cancer survivor.

Other CFF staffs see patients both in the clinic and during ward rounds to do any counselling or give any advice to patients such as diet and lifestyle changes which are required for those who live with stomas.

Regular nurse training sessions are conducted where both the theory of colorectal cancer and practical hands on training is given to nursing staff. Stoma care and device/ bag maintenance is a highly specialised area of nursing which is much needed as many nurses do not have this training. These training sessions are certified allowing the nurse to teach stoma care to other nurses.

In addition to CFF's stoma clinic, the organisation is also involved in providing entertainment to the Paediatric wards in the hospital.

Puppet and magic shows are arranged and at Christmas, Santa Claus comes to visit the children which put a smile on their faces.

This is a much needed service and the clinic has assisted nearly 80 patients & could train nearly 200 nurses for stoma care.

A. 5.7 Breast Cancer Support Services

“HITAISHINI” is a voluntary non-profit Breast Cancer Support Network in Eastern India. It is a forum member of Reach-to-Recovery International, Australia, and one of the founder members of Cancer Care India, New Delhi. Its member-volunteers are either breast cancer survivors or socially committed women. It runs breast clinics attached to hospitals and Cancer Centres in and around Kolkata, to provide psychological, emotional, medical and rehabilitation support to women with breast cancer. Hitaishini also conducts Awareness camps, seminars, workshops and “Walks” to propagate knowledge about breast cancer among the masses.

“Hitaishini” has been rendering its free social services to the patients of this Institute for more than a decade. The following table gives an overview of the functioning of this unit during 2017-18

1	Total patients attended & counseled	204
2	Medicinal Support	43
3	Providing breast accessories (courtesy: Necessity & Hitaishini)	46
4	Providing machine massage for lymphoedema patients	5

A 5.8 Psychological Support Service

We have a special OPD service for psychological counseling for patients and their close relations. Many patients avail the service over the year.

A.5.9 Nutritional Support Service

“NUTRITION” is a very important for life. In cancer patients, nutrition plays a major role for better survival of the patient, a faster recovery, and reduction of the physical, mental, economical stress. Nutritional Status of a patient often becomes a decisive factor in determining the therapeutics, and the treatment outcome. With the active help of our expert nutritionists, this institute helps patients before, during and after surgery, chemotherapy, radiation therapy and other treatment modalities, by regular follow up under supervision of our dieticians. We use modified nutrition therapy (MNT) for treating our cancer patients. With the help of many renowned nutritional companies, we have arranged nutrition camps with live sample demonstration, and chart poster presentation to inform the patients about proper & right nutritional foods according to their nutritional needs. We also have arranged on quarterly basis CME for discussing the new nutrition related topics with our expert doctors. We have also a dedicated dietician for our child patients supported by CUDDLES FOUNDATION (NGO based in Mumbai) which also provides nutritional supplements free to all the children both IPD & OPD child patients. We also get nutritional support for children from CAN-KIDS (Delhi).

Renovation of Patient Canteen:

With the generous donation from the Ladies Study Group our patient canteen has been completely renovated at an approximate cost of 40 lakhs. This has enabled us to store, prepare, and serve hygienic food to the patients in an economic way. Measures have been taken to periodically examine and upgrade the personal hygiene of the kitchen and serving staff also.

List of new additions:

1. Refrigerator (Industrial)	11. Automatic Fire Extinguisher
2. Industrial toaster	12. Milk Warmer
3. Freezer (2 nos)	13. Stainless Steel Rack
4. Industrial Dough maker	14. Stainless Steel Table
5. Industrial Grinder	15. Weighing Machine
6. Potato Peeler	16. New Exhaust & Air Circulation System
7. Vegetable Cutter	17. Hot food trolley
8. Industrial Rice Boiler	18. Potato, Onion container
9. Automatic Stainless Steel Kadai	19. Well Decorated Supervisors Room
10. Roti Maker	

A.5.10 Nicotine Replacement Therapy (NRT) Clinic

The Nicotine Replacement Therapy Clinic at SGCCRI, Clinic is a comprehensive effort to eradicate tobacco from masses in general, conducted by the Dental OPD, in collaboration with the Head and Neck Department and Physicians comprising of cardiologists and chest physicians. The target population is tobacco users who turn up on their own and also patient's attendants who avail of these services. It was inaugurated on 21st May 2014 with the active co-operation of Prof Chitta Chowdhury, affiliated with University of Warwick, NITTE University of Mangalore and Nara Medical University of Japan. This Clinic is conducted on Saturdays (10 am – 1 pm) by Dental OPD team which primarily assesses the person's oral hygiene and initiates referrals as required. Drives to inform and motivate people are ongoing in the form of badges, pamphlets and posters in and around the campus

On 31st May, 2017, World No Tobacco day was observed by distributing NRT leaflet & caps to the patients & attendants by hospital doctors. The program was supported by

A.6 Important activities of our Environmental Monitoring and Biomedical waste Management System.

A benevolent group of social activists formed the society in 1973. From the very beginning, they had shown keen interest of the environment of this welfare home. The soothing environment would be such that the patients could perceive it as their home away from home.

The architecture is eco-friendly and energy-efficient. The modern day concept of "Green Architecture" was followed in the premises of this institute from the very beginning-long before the very term was coined.

The architecture was very much there but it made the nature background more omnipresent. Health, Sanitation, Drainage, Disposal-everything was there and par excellence-only that they melted silently behind the whispers of nature. It meant taking a lot of extra care. However, the management never compromised with its original idea of a welfare home. We always walked the extra mile.

When the relevant Acts of environment were enacted, this Centre welcomed the proposals of the Government and became a model of Environment Monitoring and Biomedical Waste Disposal System in Eastern India. A committee headed by Prof. (Dr.) S.P. Mukhopadhyay and other qualified members was established a number of years back to monitor the parameters. After sad demise of Prof. (Dr.) S.P. Mukhopadhyay, Prof (Dr.) Arunava Majumder, Former Professor & Head, Department of Sanitary Engineering, AIIT & PH, Govt. of India succeeded him. The Hospital generated garbage and waste are segregated and disinfected by an in-house system that follows the Government guidelines. The Final disposal is made through an authorized disposal agency (Previously done by SembRamkey, which was later replaced by M/S Greentech Environment Management Pvt.Ltd. for being more economical. Both are authorized by W.B.P.C.B.)

