

# 43<sup>rd</sup> ANNUAL REPORT

2015 – 16

**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 further 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**

<b>Registration No</b>	S/ 12687 of 1972-73
<b>Registered Office</b>	Mahatma Gandhi Road, Thakurpukur, Kolkata 700 063
<b>Telephone Nos</b>	+91 033 2467 8001/ 8003; 2453 2781/82/ 83 & 2438 3145 Mob:98311 82951/ 82904
<b>FAX Numbers</b>	+91 033 2467 8002/ 2453 6711/ 2453 4765
<b>E-mail</b>	cancerwelfare@yahoo.co.in, cancercentre6@gmail.com Research Division: researchsgccri@gmail.com
<b>Website</b>	www.cancercentrecalcutta.org

*This Annual Report is published by Mr. Anjan Gupta (Hon. 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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## 43rd ANNUAL REPORT

2015– 16

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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** : Mr Kanak Kumar Sengupta (since deceased)  
**Treasurer** : Mr Kamakshya Prasad Sengupta  
**Members** : Mr Subhash Guha Niyogi  
: Dr Gautam Bhattacharjee  
: Dr Arnab Gupta  
: Dr Krishnendu Gupta  
: Mr Jayanta Kumar Paul  
: Dr Rabindra Nath Ghosh (Advisor)
- Honorary Members** : Dr Bikash Sinha  
: Dr Ashok K Ray  
: Dr Kironmoy Das  
: Mr Satya Narayan Ray (since deceased)
- Two Govt. Nominees** : Director of Medical Education,  
Department of Health &  
Family Welfare, Govt. of West Bengal.  
Director, Chittaranjan National Cancer Institute,  
Kolkata

## FOUNDER MEMBERS

- FM 9 Dr. Sunil Kumar Gupta  
FM 17 Dr. Debi Mohan Bhattacharjee  
FM 37 Ms. Gouri Mitra



## Life Members

LM 2	Mr. Premananda Raichoudhuri	LM 62	Mr. Biswanath Mitra
LM 4	Mr. Satya Narayan Khaitan	LM 64	Mr. Harendra Nath Ghosh
LM 5	Mr. Bachhraj Sethia	LM 65	Mr. Bivas Roy Chowdhury
LM 6	Mr. Bhagwati Prasad Goenka	LM 66	Mr. Amal Prakash Sur
LM 7	Ms. Sushila Poddar	LM 68	Mr. Shyam Sundar Roy
LM 8	Ms. Sharda Devi Poddar	LM 69	Mr. Sankar Nath Roy
LM 9	Mr. Ratan Chand Burman	LM 72	Dr. Krishnendu Gupta
LM 10	Dr. Niranjan Ghosh	LM 73	Mr. Surendra Lal Girdharilal Mehta
LM 13	Mr. Rupchand Ghosh	LM 74	Mr. Anjan Gupta
LM 14	Ms. Debjani Dey	LM 77	Ms. Monika Mitra
LM 15	Mr. Subhash Guha Niyogi	LM 78	Mr. Murari Lal Gupta
LM 18	Mr. Subir Chowdhury	LM 80	Ms. Piya Sen
LM 22	Mr. Monotosh Roy Choudhury	LM 81	Mr. Suvra Chandra
LM 24	Mr. Kanai Lal Dey	LM 82	Mr. Jayanta Chatterji
LM 25	Ms. Monika Basu	LM 83	Mr. Samdev Das Gupta
LM 26	Ms. Satiya Bai Saraogi	LM 84	Mr. Indrajit Dass
LM 27	Mr. Mihir Kumar Aditya	LM 85	Mr. Gautam Ghosh
LM 28	Mr. Jitendra Nath Bose	LM 88	Dr. Radhe Shyam Majumder
LM 30	Mr. Ashoke K. Mukherjee	LM 89	Dr. Saumitra Chakravarty
LM 38	Dr. Jyoti Rani Sen	LM 90	Mr. Tarak Nath Ghosh
LM 39	Mr. Swapan Kumar Bose	LM 91	Mr. Indrajit Bhattacharya
LM 40	Ms. Durga Rani Bhattacharjee	LM 93	Mr. Jayanta Kumar Paul
LM 41	Mr. Subhendu Basu	LM 97	Dr. Gautam Bhattacharjee
LM 42	Mr. Pijush Ranjan Sen Gupta	LM 98	Dr. Arnab Gupta
LM 46	Mr. Justice Manoj Kumar Mukherjee	LM 99	Dr. Rabindra Nath Ghosh
LM 47	Mr. Justice Ganendra Narayan Roy	LM 100	Mr. Kamakshya Prasad Sengupta
LM 48	Mr. Swapan Das Gupta	LM 101	Mr. Shib Sanker Mukherji
LM 49	Ms. Ratna Ghosh	LM 102	Mr. Dipayan Choudhury
LM 51	Mr. Debidas Ganguli	LM 103	Dr. Sankha Suvra Mitra
LM 52	Dr. Arun Sekhar Day	LM 104	Dr. Bhaskar Banerjee
LM 56	Mr. Sushil Kumar Ghosh	LM 105	Mr. Kallol Dutta
LM 57	Mr. Mrinal K Choudhury	LM 106	Mr. Deborshi Dutta Gupta
LM 59	Mr. Amit Kumar Sen	LM 107	Dr. Samir Bhattacharyya
LM 60	Mr. Auravinda Roy Choudhury	LM 108	Dr. Santanu Kr. Tripathi

## Honorary Members

HM 2	Dr. Bikash Sinha
HM 3	Dr. Ashok K. Ray (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 Country Hospital, Brighton, UK.
Dr. Yajati Ghosh, FRCSEd. (Oph.)	Consultant Ophthalmic Surgeon, Birmingham,UK.
Dr. Shilajit Ghosh, FRCS	Consultant Thoracic Surgeon, Birmingham, 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. Anantalal Mishra  
Dr. Bimal Chakraborty

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 Niranjan 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. Harendra Nath Dutta Gupta  
Mr. Ardeshir H. Sethna  
Ms. Bithika Banerjee

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. Hirak Das Sarma  
Mr. Sachindra Kumar Mitra  
Mr. Abhoy Kumar Chakravorty  
Mr. Kanak Sen Gupta