We also periodically monitor exhaust gases, ambient air, sound level, waste water and drinking water to ensure a pollution-free environment. We have put an extra effort of microbiological monitoring of all our Operation Theaters, Intensive Therapy Units and Wards, the resultant micro lab map of the sanctity of the environment of this center and proudly show to those who visit, that SGCCRI is a phenomenon rather than a medical establishment.

On 23rd March, 2017 our senior most member of the committee Dr. Tarak Mohan Das environmentalist of the country passed away and Dr. Rajarshi Mitra, Head of the Department, Environment of Vivekananda College has been Co-opted.



DIVISION OF RESEARCH, ACADEMICS & CANCER CONTROL

The Division of Research consists of:

- Academic Section
- Records Section
- Molecular Biology section
- Epidemiological Research section
- Clinical Studies Division

Recognition:

The Department of Scientific & Industrial Research (DSIR), Government of India recognizes this Institute as a **“Scientific & Industrial Research organization (SIRO)”**. As a result of this recognition, **donation to the scientific activities of this Institute qualifies for exemption u/s 35(i)(ii) of Income Tax Act, 1961.**

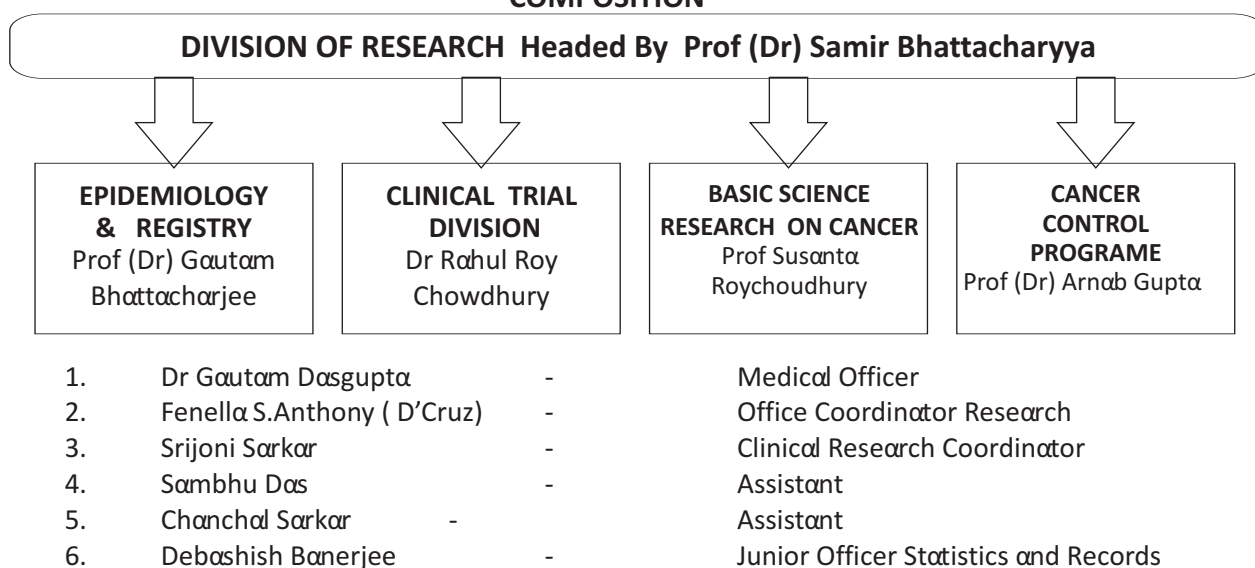
SGCCRI is a member of **Star Alliance of National Institute of Biomedical Genomics (NIBMG), Kalyani** – an Institute under Division of Biotechnology, Govt of India. A HPV DNA Lab has been established as a result of this alliance at the premises of SGCCRI in recognition of its Research Potential on HPV and HPV-related cancers. SGCCRI has an MOU with IICB (Indian Institute of Chemical Biology) for active collaborative Research. The Institutional Ethics Committee of SGCCRI is registered with the CDSCO, Drug Controller General of India, Govt. of India.

This institute is an accredited member of the National Cancer Grid (NCG), an umbrella organization of all the major cancer centers in India, under the aegis of the Atomic Energy Commission, Govt of India. The purpose of NCG is collaborative research, development of guidelines suitable for Indian patients, and better teaching facilities. This institute is a very active member of it.

The Institutional Ethics Committee of SGCCRI is registered with the Office for Human Research Protection

(OHRP) U.S. Department of Health and Human Services, 1101 Wootton Parkway, Suite 200, Rockville, MD 20852

COMPOSITION





RESEARCH ADVISORY BOARD

It is the apex body for research activities in this institute. The Board meets periodically and reviews Research activity undertaken here.

Research Subcommittee

The Research Subcommittee has 18 members and includes clinical and basic scientists. The RSC has a well-designed standard operating procedure based on the regulations laid down by DCGI (Drug Controller General of India). This subcommittee meets on every Thursday and discusses research proposals from external as well as in house researchers as also administrative issues.

Institutional Ethics Committee

Institutional Ethics Committee (IEC) was reconstituted on the advice of the Governing Body/ Managing Committee of SGCCRI, Thakurpukur, in January 2011.

An SOP for the Institutional Ethics Committee (IEC) was drafted in the first meeting of the committee, in keeping with the ICMR (Indian Council of Medical Research) and Good Clinical Practice (GCP) guidelines. The SOP was further revised in March 2013 (ver1.1) and May 2014 (ver 1.2).

In the meeting of IEC on 16th March 2013, it was unanimously decided that the IEC would have to be affiliated to CDSCO in keeping with the advice from the Drug Controller General of India under Ministry of Health and Family Welfare, Govt of India. The IEC of SGCCRI was granted approval by the CDSCO on 22nd April 2013.

There are 14 members on this reconstituted committee at present.

Clinical Trial Division

The Clinical Trial Division was constituted to deal with issues arising from regulatory trials (Drug Trials). It is entrusted with ensuring that the hospital site remains compliant with the rules laid down by the DCGI. This includes registration of sites and Principal Investigators with DCGI as well as ensuring that all research staff and PI are trained in good clinical practice, basics of clinical research, and ethics in clinical research, research management and quality assurance, and data management in clinical research.

Outline of Activities in Different Sections of Research Divisions/ Activities

In this institute the Division of Research, academic affairs and cancer control programmes are amalgamated together. The broad subdivisions are as follows:

a. RESEARCH ACTIVITIES

i. Activities on cancer epidemiology & cancer registry

- Development of an Atlas of Cancer in India (NCRP, ICMR)
- Hospital Based Cancer Registry (HBCR), SGCCRI
- Population Based Cancer Registry (PBCR), Kolkata
- Activities of Special Cell for PBCRs of NE India
- Activities under clinical studies: In house – investigator initiated trials, DNB thesis, PhD thesis with IICB, Calcutta University, IIT Kharagpur
- Multicentric Studies – involving other cancer centers and Basic science institutes
- Case Control Studies with Breast Cancer: With CFI
- Evaluation of degree of association of various parameters in Breast Cancer: With CNCI

ii. Basic and Molecular Research on Cancer

The Basic Research and Molecular Biology division of Saroj Gupta Cancer Centre and Research Institute, largely, deals with Genetics, Genomics, Epidemiology, and Cell and Molecular Biology of Cancer. We are developing translational research program in the area of cancer. The emphasis has been given on the participation of both clinical and basic scientists in the research programs. Research projects with specific clinical questions are being addressed using advanced research tools. Also, collaborative research programs with different research institutions and universities have been initiated. The funding of the research activities is being made through both extramural and intramural funds.

Going with the advancement of molecular testing for various biomarkers in the diagnosis as well as prognosis of cancer, this division is also actively involved in implementing molecular diagnostics for affected individuals. Presently, we are offering various molecular diagnostic tests to serve the sufferers of different types of cancers.

Highlights of recent achievements

- SGCCRI has been recognised as a “Sister Institute” of University of Calcutta for conducting PhD programme
- SGCCRI has been recognised by West Bengal university of Health Science for conducting PhD programme
- Prof Susanta Roychoudhury, Chief, Basic Research, has been elected as a J.C. Bose National Fellow of Dept of Science and Technology, Govt. of India
- Prof Susanta Roychoudhury has been elected as a Fellow of the India National Science Academy
- Dr Somsubhra Nath, Scientist, Basic Research, received Early Career Research Award from Science and Engineering Research Board, Govt. of India
- Dr Somsubhra Nath received an Extra Mural Research Grant from Dept of Higher Education, Science, Technology and Biotechnology, Govt. of West Bengal
- Dr Damayanti Das Ghosh received the grant under the scheme of DST-Woman Scientist A
- Dr Poulomi Khan has been awarded DBT-Research Associateship
- Ms Stuti Roy has been awarded Junior Research Fellowship from University Grants Commission-National Eligibility Test (UGC-NET)
- Mr Suryendu Saha has been awarded Junior Research Fellowship from DST-INSPIRE scheme, Govt. of India

Conferences hosted in the year 2017-2018 by Molecular Biology Dept:

- 4th International Conference on Angiogenesis Research, 21st Sept, 2017

Molecular Diagnostic services:

Under the supervision of the Basic Research and Molecular Biology division, this institute is offering the following molecular diagnostic tests In-house for cancer affected individuals:

- Qualitative and quantitative analysis of BCR-ABL fusion transcript (for CML and ALL)
- Qualitative and quantitative analysis of PML-RAR α fusion transcript (for AML)
- EGFR mutation detection (for lung adenocarcinoma)
- K-RAS, N-RAS and B-RAF mutation detection (for lung/colorectal adenocarcinoma)

Other molecular tests are done in collaboration with other nationally reputed Laboratories.

Academic activities:

- PhD programme in Cancer Cell and Molecular Biology (registration from University of Calcutta/ West Bengal University of Health Science)
- Short- and long-term summer training program in Cancer Cell and Molecular Biology



Our team

Research Investigators

1. Prof Susanta Roychoudhury (PhD, FNA, FASc, FNASc, FASc&T)
2. Dr Somsubhra Nath (PhD)

Lab Members

1. Dr Damayanti Das Ghosh (PhD, DST-Woman Scientist A)
2. Dr Poulomi Khan (PhD, DBT-Research Associate)
3. Ms Stuti Roy (Junior Research Fellow)
4. Mr Suryendu Saha (DST INSPIRE Junior Research Fellow)
5. Ms Mahasweta Acharjee (Junior Research Fellow)
6. Mrs Koyel Banerjee (Lab Technician)
7. Ms Swarnali Banik (Lab Technician)
8. Ms Rajeswari Dutta (Project Assistant)

Research Trainees (Year 2017-2018)

Name	Affiliation
Ms Ankita Rath	B-Tech (5th semester student), University of Engineering & Management, Kolkata
Mr Sayantan Ghosh	M.Sc, Dept of Microbiology, Vidyasagar University
Ms Kanika Saha	M.Sc., Dept of Biotechnology, Kalyani University
Ms Jhilmil Tewari	M.Sc., Dept. of Microbiology, St. Xavier's College
Ms Bidisha Mondal	M.Sc., Dept. of Genetics, University of Calcutta
Mr Anubhab Chakraborty	B.Tech Biotechnology, Amity Institute of Biotechnology, Amity University of Calcutta
Ms Swikriti Majumder	B.Tech Biotechnology, Amity Institute of Biotechnology, Amity University of Calcutta
Mr Sachin G Swamy [Awarded Summer Research Fellowship 2018 of Science Academies' of India]	M.Sc Integrated (2 nd yr), Yuvaraja's College, Mysore



Ongoing research grants:

1. **J.C. Bose Fellowship grant** (awarded to **Prof. Susanta Roychoudhury** from SERB, GOI) PI: Prof Susanta Roychoudhury
Duration: 2.5 yrs (2018-2021); Sanctioned amount: Rs. 46,00,000
2. **Deciphering CUEDC2-mediated molecular crosstalk between aneuploidy and receptor status of breast tumors** (Early Career Award to Dr. Somsubhra Nath from SERB, GOI)
PI: Dr. Somsubhra Nath; Co-PI: Prof S Roychoudhury, Dr. S Bhattacharyya, Dr. Arnab Gupta
Duration: 3 yrs (2016-2019); Sanctioned amount: Rs. 41,22,360
3. **Impact of BCR-ABL mutations on front-line tyrosine kinase inhibitor therapy: an Eastern Indian cohort study** (Sanctioned under Dept of Higher Education, Science, Technology, and Biotechnology, Govt of WB)
PI: Dr. Somsubhra Nath; Co-PI: Prof Susanta Roychoudhury, Dr. R.N. Ghosh
Duration: 3 yrs (2018-2021); Sanctioned amount: Rs. 27,45,284
4. **Efficacy of spindle assembly checkpoint among breast cancer subtypes: a crosstalk driven by hormone receptors (DST-INSPIRE fellowship awarded to Mr. Suryendu Saha)**
PI: Dr. Somsubhra Nath, Co-PI: Prof Susanta Roychoudhury
Duration: 5 yrs (2018-2023); Sanctioned amount: Rs. 19,60,000
5. **Study on relationship between Gain-of-Function mutant P53 and stemness as an underlying cause of chemoresistance in ovarian cancer** (DST-Women Scientist A, awarded to Dr. Damayanti Das Ghosh)
PI: Dr. Damayanti Das Ghosh; Mentor: Prof. Susanta Roychoudhury
Duration: 3 yrs; Sanctioned amount: Rs. 29,00,000
6. **Development of an algorithm based on TP53 mutation and protein biomarkers from blood plasma of high grade serous ovarian carcinoma for diagnosis and treatment monitoring: a liquid biopsy approach** (DBT-Research Associateship awarded to Dr. Poulomi Khan)
Mentor: Prof. Susanta Roychoudhury



Duration: 2 yrs; Sanctioned amount: Rs. 12,54,400

Collaborating Institute	PI	Co-PI from SGCCRI	Project keywords
CSIR-Institute of Genomics and Integrative Biology (IGIB)	Dr Shantanu Chowdhury (Senior Scientist, IGIB)	Prof S Roychoudhury, Dr S Nath, Dr Arnab Gupta, Dr S Bhattacharyya	Breast cancer/ Liquid biopsy/ Circulating tumor DNA
University of Calcutta	Dr Mainak Sengupta (HOD, Dept. of Genetics, CU)	Prof S Roychoudhury, Dr S Nath, Dr Gautam Bhattacharjee	Lung cancer/ Tobacco smoke/ Xenobiotic metabolism/ DNA repair/ Polymorphism
Bose Institute	Dr Moitri Basu (DST-INSPIRE Faculty Fellow)	Prof S Roychoudhury, Dr S Nath	Breast cancer/EMT/ Fibroblast growth factor
National Institute of Bio-Medical Genomics (NIBMG)	Dr Sharmila Sengupta (Director-in-charge, NIBMG)	Prof S Roychoudhury, Dr R Roy Chowdhury, Dr N R Mondal	Cervical cancer/ HPV-16/ E7
University of Calcutta	Dr Sougata Roy Chowdhury (DST-INSPIRE Faculty Fellow)	Dr Arnab Gupta	Breast cancer/ Infiltrating T cells/ Chemokine signalling

Ongoing research work in collaboration

Future plan:

1. Developing a project on "Rectal cancer: molecular determinants of resistance to neo-adjuvant chemoradiation"
2. Characterisation of cancer stem cells from breast and ovarian cancers
3. Development of organoid culture from ovarian cancers
4. Creation of tissue bank repository and patient-derived cell line
5. Developing liquid biopsy (circulating tumor cells, ctDNA, exosome) based test for breast and ovarian cancers

Academic activities:

DNB (Diplomate National Board) Program The National Board of Examinations (NBE) recognizes this Institute for training in Radiation Therapy and Surgical Oncology.

DNB (Surgical Oncology – Super Specialty): This centre is one of the 1st few centres in India to start this course in 2005. 2 students are admitted to the course each year. This year, 1 student, Dr. Syed Hassanujjaman passed theory and practical examinations

DNB (Radiotherapy – Specialty): One student is enrolled to the course each year. This year 3 students, Dr. Y

Vishnu Vardhan Reddy, Dr. Sanchyan Mondal, and Dr. Roopesh Reddy Yotham, passed theory and practical examinations.

Paramedical Courses

This Institute has been conducting 2-years + 6 months internship diploma courses in Paramedical sciences recognized by the State Medical Faculty of West Bengal (WBSMF) for several years. The following 4 courses are offered from here:

- Diploma in Laboratory Technology (DMLT-Tech)
- Diploma in Radiography (DRD-Tech)
- Diploma in Radiation Therapy Technology (DRT-Tech)
- Diploma in Operation Theatre Technology (DoTT)

Passed Candidate Statement

Specialty	No. Candidate Appear Final Examination	Passed
Radiotherapy	5 (Since 2011)	4
Surgical Oncology	15 (since 2007)	11
DMLT (Final Year)	8 (2018)	8
DRD (Final Year)	4 (2018)	4
DOTT (Final Year)	4(2018)	4
DRT (Final Year)	2 (2018)	2

Present No. of students

Specialty	Affiliation with	No. of Candidate
Radiotherapy	NBE	1- Primary, 1- Secondary
Surgical	NBE	2 per year
DMLT	State medical Faculty of W.B.	12
DRD	State medical Faculty of W.B.	4
DRT	State medical Faculty of W.B.	4
DOTT	State medical Faculty of W.B.	4

Other Academic Activities:

- i. CME Program: weekly on every Thursday. Guest faculties (local, national, and international) and in-house faculties take part in different cancer-related issues.
- ii. Publication of Scientific Bulletin
- iii. Activities regarding holding scientific conferences/seminars/Palliative Care courses

Research Activities:

CLINICAL TRIALS/ INTERVENTIONAL TRIALS:



No.	Topic of research	PI	Status
1.	A prospective, multi-centric, Randomized, open label, Parallel group, Comparative, two arms, safety and efficacy and Pharmacokinetic study of Trastuzumab (Manufactured by Intus Pharmaceutical Ltd, Biopharma Division, Ahmadabad, India) in comparison with reference biologics (Trastuzumab, Marketed by Roche) in the patients with HER2- Over-expressing Metastatic Breast Cancer (Intas)	Dr Tamohan Chaudhuri	Completed
2.	A Multi-Centre, Randomized, Double Blind, Parallel-Group, Comparative Clinical Trial to evaluate the safety and clinical equivalence of Generic Clotrimazole Troche / Lozenges USP, 10mg (Unique Pharmaceutical Laboratories, India) to Clotrimazole Troche / Lozenges 10mg (Roxane Laboratories Inc....., USA) in subject with Oropharyngeal Candidiasis	Dr Dhruvajyoti Mukhopadhyay	Awaiting Close Out
3	A multi-center randomized open label study to assess the systemic exposure, efficacy, and safety of 450mg ceritinib taken with a low-fat meal and 600mg ceritinib taken with a low fat meal as compared with that of 750mg ceritinib taken in the fasted state in adult patients with ALK rearranged (ALK – positive) metastatic non small cell lung cancer (NSCLC)	Dr Rakesh Roy	Awaiting Close Out
4.	A phase III multicentre trial of weekly induct chemotherapy followed by standard chemoradiation versus standard chemoradiation alone in patients with locall advanced cervical cancer (Interlace Trial in collaboration with UCL, UK)	Dr Rahul Roy Chowdhury	Recruitment Yet To Start

CME Program

Since, March 2006, this institute is organizing CME programs regularly on every Thursday for the benefit of Faculty and DNB trainees. Apart from in-house faculty members, several guest speakers have delivered lectures on various topics on advanced oncology. The following table gives the number of such CMEs since its inception.