#### Honorary Member

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



## Management

<b>Secretary</b>	: Mr. Anjan Gupta, B Arch., MCP, M Arch.(USA)
<b>Director</b>	: Dr. Arnab Gupta, FRCS (Edin & Eng), FIAGES
<b>Medical Superintendent</b>	: Dr. Partha Halder, MBBS
<b>Acting Dy. Medical Superintendent</b>	: Dr. (Prof.) Jnanabrata Sil, MBBS, DCH, PhD
<b>Consultant Hospital Administrator</b>	: Dr. Chirantan Bose, MBBS, MBA (BIT Mesra)

## Sub-Committees

<b>Hospital Advisory</b>	: Mr Anjan Gupta, Secretary Dr. Arnab Gupta, Director Dr. Gautam Bhattacharjee, Member, Governing Body Dr. R.N. Ghosh
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### Finance

<b>Convenor</b>	: Mr Anjan Gupta
<b>Member</b>	: Mr. Kamakshya Prasad Sengupta Mr. Jayanta Kumar Paul

### Building

<b>Convenor</b>	: Mr Jayanta Chatterji
<b>Members</b>	: Mr Anjan Gupta (Architect) Mr Shib Sanker Mukherji Mr B K Banerjee (Architect)
<b>Representative of Accounts</b>	: Mr Santi Kumar Dey Mr Subrata Kumar Chakraborty



### Research Advisory Board

- : Mr Anjan Gupta, BArch., MCP, MArch. (USA)  
Dr Arnab Gupta, FRCS (Edin. & Eng.), FIAGES  
Dr Gautam Bhattacharjee, DMRT, MD (Convener)  
Prof Bikash Sinha, BSc (CU), BA, MA(Cambridge), PhD,  
DSc (Lond), FINSA, FNAS, FNYAS, FIASc  
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, PhD, FNA, FASc  
Prof Samir Bhattacharya, PhD, 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, Vice Chancellor,  
WB Univ. 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)  
Dr Arnab Gupta, FRCS (Edin. & Eng.), FIAGES  
Dr Samir Bhattacharyya, MS  
Dr Rabindra Nath Ghosh, MRC Path  
Dr Biman Chakraborty, FRCOG, FACS  
Dr Gautam Bhattacharjee, DMRT, MD  
Dr Saradindu Ghosh, MS  
Dr Shravasti Roy, DTMH, MD  
Dr Rahul Roychowdhury, FRCOG (Secretary)  
Dr Tanmoy Chatterjee, DGO, MD (O&G)  
Dr Sarbajit Das, FRCS  
Dr Nidhu Ranjan Mondal, DGO, MD  
Dr Tamohan Chaudhuri, DMRT, MD  
Dr Dhrubajyoti Mukhopadhyay, DLO, MS  
Dr. Rakesh Roy, MD  
Dr. Sanjay Basu MS, FRCS  
Dr. Susanta Roychowdhury, Ph.D, FASe, FNASe, FASeT  
Dr. Somsubhra Nath (Ph.D)

### Cancer Control

- : Dr. Arnab Gupta, FRCS (Edin. & Eng.), FIAGES  
Dr. Sanmay Ganguly, DMRT  
Dr. Soma De, DCH(Dy. In-charge Paed.)  
Dr. Indranil Chatterjee, MS. (Dy. In-charge)





**Palliative Care**

: Dr. Gautam Bhattacharjee, DMRT, MD (HoD)  
Dr. Sankha Suvra Mitra, MS.,DNB,FRCS,FRCR  
(Overseas Advisor)  
Dr. Rakesh Roy, MD, ESMO Fellow (In-charge)  
Dr. Ramapati Sanyal, MD, DNB

**Institute Ethics Committee**

**Chairperson**

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

**Member Secretary**

: Dr. Saradindu Ghosh, Medical Profession

**Members**

Dr. Arnab Gupta, Medical Profession  
Prof. Dipak Kr. Nath, Person of Religion, Ethicist  
Dr. Samir Bhattacharyya, Medical Profession  
Prof. Santanu Tripathi, Medical Profession, Pharmacologist  
Prof. Susanta Roychowdhury, Basic Scientist  
Dr. Madhuchanda Kar, Medical Profession  
Mrs. Vijaya Mukherjee, Social Worker  
Dr. Adeline Basu, Medical Profession  
Dr. Krishnendu Gupta, Medical Profession  
Ms. Soumi Banerji, Lay Person  
Ms. Debjani Aich, Media Person

**Environment Monitoring Committee**

**Chairman**

: Prof. (Dr.) Arunabha Majumder

**Members**

: Sri. Subhash Guha Niyogi, Convenor  
Prof. (Dr.) Tarak Mohan Das  
Prof. Subhash Santra  
Dr. Pranabesh Sanyal, IFS  
Dr. R. K. Chakraborty  
Dr. Gautam Bhattacharjee  
Dr. Shravasti Roy  
Representative of Local Body

**Local Administrative Committee, RRMC**

**Members - SGCCRI**

: Mr. Anjan Gupta  
Dr. Arnab Gupta  
Dr. Gautam Bhattacharjee

**Members – VECC**

: Dr. Santanu Ganguly  
Dr. Surajit Pal  
Sri. Samarendu Sinha



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**Library**

**Joint Convener** : Dr. Samir Bhattacharyya, MS  
Dr. Madhuchanda Kar, MD, PhD

**Co-ordinator** : Mr. Amit Singh, Librarian

**Members** : Dr. Arnab Gupta, FRCS( Edin & Eng), FIAGES  
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

**Nursing**

**Superintendent** : Ms Gouri Roy  
**Matron** : Ms Jharna Das

**Maintenance**

**Consultant** : Mr T K Banerjee  
**Sr. Managers** : Mr Shyamal Das  
Mr Himangshu Roy



Date: 10.12.2016

## **Notice**

Notice is hereby given to all the members of SAROJ GUPTA CANCER CENTRE AND RESEARCH INSTITUTE that 43rd ( Forty Third ) Annual General Meeting of the Society will be held at our Centre at Mahatma Gandhi Road, Thakurpukur, Kolkata – 700063 on 17.12.2016 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 31,2016.
3. To approve and adopt the audited accounts and report of the Auditors for the year ended March 31, 2016.
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 2015-17 and 2017-18. Only vacancies and therefore all the applicants will be declared elected.
6. To transact any other business which, 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 31<sup>st</sup> March 2016.

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.