Period	No of CMEs
March 2006	5
April 2006-March 2007	46
April 2007 – March 2008	48
April 2008 – March 2009	43
April 2009- March 2010	43
April 2010 – March 2011	45
April 2011 – March 2012	49
April 2012 – March 2013	49
April 2013 – March 2014	46
April 2014 – March 2015	46
April 2015 – March 2016	49
April 2016 – March 2017	48
April 2017- March 2018	48
Total	565

Cancer Control Programme:

AWARENESS CAMP / SCREENING PROGRAME FROM APRIL 2017 - 2018					
SL.NO.	DATE	PLACE	CO-ORGANISOR	TARGET POPULATION	DOCTOR
1	07.01.18	Thakurpukur	Anwasha	Awareness Lecture	Arnab Gupta
2	07.01.18	Patuli	Kolkata Vivek	Awareness Lecture	Indranil Chatterjee
3	07.01.18	Anwar Shah Road	Kolkata Ekatma	Awareness Lecture	Arnab Gupta
4	02.02.18	Rotary Sadan	Rotary International & Rotary Club International	Awareness Lecture	Arnab Gupta
5	04.02.18	Alipur	Chetana Foundation	Awareness Lecture	Tanmoy Chatterjee
6	04.02.18	Alipur	Command Hospital	Awareness Lecture	Arnab Gupta
7	10.02.18	Barasat	Resurrection	Awareness Lecture	Indranil Chatterjee
8	15.02.18	Charu Avenue	Sevapith Matri Mandir	Awareness Lecture	Arnab Gupta
9	16.02.18	Kolkata	Bidyasagar College	Awareness Lecture	Arnab Gupta
10	06.03.18	Salt Lake	G.S.I	Awareness Lecture	Indranil Chatterjee
11	07.03.18	Gariahat	Muralidhar College	Awareness Lecture	Sanmoy Ganguly
12	08.03.18	Joka	Genex Valley	Awareness Lecture	Arnab Gupta
13	10.03.18	Pandua	Local Committee	Awareness Lecture	Soma De
14	13.03.18	Garden Reach	GRSE	Awareness Lecture	Saswati Sorcer
15	25.03.18	Brahmapur	Bondhumahal Club	Awareness Lecture	Arnab Gupta
16	31.03.18	Kakdwip	Globsvin Engineering College	Awareness Lecture	Sanmoy Ganguly
17	22.04.18	Rashbehari	Anubhav	Awareness Lecture	Arnab Gupta



18	28.04.18	Kolkata	Dept. of Health Kolkata Municipal Corporation	Awareness Lecture	Arnab Gupta
19	31.05.18	SGCCRI	Kolkata Ekatma	Anti Tobacco Lecture	Indranil Chatterjee Jnan Sil
20	26.06.18	Kolkata	"Bhalo Achhi", Kolkata Police	World Anti Drugs Day	Arnab Gupta
21	27.06.18	Burdwan	IMA, Burdwan	Awareness Camp	Soumdip Panda
22	11.08.18	Kolkata	La Martinere School	Awareness Camp	Arnab Gupta
23	12.08.18	Hatibagan, Kolkata	Swadhinata Dibash Ujjapan Committee	Awareness Camp	Arnab Gupta
24	19.08.18	Mysore Hall, Kolkata	Rashbehari Residents' Forum	Awareness Camp	Arnab Gupta
25	24.08.18	Uttam Mancha	LICI Agents' Forum CBO 15	Awareness Camp	Arnab Gupta
26	28.09.18	KMC	MANT	Awareness Lecture	Arnab Gupta
27	06.10.18	Agartala	Agartala Regional Cancer Centre	Awareness Camp	Arnab Gupta Soumadip Panda
28	11.11.18	Maheshtala	Maheshtala College	Quit Tobacco Camp	M.Ariff
29	11.11.18	Madhyamgram	Rotary Club	Awareness Camp	Arnab Gupta
30	22.11.18	Sarat Sadan, Kolkata	LIC	Awareness Lecture	Arnab Gupta
31	01.12.18	Sobha Bazar	Resurrection	Awareness Lecture	Saswati Sorcer
32	06.12.18	Medinipur	Math Bishnupur	Awareness camp	Subhasish De Rakesh Roy

CATEGORY- A

Original work in form of presentation paper in various conferences. Printed abstract/summary in proceedings of conference is mostly available.

CATEGORY B

Presentation papers of the nature of review article.

CATEGORY C

Single case presentation in form of Presentation paper. Printed abstract/summary in proceedings of conference is mostly available

CATEGORY D

Original work published in journals.

1. Mandal P, Bhattacharjee B, Sen S, Bhattacharya A, Roy Chowdhury R, Mondal NR, Sengupta S. 2016. Complete genome sequences of eight human papillomavirus type 16 Asian American and European