## II. EVENTS IN THIS INSTITUTE (January to December, 2016)

### Scientific Events:

- **4th meeting of Eastern India Paediatric Oncology Forum (EIPOF)** was held in the Auditorium of SGCCRI on 12th March, 2016. There were Training programmes for the Nurses, Capacity building sessions, Parent's support Group Meets and Scientific sessions by the doctors treating childhood cancer in Eastern India with the support of **JivDaya Foundation (USA) and CanKids Kids Can (Delhi)**.
- **Nicotine Replacement Therapy (NRT), Nutrition and Therapeutic Dietetics Workshop and Certificate Course:**  
On 6th March, 2016, this workshop was held in our Seminar Hall with about 50 participants. The Programme Director was, once again, **Prof Chitta Ranjan Chowdhury** (associated with De Montfort University in Leicester, UK, Nara Medical University Japan and NITTE University in Mangalore) where there were about 50 participants. He is the driving force for our Stop Tobacco Clinic and our campaign against the main killer `Tobacco`.
- **International Nurse`s Day (12th May, 2016):**  
The Day was celebrated at the Nursing Block of SGCCRI where there were academic discussions and motivational speeches highlighting the role of Florence Nightingale in establishing modern nursing practices.
- **Research Advisory Board Meeting:**  
Our Research Advisory Board was recently reconstituted taking on board many eminent Scientists and Clinicians. Our Research Subcommittee members appraised them of the recent Research activities and Future plans in a meeting on 8th July, 2016.
- **National Nutrition Week (10th September, 2016):**  
To celebrate National Nutrition Week, the Dietetics Dept of SGCCRI organised a seminar with the theme of `Defeating Cancer through Nutrition`. Around 90 delegates came from all over Kolkata, including dietitians, nutrition students apart from eminent teaching faculties like **Dr Ranjini Dutta**, HOD of clinical Dietetics of KPC Medical College.

### Other Events:

- **BiswaBharaPraan:**  
The Aesthetic Therapy Unit of Antara Psychiatric Centre, Gobindapur, presented the composite programme `Biswa Bhara Praan` commemorating the 10th Anniversary of Kalamandalam Guru Sri Govindam Kutty in our Auditorium on 9th January, 2016. **Ms Mandar Mukherjee** led the Antara Team like previous years. **Mrs. Thankamuny Kutty**, eminent dancer & **Sri Ashoke Palit**, renowned poet and professor graced the occasion as Chief Guest.
- **World cancer Day (4th February, 2016):**  
The day was observed in our Auditorium like previous years where many survivors were made to interact with the patients undergoing treatment in our hospital. Eminent actor **Sri Subhasish Mukhopadhyay** graced the occasion as Chief Guest. There were



performances by our survivors and some of our patients followed by performance by Rotaractors of Dist 3291. **Ms Jayati Chakraborty** enthralled the audience with her Rabindra sangeets.

- **Cooking Class for Parents:**  
This session was organised by Nutridiet and Rotary Club of Rabindra Sarobar on 2nd April, 2016 to educate the parents of the children undergoing treatment in our hospital regarding how to cook nutritious and tasty food at nominal cost and minimal ingredients.
- **Inauguration of New Pathology Diagnostic machines:**  
The Garden Reach Ship Builders & Engineers Ltd had been very kind to provide a CSR Grant for our new Pathological Diagnostic machine (Vitek 2 Compact 30, Automated Embedding Station and BD Superpath DTS LBC System). These facilities were formally inaugurated by **Admiral A K Verma (Chairman GRSE Ltd)** as Chief Guest on 20th April, 2016. Furthermore, **CMDE R Ghosh VSM. In (Retd), (Director Shipbuilding), Sri R C Nautiyal (Director Personnel), Sri S S Dogra (Director Finance), Sri Kallol Rai (Director FinanceRetd)** were present on this occasion.
- **6th Anniversary of Dr Saroj Gupta (21st May, 2016):**  
Blood Donation camp was held in-house where many of our Staff and relatives of patients voluntarily donated blood for our patients. This was followed by Inauguration of a Pathology Museum by **Smt Srabani Sen** who thereafter paid tribute to our Founder with her Rabindrasangeet in our Auditorium.
- **World No Tobacco Day (31st May, 2016):**  
An awareness programme was held on this day in front of our Registration Counter and like last 2 years, was supported by Price Water House Coopers Service Delivery Centre Pvt Ltd(Kolkata). The patients and relatives were made aware of the bad effects, especially carcinogenic effects, through an interactive session and talks by Specialists.  
The same evening our Hospital was invited to be a part of the Cancer Awareness programme organised by **MANT** at Nazrul Mancha. A CD with Anti Tobacco theme by Doha was released on this occasion by **Smt Usha Uthup**.
- **World Environment Day (6th June, 2016):**  
With the initiative of Rtn Anita Nan Banerjee (President, Rotary Club of Rabindra Sarobar), the day was celebrated in our hospital along with the Presidents and members of many Rotray Clubs of Dist 3291. School bags were given to the children by **DG RtnJhulan Basu** and there was an entertainment programme for them in our auditorium. Our survivors Anjali Roy and KuntalBardhan brought tears to many with their exceptional performance. At the end there was plantation of trees under the supervision of our GB member Sri Subhash Guha Neogi, past President of Agri Horticultural Society of Kolkata.
- **Cultural programme by members of All India Radio:**  
Like previous years, the members of AIR, under the leadership of **Sri Moloy Ghosh**, organised a programme for the entertainment of patients and their families on 11th June, 2016 in our Auditorium. Many artists took part in the cultural programme. The Musical session by **Sri Srikanto Acharya** was highly appreciated by all. The programme was



graced by **Swami Divyanandaji**, Mountaineer **Sunita Hazra**. Stamp books for each child patient with their own photo was given out. The programme was conducted by **Sri Kaushik Sen**. In addition there was an In-house Blood Donation camp where many members of AIR and their special invitees donated blood.