- variant isolates from cervical biopsies and lesions in Indian women. *Genome Announc* 4(3):e00243-16. doi:10.1128/genomeA.00243-16.
2. Bhakat KK, Sengupta S, Adeniyi VF, Roychoudhury S, Nath S, Bellot LJ, Feng D, Mantha AK, Sinha M, Qiu S, Luxon BA. Regulation of limited N-terminal proteolysis of APE1 in tumor via acetylation and its role in cell proliferation. *Oncotarget*. 2016 Mar 10. doi: 10.18632/oncotarget.8026.
 3. Bajaj S, Alam SK, Roy KS, Datta A, Nath S, Roychoudhury S. E2-ubiquitin Conjugating Enzyme, UBE2C, is Reciprocally Regulated by Wild-type and Gain-of-function Mutant p53. *J Biol Chem*. 2016 Apr 28. pii: jbc.M116.731398
 4. Mukherjee N, Dasgupta H, Bhattacharya R, Pal D, Roy R, Islam S, Alam N, Biswas J, Roy A, Roychoudhury S, Panda CK. Frequent inactivation of MCC/CTNBP1 and overexpression of phospho-beta-catenin Y654 are associated with breast carcinoma: Clinical and prognostic significance. *Biochim Biophys Acta*. 2016 May 18. pii: S0925-4439(16)30117-X. doi: 10.1016/j.bbadis.2016.05.009.
 5. Sharma Saha S, Roy Chowdhury R, Mondal NR, Chakravarty B, Chatterjee T, Roy S, Sengupta S. Identification of genetic variation in the lncRNA HOTAIR associated with HPV 16-related cervical cancer pathogenesis. *Cell Oncol*. 2016 Sep 28
 6. Das Ghosh D, Mukhopadhyay I, Bhattacharya A, Roy Chowdhury R, Mondal NR, Roy S, Sengupta S. (2017). Impact of Genetic variations and transcriptional alterations of HLA class I genes on cervical cancer pathogenesis. Accepted article. Doi:10.1002/ijc.30681
 7. Sengupta S, Mantha AK, Song H, Roychoudhury S, Nath S, Roy S, Bhakat KK. Elevated level of acetylation of APE1 in tumor cells modulates DNA damage repair. *Oncotarget*. 2016 Sep 19. doi: 10.18632/oncotarget.12113.
 8. Biman Chakrabarti, Nidhu Ranjan Mondal, Tanmoy Chatterjee and Rahul Roychowdhury (2017) Analysis of 58 Cases of GTT from 2000-2013 at A Tertiary Cancer Center in India. *BAOJ Gynec* 1:010.
 9. Chakraborty C, Roychowdhury A, Samadder S, Roy A, Mandal RK, Basu P, Roychoudhury S, Panda CK. Association of P16-RBSP3 inactivation with phosphorylated-RB1 over-expression in basal-parabasal layers of normal-cervix unchanged during CACX development. *Biochem J*. 473:3221-36 (2016)
 10. Dasgupta H, Mukherjee N, Islam S, Bhattacharya R, Alam N, Roy A, Roychoudhury S, Biswas J, Panda CK. Frequent alterations of homologous recombination repair pathway in primary and chemotolerant breast carcinomas: clinical importance. *Future Oncol*. 2017 Jan;13(2):159-174.
 11. Roychowdhury A, Samadder S, Das P, Mandal S, Addya S, Chakraborty C, Basu PS, Mondal R, Roy A, Chakrabarti S, Roychoudhury S, Panda CK. Integrative genomic and network analysis identified novel genes associated with the development of advanced cervical squamous cell carcinoma. *Biochim Biophys Acta*. 2017 Jan;1861(1 Pt A):2899-2911. doi: 10.1016/j.bbagen.2016.09.014.
 12. Roychowdhury A, Samadder S, Islam MS, Chaudhury K, Roy A, Banerjee D, Mandal R, Basu PS, Roychoudhury S, Panda CK. Identification of Changes in the Human Papilloma Virus 16 (HPV16) Genome During Early Dissemination of Cervical Cancer Cells May Complement Histological Diagnosis of Lymph Node Metastasis. *Pathol Oncol Res*. 2017 Jan 19. doi: 10.1007/s12253-017-0189-3
 13. Roy U, Roy Chowdhury S, Vasudevan M, Bankar K, Roychoudhury S, Roy SS. Gene regulatory networking reveals the molecular cue to lysophosphatidic acid-induced metabolic adaptations in ovarian cancer cells. *Mol Oncol*. 2017 Feb 25. doi: 10.1002/1878-0261.12046.
 14. Islam S, Dasgupta H, Roychowdhury A, Bhattacharya R, Mukherjee N, Roy A, Mandal GK, Alam N, Biswas J, Mandal S, Roychoudhury S, Panda CK. Study of association and molecular analysis of human papillomavirus in breast cancer of Indian patients: Clinical and prognostic implication. *PLoS One*. 2017 Feb 28;12(2):e0172760. doi:10.1371/journal.pone.0172760.

15. Saha S.Sweta, Chowdhury R. Rahul, Mondal R. Nidhu, Roy Sudipta, Sengupta Sharmila. Expression signatures of HOX cluster genes in cervical cancer pathogenesis: Impact of human papillomavirus type 16 oncoprotein E7. *Oncotarget*, Advance Publications 2017 Mar 28.
16. Ghosh Das Damayanti, Mukhopadhyay Indranil, Bhattacharya Amrapali, Chowdhury Roy Rahul, Mandal Ranjan Nidhu, Roy Sudipta, Sengupta Sharmila. Impact of genetic variations and transcriptional alterations of HLA class I genes on cervical cancer pathogenesis. *International Journal of Cancer*, 23 Feb 2017.
17. Nath Somsubhra, Roychoudhury Shrabasti, Kling Matthew, Song Heyu, Biswas Pranjal, Shukla Ashima, Band Hamid, Joshi Shantaram, Bhakat Kishor K, The extracellular role of DNA damage repair protein APE1 in regulation of IL-6 expression, *Cellular Signalling* (2017), doi:10.1016/j.cellsig.2017.07.019
18. Mandal Palash Kumar, Biswas Subir, Mandal Gunjan, Purohit Suman, Gupta Arnab, Majumdar (Giri) Amita, Chowdhury Sougata Roy, Bhattacharyya Arindam. CCL2 conditionally determines CCL22-dependent Th2-accumulation during TGF- β -induced breast cancer progression. <http://dx.doi.org/10.1016/j.imbio.2017.10.031>
19. Mukherjee Pritha, Gupta Arnab, Chattopadhyay Dhrubajyoti, Chatterji Urmi. Modulation of SOX2 expression delineates an end-point for paclitaxel-effectiveness in breast cancer stem cells. *Scientific Reports* 7:9170/DOI:10.1038/s41598-017-08971-2. 2017.08.23
20. Gunjan Mandal, Subir Biswas, Sougata Roy Chowdhury, Annesha Chatterjee, Suman Purohit, Poulomi Khamaru, Sayan Chakraborty, Palash Kumar Mandal, Arnab Gupta, Jo-Anne de la Mare, Adrienne Lesley Edkins, Arindam Bhattacharyya. Heterodimer formation by Oct4 and Smad3 differentially regulates epithelial-to-mesenchymal transition-associated factors in breast cancer progression. <https://doi.org/10.1016/j.bbdis.2018.03.010>

CATEGORY E

Oration (Subject /Article Review Type). Listing is in chronological order.