- **Z Bangla `Dadagiri` initiative:**  
**Ms Dona Ganguly**, eminent Dancer, fulfilled her Dadagiri promise on 23rd June, 2016 by gifting a large Keyboard to the children for their entertainment. She spent quality time with them, encouraging them in their fight.
- **RathYatra:**  
Like previous years the day was celebrated on 6th July, 2016 by our children who had decorated a chariot and pulled it inside our hospital premises. Sweets were distributed to all the children and parents.
- **Independence Day Programme:**  
This was the first project of Rotaract Club of Calcutta Presidency to bring smile to the real fighters in life on the day of our 70th Independence Day, 15th August, 2016. Flag hoisting, Rakhi celebration, followed by a Magic show and distribution of goodies took place at the child care unit of our hospital.
- **Raksha Bandhan:**  
On 18th August, 2016, the occasion was celebrated with the children with the initiative of Rotary Club of Rabindra Sarobar. The programme was graced by **Rtn Shyamashree Sen** (District Governor of Rotary Club of Dist 3291) along with many other eminent Rotarians of the district. Some special children were felicitated on this occasion.
- **Entertainment Programme by KachaKachi Pasha Pashi (K2P2):**  
The members of this newly formed NGO by young Facebook friends working for the betterment of the children organised an entertainment programme for our child patients on 22nd Sept, 2016 which included birthday celebration, cultural programme by the members. The event was graced by **Sri Sovandeb Chattopadhyay**, Ministry of Power (Govt of WB), eminent film personalities like **Sri Soumitra Chattopadhyay**, **Soham**, and also renowned Scientist **Dr Utpal Sanyal**.
- **Children`s Day Celebration (14th Nov, 2016):**  
The Hospital has been celebrating Children`s Day in a big way since 2002 to bring smile back to the faces of children suffering from cancer. On 14th November, 2016 for 15th consecutive year, A Sit & Draw competition was held for which all the participating children were given prizes. The Judge was eminent Artist **Sri Somnath Chowdhury** of Tulika Art School who also spent time on the wards to teach the children how to sketch. Eminent Actor & singer **Sri Arindam Ganguly** & Eminent actress **Ms Soumili Biswas** were our Guests this time who encouraged the children in their fight against the dreaded disease by their gracious presence and inspiring talks. Some of our children performed in a Dance recital which brought tears to the audience sitting in the hall. In addition there was a Magic show, performance by Street children of an NGO New Light. The programme reached it`s climax during the Musical tribute by **Kinjol** and his band. Students of Save the Children



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School for Orphans were our special invitees like previous years.

- **Founder's Day :**

Founder's day was observed on the 5th December,2016 on the occasion of 87th Birth anniversary of our **Founder Dr Saroj Gupta**. Blood Donation Camp was organised in the morning where members of the Management and many staff donated blood. In the afternoon, our new Research wing, funded by **Ms Manju Mitra** in memory of her parents, was inaugurated by **Swami Suparnanda**, Hony. Secretary, R K Mission, Gol Park. He also flagged off a new battery operated Ambulance, which was donated to us by L & T through their CSR grant, in presence of **Mr A K Ghosh**(Regional Manager, Kolkata) and **Mr B.S. Dubey** (Sr. Manager, Admin) of L & T. Eminent Kathak Dancer **Ms Dona Ganguly** and her Dancer troupe '**Diksha Manjari**' presented an hour long Dance recital which was appreciated by all. This was followed by a Drama '**Karkat Lagna**' (written by Dr Saroj Gupta) enacted by the members of the Management and the Staff of SGCCRI which kept the audience glued to their seats. This drama was the 1st fund raising event for the Hospital which was staged in Rabindra Sadan on 25th February, 1973 with the help of '**Sikha**' led by **Dr Anil Paul**. **Dr Saroj Gupta** had enacted the role of a poor cancer patient and his performance brought tears to every one's eyes present in the audience.





### 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

<b>Radiation Oncology</b>	<ul style="list-style-type: none"> <li>• Teletherapy- Linac (IMRT/IGRT/Rapid Arc / 3 DCRT) -Telecobalt</li> </ul>
	<ul style="list-style-type: none"> <li>• Brachytherapy</li> </ul>
	<ul style="list-style-type: none"> <li>• Radiolodine Therapy (with RRMC)</li> </ul>
<b>Surgical Oncology (Broad Division)</b>	<b>Gynecological Oncology</b>
	<b>Surgical Oncology</b>
	<ul style="list-style-type: none"> <li>• Head &amp; Neck Surgery</li> </ul>
	<ul style="list-style-type: none"> <li>• Peripheral Surgery</li> </ul>
	<ul style="list-style-type: none"> <li>• Breast Unit</li> </ul>
	<ul style="list-style-type: none"> <li>• Urosurgery</li> </ul>
	<ul style="list-style-type: none"> <li>• Thoracic Surgery</li> </ul>
	<ul style="list-style-type: none"> <li>• G I &amp; Hepatobiliary Surgery</li> </ul>
	<ul style="list-style-type: none"> <li>• Orthopedic Surgery</li> </ul>
	<ul style="list-style-type: none"> <li>• Paediatric Surgery</li> </ul>
	<ul style="list-style-type: none"> <li>• Plastic Surgery</li> </ul>
	<ul style="list-style-type: none"> <li>• ENT Oncology</li> </ul>
	<ul style="list-style-type: none"> <li>• Endoscopy Unit</li> </ul>
<ul style="list-style-type: none"> <li>• Laparoscopy Unit</li> </ul>	
<b>Medical Oncology</b>	<ul style="list-style-type: none"> <li>• Chemotherapy</li> </ul>
	<ul style="list-style-type: none"> <li>• Haemato-Oncology</li> </ul>
	<ul style="list-style-type: none"> <li>• Paediatric Oncology</li> </ul>
	<ul style="list-style-type: none"> <li>• Bone Marrow Transplant</li> </ul>
<b>Palliative Care &amp; Pain Clinic</b>	<ul style="list-style-type: none"> <li>• OPD</li> </ul>
	<ul style="list-style-type: none"> <li>• In Patients</li> </ul>
	<ul style="list-style-type: none"> <li>• Domiciliary Care</li> </ul>

##### 2. Major Ancillary Departments

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



### 3. Major Diagnostic Departments

<b>Nuclear Medicine</b>	Nuclear imaging
	Non-image based study unit
	In vitro diagnostic study unit
	Radio-nuclide therapy
<b>Radiology</b>	Conventional radiology including Digital Radiography
	Mammography
	Ultrasonology including Echocardiography, Color Doppler
	Computerized Tomography (CT Scan)
	PET-CT scan
	MRI
	Image guided intervention
<b>Pathology</b>	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)  
 Alaryngeal Speech Therapy Unit  
 Stoma Care Service  
 Breast Cancer Support Service  
 Psychological Support Service  
 Nutritional Assistance Service  
 Music & Art Therapy for Children  
 NRT (Stop Tobacco) Clinic



## A.1. Departments & Personnel

### Radiotherapy

- : Dr. Gautam Bhattacharjee, DMRT, MD (HoD)
- Dr. Tamohan Chaudhuri, DMRT, MD(Bom) (In-charge)
- Dr. Mahfuz Ariff, DMRT, MD (In-charge)
- Dr. Sanmay Ganguly, DMRT
- Dr. Abhijit Sarkar, DMRT
- Dr. Somnath Sorcer, DMRT
- Dr. Soumadip Panda, MD
- Dr. Arnab Bhattacharjee, MD