1. Bhattacharyya S, Dr Saroj Gupta Oration at Gastrocon, CMRI, Nov.2017

CATEGORY F

Published Review articles. The list is in chronological order.

CATEGORY G

Original work in form of poster presentation

1. Jena S. Axillary Reverse Mapping in Patients Undergoing Axillary Lymph Node Dissection for Breast Cancer: A Feasibility Study in Indian Scenario. 69th Annual Cancer Symposium of the Society of Surgical Oncologist. March 2-5, 2016- Boston, Massachusetts USA
2. Manjare Rahul Ramrao. Palliative endoscopic stenting of the advanced esophageal malignancy : a single centre experience in eastern India. UGICON-2017, Upper GI Cancer Surgery Conference and live workshop (April: 14-16) Ahmedabad

CATEGORY H



Ph.D/ MD/ DNB/ MSc Thesis / Dissertation. The list is in chronological order.

1. Hassanujjaman Syed. Expression of Ki 67 Level And Receptor Status (Er, Pr, Her2/ Neu) In Breast Cancer- α Clinicopathological Study.
2. Reddy Y Vishnu Vardhan. Observational Study of Response & Toxicity of Concurrent Chemo Radiotherapy Followed by Consolidation Chemotherapy in Locally Advanced Non Small Lung Carcinoma.
3. Mondal Sanchyan. An Observational Study of clinical response and early toxicities of cT1-2N0 glottic cancer (with particular reference to skin reaction, dysphagia and laryngeal toxicity) in patients treated with Simulator based Conventional Telecobalt Radiotherapy planning v/s 3D-TPS based planning.
4. Yotham Roopesh Reddy. A Prospective Observational Study to Determine Response and Quality of Life in Advanced Head & Neck Cancers Following Hypofractionated Palliative External Beam Radiotherapy.

CATEGORY I

Project work. List in chronological order.

CATEGORY J

Published work: Single case presentation

1. Roy S, Das I, Sil S B, Chakraborty S. Solid Papillary Carcinoma of Breast : A Rare Case Report IOSR-JDMS Volume 15, Issue 6 Ver.XV (June 2016). PP 58-60
2. Mondal NR, Chakrabarti B, Chatterjee T, Roy Chowdhury R (2018). Synovial Sarcoma of the Vulva- A Case Report. BAOJ Gynaec 2:018.
3. Haldar Sudip, Mishra Ipseet, Sahu Subrata Kr, Gupta Arnab. Solitary scalp metastasis following gastrectomy in a case of carcinoma stomach- A rare presentation. Paripex- Indian Journal of Research. Volume-6/Issue-7/July-2017/ISSN-2250-1991
4. Kumar P Bharath , Gupta A, Madhabathula S, Bhattacharya S. Burner gland hyperplasia of duodenum: A rare case mimicking malignancy with obstruction. Indian J Case Reports.2018;September 22

Category K

Book Chapter

1. Chakraborty B.Kr, Mondal N.R, Chowdhury Roy R, Chatterjee T. Fertility Following Gynecological Cancer: Book Chapter in Practical Guide in Assisted Reproductive Technology: GG Mukherjee, G.Khastagir, S.Chatterjee eds: 2018 Jaypee Brothers Medical Publishers (P) Ltd:293-301.

Future plans for the Research Division:

1. Increasing clinician-molecular biologist collaboration in cancer research
2. Development of infrastructure for tissue banking and organoid culture facilities
3. Investigation of role of alternative medicine in cancer management
4. Increasing publication, presentation etc.
5. Increasing collaborative work with reputed organizations

Academic Achievements:

Dr. Arnab Gupta	<ul style="list-style-type: none"> Elected uncontested for the post of President of Indian Association of Surgical Oncology (IASO) for 2019-2020. Selected as an Adviser of NIPER (National Institute of Pharmaceutical Education & Research).
Dr. Rakesh Roy	EAPC 2018 Paper presentation: To Assess Stress and Coping Capability between Working and Non Working Caregivers of Terminally Ill Cancer Patients - in the 10th World Research Congress of the EAPC (European Association of Palliative Care) taking place in Bern, Switzerland from 24-26 May 2018.
Dr. Susanta Roychoudhury, PhD, FNA, FASc, FNAsc, FASc&T	<ul style="list-style-type: none"> Awarded Research Grant from Department of Science and Technology, Govt. of India. Selected as Advisor to the National Academy of Science, India, Kolkata Chapter. Selected as President, Society of Biological Chemists, Kolkata Chapter.
Dr. Manjare Rahul Ramrao-	<ul style="list-style-type: none"> Fellow of International College of Robotic Surgery- International College of Robotic Surgeons Fellowship in Advanced Laparoscopic Surgery- Indian Association of Gastrointestinal Endo- Surgeons. Dr. Praful Desai / UICC Fellowship – Tata Memorial Hospital
Dr. Subrata Kr. Sahu	Awarded FIAGES (Fellowship of Indian Association of GI Endo Surgeons)
Dr. Dhananjay Mansing Patil	Fellowship Breast Surgery

Successful DNB graduates:

Dr. Roopesh Reddy	Radiotherapy
Dr Y. Vishnu Reddy	Radiotherapy
Dr. Sanchyan Mondal-	Radiotherapy
Dr. Syed Hassanujjaman	Surgical Oncology



OBITUARY

Mr Kallol Dutta (LM -105)



Born in 1953, Mr.Dutta got his BE degree from Calcutta University and Masters from IIT Kharagpur in mechanical engineering. He was at the helm of Andrew Yule from 2007 to 2016 till his retirement. He also served as the Managing Director of Bharat Bhari Udyog Nigam Ltd. He was a past president of the Bengal Chamber of Commerce & Industry.

Always a philanthropist he was invited to join as a Life Member of SGCC&RI in 2014. He was actively involved in all its fund-raising activities even before he became a member. As a key-resource person in the Industry, his immense popularity and zest helped the Governing Body reach key persons of Public Limited Companies for accessing CSR funds.

He left for his heavenly abode on 27 November, 2018. His passing away will remain an irreparable loss for our Institute.



Mrs Monika Mitra (LM -77)

Mrs. Mitra became a Life member along with her Husband Late Mr. S.K.Mitra in 1991. She was a great well wisher of our Institute and involved in our philanthropic activities ever since.

She passed away on 24 September,2018. May her soul rest in peace.



Dr Sanmay Ganguly



A man of many talents joined our hospital on 1st October, 1990 as a Senior Registrar in the Department of Radiotherapy. Apart from a good clinician he was very popular for his pleasant personality and his skills in Brachytherapy. He was a great Magician and also an actor, painter. He had won several National awards in the field of Magic. With his untimely demise on 17th August, 2018, we have lost a great personality. May his soul rest in peace and may God give his family all the strength to bear this great loss.



Dr Amitava Guha



A very hard working and sincere Surgeon in the Dept of ENT who was attached with our Institute for more than 3 decades (11th July, 1988 as Senior Medical Officer Department of ENT). His ill health never stopped him from his care for the patients till his last day (27th November, 2018). He headed the Department with full responsibility. His compassion for his patients and his fellow staff will be missed by all. May he find peace in heavenly abode.



ACKNOWLEDGEMENT

- We thank Pallium India, Dr Sankha Suvra Mitra (UK), Indo-American Cancer Association, Global Cancer Concern India (GCCCI), Global Access to Pain Relief Initiative (GAPRI), Help Age India and others who helped us for our Palliative Care Initiative. We thank Dr S Qanungo and Dr Kathleen Cartnell and researchers from Medical University of South Carolina for beginning collaborative research projects with us. We thank American Society of Clinical Oncology (ASCO) for conducting a workshop on palliative care.
- We acknowledge the patronage and spirit of cooperation from several Institutes with whom we carry out our Research Initiative. Notable among them are National Centre for Disease Informatics & Research (NCDIR) of Indian Council of Medical Research (ICMR), National Institute of Biomedical Genomics (NIBMG), Kalyani, Indian Institute of Chemical Biology, Calcutta, University of Calcutta, Cancer Foundation of India, University of Oxford (UK), Indian Institute of Technology, Kharagpur etc.
- The Regional Radiation Medicine Centre (RRMC) of Variable Energy Cyclotron Centre (VECC), Department of Atomic Energy (DAE) that operates in close cooperation with this Institute (SGCCRI & RI) renders the Nuclear Medicine Services to our patients. The management acknowledges the service with thanks.
- Our Institute is grateful to Indian Oil Petronas Pvt Ltd. (IPPL) for their continuing patronage by providing generous grants for various purposes. Earlier, CSR committee of IPPL has funded a 16-slice CT Scan machine and state of the art surgical equipments. This year also they are kind enough to donate three equipments such as DexaScan, Lap Laser for CT scan and i-Breast for screening purpose at various medical camps. Apart from the above mentioned equipments, their CSR committee has granted funds for the much needed renovation work for OPD block for providing better care and comfort to the huge number of patients attending daily.
- We have been receiving continuous support from Department of Atomic Energy (DAE) through their Grant- in- Aid for various radiotherapy equipments. Recently, we have also received grant for Blood Irradiator 2000 (BI 2000) which would be very useful specially for blood transfusion and Bone Marrow Transplant cases. We acknowledge the support and help they are rendering since inception.
- We regularly receive support from UK residents like Dr. Sankha Suvra Mitra, Dr. Yajati Ghosh, Dr. Chandrani Ghosh, Dr. Shilajit Ghosh, Mr. Nirmal Dasgupta, Mrs. Christine Basu, Dr. Chittaranjan Choudhury and Dr. Ansu Barik for their regular contributions.
- Ladies Study Group with the initiative of Mrs. Namrata Surekha, past President alongwith other committee members donated generously for the modernization of Patients' kitchen for better hygiene and care of the patients.
- We are also grateful to L&T and Volkart Foundation for regular donations.
- Our BMT unit, which was funded by our Trustee Mr. S. S. Mukherjee, in memory of his wife is running successfully and till date 50 transplants have been done with 100 % success rate. We are grateful to him and his family for this major contribution.



- Various organization and groups help the children of our pediatric oncology department. Notable among them are Jiv Daya Foundation (an NGO in Texas, USA), Rotaracts and different Rotary Clubs of Dist 3291, Lions' Club, Hitaishini, Ashar Alo, Make a Wish Foundation, Pepsico, Resurrection, Suchetana, Bansi Vidya Charitable Trust, Indian Cancer Society, Cankids, Sarani, Anavi, MCKV food for hungry foundation, Innerwheel Club, AIWC and members of Sri Sri Mohonanda Brahmachari Trust.
- We are grateful to Dr. Krishnendu Gupta, our member as well as the immediate past president of Rotary Club of Calcutta Victoria and Mr. B.G. Kundu, immediate past Dist. Governor (D- 3291) for arranging global grant for the installation of much needed Auto Tissue Processor in our pathology laboratory in collaboration with Rotary Club of Moorpark, USA (D-5240). Our sincerest thanks to Mr. Jayanta Chatterjee, our President and member of Rotary Club of Calcutta Metropolitan for facilitating this grant.
- We thankfully acknowledge the patronage of different concerns, pharmaceutical and medical equipment companies who actively participated in various seminars, conferences and CMEs organized by this Institute.
- We would also like to extend our thanks to various Government Ministries, Directorate, Departments, Local Bodies and agencies that help for the welfare of this Institute.
- Our poor patients have been regularly getting financial aids from Governor, Chief Minister, Ministry of Health, Govt. of West Bengal & more recently from our Prime Minister's office, New Delhi.
- Thousands of individuals have voluntarily donated blood to our Blood Bank to help the ailing cancer patients. We are overwhelmed with the continuous support of the voluntary donors who stand by our side in our fight against cancer.
- Since our inception, we had been receiving donations in cash or in kind from hundreds of individuals and concerns from the society. The patronage continues. We extend our heartfelt thanks to them.
- It will be inappropriate if we fail to thank all the employees of this Institute who work tirelessly to help the patients and their relations with smiling faces and helping hands.
- Our Institute is grateful to Anjan Gupta Architects - for rendering voluntary services over the years and making this centre unique in its ambience and architecture.
- Finally, we express our deep appreciation for the support of the patients and their relations who made our endeavor meaningful.

Place: Kolkata
December 16, 2018

Mr Jayanta Chatterji
President

Mr Anjan Gupta
Secretary