### Medical Physics

- : Mr. Dibyendu Sen, B.Sc., TR DRP (BARC)
- Mr. Shivasakthi. A, M.Sc. (Medical Phys.)
- 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. Antra Saha M.Sc.(Phys.), Post M.Sc.Dip. (Med.Phy)

### Surgical Oncology

- : Dr. Samir Sen, MS (Advisor)
- Dr. Samir Bhattacharyya, MS (HoD)
- Dr. Saradindu Ghosh, MS (In-charge)
- Dr. Arnab Gupta, FRCS (Edin & Eng), FIAGES
- Dr. Pratip Sen, FRCS(Edin), FRCS (Eng)
- Dr. Indranil Chatterjee, MS (Dy. In-charge)
- Dr. Chayan Kr. Ray, MS, M.Ch
- Dr. Sarbajit Das, FRCS
- Dr. Amal Kumar Chakravarty, MS, FRCS
- Dr. Subhash Chandra De, MS
- Dr. Sanjoy Basu, MS, FRCS
- Dr. Jayanta Chakrabarti, MS, DNB (Surg Oncol)
- Dr. Sanghamitra Jena, MS, DNB(Surg Oncol)
- Dr. Arun Ganguly, MS, DNB, M Ch
- Dr. Aditya Narayan Sen, FRCS
- Dr. Anubha Banerjee, MBBS
- Dr. Shibprakash Mehta, MS (Addl RS)
- Dr. Shib Shankar Paul, MS (Addl RS)



Dr. Ipseet Mishra, MS (Addl RS)  
Dr. Soumitra Banerjee, MBBS  
Dr. Bishakha Basu Roy, MBBS  
Dr. Nirmal Chandra Barui, MBBS, DGO  
Dr. Barun Deb Basu Thakur, MBBS

**Endoscopy Unit**

: Dr. Arnab Gupta, FRCS (Edin & Eng), FIAGES  
Dr. Indranil Saha, MD  
Dr. Sanjoy Basu, MS, FRCS  
Dr. Mohammad Yahya, MD (Moscow)  
Dr. Shreyasi Maiti (Dhara), MBBS

**Orthopaedic**

: Dr. Dipak RoyChoudhury, D.Orth, MS (Orth)

**Urology**

: Dr. Kalyan Kumar Sarkar, MS, FRCS (Edin) (Advisor)  
Dr. Sabyasachi Bose, DNB  
Dr. Kaushik Sarkar, MS, M Ch

**ENT**

: Dr. Debi Mohan Bhattacharjee, DLO (Advisor)  
Dr. Amitava Guha, DLO (In-charge)  
Dr. Dhruva Jyoti Mukherjee, MS (ENT)  
Dr. Bhudeb Bhattacharyya, DLO, MS  
Dr. Ajoy Kumar Ghosh, MBBS

**Dental**

: Dr. Arun Kumar Mazumder, BDS (Cal)  
Dr. Saikat Deb, MDS

**Gynaecology**

: Dr. Biman Chakraborty, FRCOG, FACS (HoD)  
Dr. Nidhu Ranjan Mondol, DGO, MD (In-charge)  
Dr. Tanmoy Chatterjee, DGO, MD (O&G)  
Dr. Rahul RoyChowdhury, FRCOG  
Dr. Subhasish De, DGO  
Dr. Jaba Basak, MBBS  
Dr. Saswati Sorcer, DGO

**Anaesthesia**

Dr. Manika Basu (Sen), MD (HoD)  
Dr. Anjali Sinha, DA (Lond)  
Dr. Subhasis Pradhan, MD  
Dr. Ajitesh Ghosal, FCCP, DA  
Dr. Chinu Chowdhury, DA  
Dr. Sakuntala Chakraborty, DA., MD



Dr. Paramita Sarkar, DA  
Dr. Sudeshna Mondal, MD  
Dr. Kishore Kumar Bakshi, MBBS

**ITU / PICU/ On-Call**

Dr. Monika Basu (Sen), MD (HoD)  
Dr. Subhasis Pradhan, MD  
Dr. Kallol Sengupta, DTCD, MD  
Dr. Subhamoy Pal, MBBS, DCH (In-charge)  
Dr. Mili Ghosh, MBBS  
Dr. Arunava Chattopadhyay, MBBS  
Dr. Md Mohsin, MBBS  
Dr. Avijit Pal, MBBS  
Dr. Shamimah Siddique, MBBS  
Dr. Daipayan Bose, MBBS  
Dr. Pramit Giri, MBBS  
Dr. Monirupa Sarkar, MBBS  
Dr. Chandan Sarkar, MBBS

**Medical Oncology**

: Dr. Ketaki Moitra, MS, DMRT (Lond)  
Dr. Madhuchanda Kar, MD, PhD  
Dr. Rakesh Roy, MD  
Dr. Ajoy Shankar Samaddar, MBBS  
Dr. Phalguni Ray Chaudhury, MBBS  
Dr. Dilip Kumar Patra, MBBS

**Haematology & Paediatric Oncology :**

Dr. Rabindra Nath Ghosh, MRCPATH (Eng) (HoD)  
Dr. Chandan Sengupta, DCH (In-charge)  
Dr. Soma De, DCH (Dy.Incharge-Paed)  
Dr. Partha Pratim Gupta, MBBS (In-Charge – BMT)  
Dr. Shipla Roy, MD (Path)  
Dr. Madhumita Patra, MBBS  
Dr. Sankar Kumar Saha, MBBS  
Dr. Afrin Jahan, MBBS

**Medicine**

: Dr. Debasish Roy, DTM&H (Cal) DTCD (Cal)  
Dr. Buddhadeb Dasgupta, MD (Tuberculosis & Chest Disease)

**Gastro Enterology**

Dr. Dharendra Nath Guha Majumder, MD (Advisor)  
Dr. Indranil Saha, MD

**Cardiology**

Dr. Nirmalendu Nath, MD (Advisor)  
Dr. Prasanta Kumar Das, MD  
Dr. Gautam Das, Dip. Card  
Dr. Saroj Kr. Saha, MBBS, DPH

**Echo-Cardiography**

: Dr. Gautam Das, Dip Card



Dr. Prasanta Kumar Das, MD

**Neurology / Neurosurgery** : Consultants of Medica Super Speciality Hospital, & CMRI, Kolkata

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

**Pathology** : Dr. Sailendra Nath Sarkar, DCP (HoD)  
Dr. Shravasti Roy, DTM&H, MD (In-charge)  
Dr. Mala Banerjee, MD  
Dr. Subrata Chakraborty, MD  
Dr. Anuradha De, MD  
Dr. Maitrayee Saha, MD  
Dr. Piyabi Sarkar, MD  
Dr. Sanchita Biswas, MD

**Micro-Biology & Biochemistry** : Dr. (Prof.) Kalpana Karak (Paul), MD  
Dr. Jyoti Paul, MD  
Dr. Sandip Kr. Batabyal, PhD (Biochem Cal), FIC (India), FCAI (Delhi), FICS  
Dr. Pranab Sankar Bose, PhD (Biochem)  
Mr. Swagnik Roy, M.Sc.

**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)  
Dr. Surajit Pal, M.Sc., DRP, PhD  
Mr. Samarendu Sinha, B.Sc, DMRIT

**Medical Physics** Mr. Dibyendu Sen, Bsc, Fr DRP (BAARC )  
Mr. Rajdip Mitra, M.Sc (Phys), Post MSc Dip (Med Phy)  
Mr. Shivasakthi A, M.Sc (Med. Phys)  
Mrs. Anisha Dey (Paul) M.Sc (Phys) Post M.Sc.Dip(Med. Phys)  
Ms Antara Saha MSc (Phys) Post M.Sc.Dip(Med. Phys)



**Palliative Care&Pain Clinic**

- : Dr. Sankha Suvra Mitra, MS, DNB,FRCS,FRCR (Overseas Advisor)
- Dr. Gautam Bhattacharjee, DMRT, MD (HoD)
- Dr. RakeshRoy, MD (In-charge)
- Dr. Avijit Dam, MD, FCCP, FPM
- Dr. Suchanda Goswami, DMRT, MD (Bom)
- Dr. Ramapati Sanyal, MD, DNB (Anaes)
- Dr. Kuntal Ghosh, MBBS
- Dr. Chinta Haran Sikdar, MBBS

**Speech Therapy**

- : Sri Ujjal Sinha
- : Sri R Anantha Krishnan
- Smt. Soma Sinha

**Oncopsychology**

- : Dr. Indrani Basu Mallik, M.Sc., PhD

**Blood Bank**

- : Dr. Jnanabrata Sil, MBBS, DCH, PhD (Medicine)
- Dr. Ajit Kumar Pradhan, MBBS (In-Charge)

**Stoma Clinic**

- : Mr. K C Banerjee (Hony Advisor)- (Since deceased)
- Ms Atreyee Acharyee (Since deceased)
- Cancer Fight Foundation Members

**Breast Support Group**

- : Hitaishini
- Ms. Bijoya Mukherjee (President)
- Ms Nupur Chakraborty (Hony Secretary)
- Other Members

**Music & Art Therapy**

- : Smt. Papri Saha

**Research Division**

- : Dr. Samir Bhattacharyya, MS (HoD)
- Dr. Arnab Gupta, FRCS (Edin & Eng), FIAGES (Chief Cancer Control)
- Dr. Gautam Bhattacharjee, DMRT, MD (Chief of Epidemiology &Registry)
- Prof. Chitta Ranjan Chowdhury PhD (Japan), MPH (UK),FFDRCS (Ire),BDS (DU), DND (DU)(Chief, Head Neck PhD & Fellowship Program)
- Dr. Susanta Roychoudhury, Ph.D, FASE, FNASE, FASET (Chief Basic Research& Molecular Biology)
- Dr. Saradindu Ghosh, MS (Member Secretary , Institute Ethics Committee)
- Dr. Rahul Roy Chowdhury, FRCOG (Chief Clinical Trial Site Administrator)
- Dr. Tanmoy Chatterjee, DGO, MD (G&O) (Co-ordinator Clinical Studies)
- Dr. Biman Chakraborty, FRCOG, FACS
- Dr. Sarbajit Das, FRCS
- Dr. R N Ghosh, MRCP Path (Eng)
- Dr. Nidhu Ranjan Mondal, DGO, MD
- Dr. Tamohan Chaudhuri, DMRT, MD



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Dr. ShravastiRoy, DTMH, MD  
Dr. Dhruva Jyoti Mukhopadhyay, MS (ENT)  
Mr. Somsubhra Nath (PhD)  
Mrs.Fenella Simone Anthony (D'cruz)  
(Ethics Committee Co-ordinator)  
Ms Srijoni Sarkar (M Pharm)  
(Research Co-ordinator)

**Medical Records & Statistics**

Dr. Samir Bhattacharyya, MS (HoD)  
Dr. Gautam Dasgupta, MBBS, DCH (Medical Officer)  
Dr. Soumitra Banerjee, MBBS

**Assistants**

Mr. Debashis Banerjee  
Mr. Shambhu Das  
Mr. Chanchal Sarkar

**Cancer Control**

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

**DNB Students**

**Radiotherapy**

Dr. Sanchayan Mondal, MBBS  
Dr. Roopesh Reddy Yotham, MBBS  
Dr. Sujata Sarkar, MBBS

**Surgical Oncology**

Dr. Sor Prasad Totaram, MS  
Dr. Subrata Sahu, MS  
Dr. Manjare Rahul Ramrao, MS  
Dr. Syed Hassanujjaman, MS  
Dr. Sudip Halder, MS  
Dr. Suman Udatha, 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 2015-2016

#### A.3.1. Out-Patient Service

Parameter	Total
<b>New Patients Registered</b> (Male 5,746; Female 5,487)	<b>11,233</b>
<b>Total Number of OPD Consultation</b> (New 11,233; Old Follow-up 41154) (Male 26182; Female 25575)	<b>52387</b>

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

DEPARTMENT	REGISTRATION (MALE)	REGISTRATION (FEMALE)	TOTAL
Radiation Oncology	1000	610	1610
ENT	556	144	700
Gynecology	00	703	703
Hemato-oncology	541	328	869
Palliative Care	09	11	20
Medical Oncology	199	148	347
Surgical Head & Neck	484	168	652
Oncology Breast	13	892	905
Gastro Intestinal	564	507	1071
Urosurgery	148	32	180
Orthopedic	61	39	100
Others	953	353	1306
Miscellaneous +RRMC=1,433+1337	1,218	1,552	2,770
<b>TOTAL</b>	<b>5,746</b>	<b>5,487</b>	<b>11,233</b>

#### A.3.3. In-Patient Service (Admission)

Age Group	Male	Female	TOTAL
Pediatric (0-14 yrs)	330	220	650
Adult (15+ yrs)	6822	6078	12800
<b>TOTAL</b>	<b>7,152</b>	<b>6,298</b>	<b>13,450</b>

#### A.3.4. In-Patient Death

During the period, 572 admitted patients (4.25%) have expired out of 13,450 admitted patients. Most were in advanced terminal stage.



### A.3.5 Total Indoor Beds

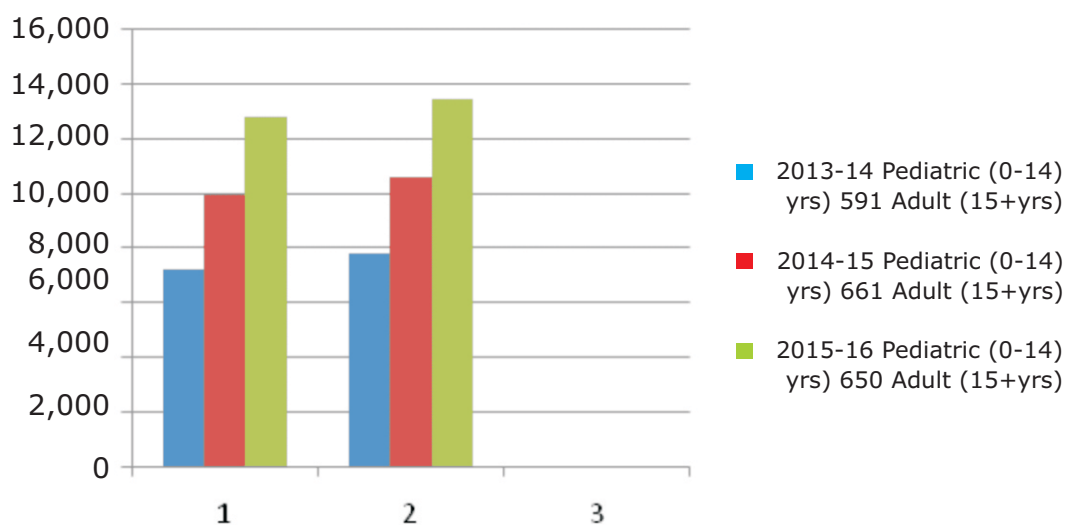
At present, this Institute has 311 indoor beds.

### A.3.6. Our Progress Out-Patient service: Department-wise Registration

DEPARTMENT		2013-14	2014-15	2015-16
Radiation Oncology		1,422	1,557	1510
ENT		700	762	700
Gynecology		660	676	703
Hemato-oncology		712	865	869
Palliative Care		36	21	20
Medical Oncology		398	415	347
Head & Neck		248	249	652
Surgical Oncology	Breast	659	771	905
	GI	1071	1181	1071
	Urosurgery	113	154	180
	Orthopedic	27	35	100
	Others	1547	1709	1306
Miscellaneous+RRMC		177	1719	2770
<b>Total</b>		<b>7,779</b>	<b>10,114</b>	<b>11,233</b>

### A.3.7. Growth over the years (In patient)

YEAR	Age Group	TOTAL	Age Group	TOTAL	GRAND TOTAL
2013-14	Pediatric (0-14 yrs)	591	Adult (15+yrs)	7,257	<b>7,848</b>
2014-15	Pediatric (0-14 yrs)	691	Adult (15+yrs)	9,986	<b>10,647</b>
2014-16	Pediatric (0-14 yrs)	650	Adult (15+yrs)	12,800	<b>13,450</b>





## A.4 Important activities of Major Therapeutic Divisions/ Departments

### A.4.1. Department of Radiation Oncology

This department is equipped with various State of the art equipment and is now at par with any other renowned Radiation Oncology department in our country. Our lists of equipment are:

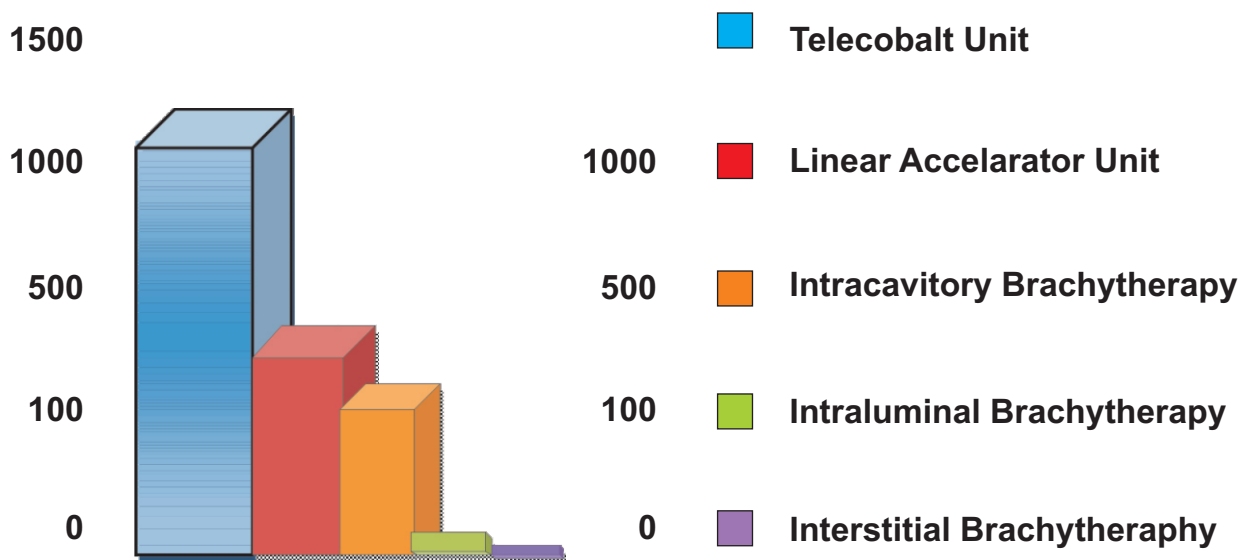
1. Telecobalt Unit–2 (Bhabatron II and Theratron Elite 80)  
Linear Accelerator Unit–1 (Siemens 6 MV – with MLC & 3DCRT) technique and also having Electron Beam with six energies)
2. Commissioning and installation of a **new Linear Accelerator machine** was done recently on our Founder’s Day ( 5th Dec,2016)  
Machine name : UNIQUE PERFORMANCE;  
Make : VARIAN MEDICAL SYSTEM;  
This machine will be able to deliver **IMRT, IGRT & Rapid Arc** conformal techniques
3. High Dose Rate Remote After-loading Brachytherapy unit (with Intra-cavitary, Interstitial and intraluminal facilities) – 1 (Microselectron HDR)
4. 3D- Treatment Planning System –2 (Oncentra ,Eclipse)
5. Conventional Teletherapy Simulator – 1 (Imagine, Panacea Medical System)
6. Linear Accelerator Unit Primus 15MV has been condemned and decommissioned on 30/07/2015

We also have facilities for Radio-Iodine ablation therapy, 1st of its kind in Eastern India. This service is provided with the help of Regional Radiation Medicine Centre (RRMC) under Variable Energy Cyclotron Centre (VECC), Department of Atomic Energy (DAE), Govt of India and we have been the pioneer in this field in Eastern India.

Our Medical Physics section has helped the Radiology department to obtain licenses for all X-ray based diagnostic machines from AERB through eLORA software.

### Turnover of Patients (April 2015 – March 2016)

THERAPY UNITS	TURN OVER OF PATIENTS
TELECOBAL UNIT	1338
LINEAR ACCELERATOR UNITS	475
INTRACAVITORY BRACHY THERAPY UNIT	475
INTRACAVITORY BRACHY THERAPY UNIT	216
INTRACAVITORY BRACHY THERAPY UNIT	7
INTERSTITIAL BRACHY THERAPY UNIT	1



#### Training and other academic activities:

1. We run DNB (Radiotherapy) course which is a post-graduate medical qualification conducted under the National Board of Examinations (NBE), New Delhi and recognized by the Medical Council of India. At present we have three students.
2. We also run a two year Diploma course for radiotherapy technicians (DRT course) under the supervision of WB State Medical Faculty.
3. Like previous years, 4 undergraduate Medical physics students from 'Gono Biswabidyalaya', Dhaka, Bangladesh underwent four weeks training in the Medical Physics section of Radiotherapy department.
4. Doctors and Medical Physicists of this department regularly present their activities in different scientific forums.
5. One year internship programme for Medical physics students as per Atomic Energy Regulatory Board, Mumbai. Our department is recognised by BARC for internship of newly qualified Medical Physicists.



#### A.4.2. Department of Surgical Oncology

The new state of the art OT complex consists of 5 advanced Operation Theatres and an annexed 8-bedded ITU. The Surgical Oncology Department is equipped with ultra-modern gadgets like Operating microscope, CUSA, Harmonic Scalpel, Intra-operative Ultrasonography, Radio Frequency Ablation and Tissue Link and can now perform a number of Complex Surgeries. With the advent of the Operating microscope, Oscillating saw, Reconstructive and Laryngoscopic procedures have got a boost. Our surgeons have been trained in reputed centres in India and abroad and the outcomes of such surgeries are encouraging.

With the full set up for advanced Liver surgery including CUSA (which was donated by Rotary Club of Calcutta Metropolitan, Singapore and The Rotary Foundation), Harmonic Scalpel, Intra-operative Ultrasonography, Radio Frequency Ablation and Tissue Link, Liver surgery has become much easier and is routinely performed with good results.

Laparoscopic surgeries are now done for GI, Urology and Gynaecological cases, enabling patients a quick, painless recovery.

With the regular use of LASER surgery, especially for early cancers of Head & Neck region, patients are able to avail of a new modality of surgical service.

Radio Frequency Ablation is performed for inoperable Liver and Lung cancers.

The **addition of HD Laproscopy set, full Urology instrument & Ligasure vessel sealing system** (Courtesy : **Indian Oil Petronas**) has made many complex Minimal Access GI surgeries & Urology procedures much easier.

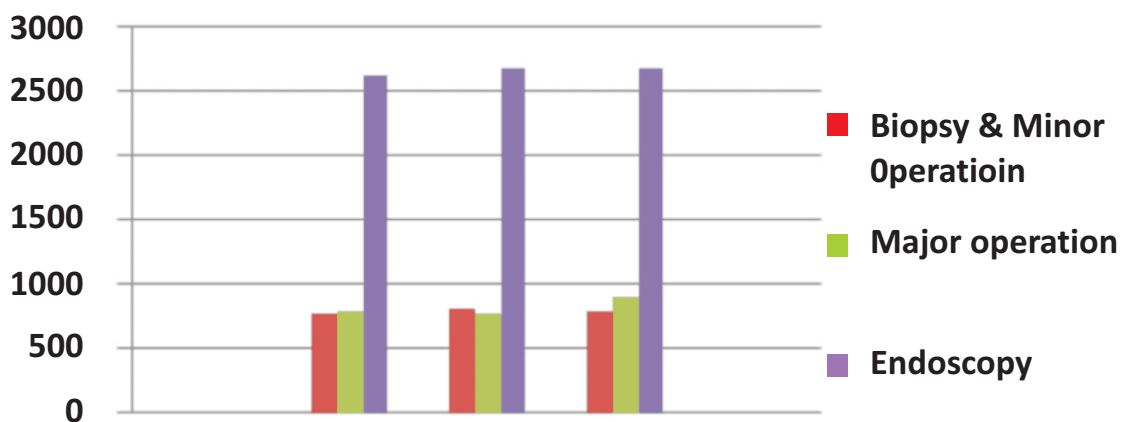
#### **Endoscopy:**

The activities in the Endoscopy department are increasing each year. The numbers of cases and the types of procedures have significantly increased over the past few years. We are now routinely performing Upper GI Endoscopy, Colonoscopy, Bronchoscopy, Fibre-optic Laryngoscopy, Nasal Endoscopy and ERCP. All kinds of therapeutic procedures are now performed, including biliary, esophageal, pyloro-duodenal and colonic stenting, dilatation, polypectomies, PEG etc.



Overall Performance during 2014-15 :

	TYPES OF PROCEDURES	Nos
BIOPSIES-	General	572
	TRUS guided biopsy	11
MINOR OPERATIONS	Total	228
MAJOR & SPECIAL OPERATIONS	<b>HEAD &amp; NECK SURGERY</b> (includes radical procedures for different oral cancers, plastic reconstructions, laryngectomies,thyroidectomies, radical neck dissection,)	252
	<b>BREAST SURGERY</b> ( Includes oncoplastic Breast conservation , Radical and Modified Radical procedures)	227
	<b>GASTRO INTESTINAL SURGERY</b> (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
	<b>GENITO URINARY SURGERY</b> (Includes operations for male genitalia, kidney, urinary bladder, prostate and transurethral procedures)	98
	<b>GYNAECOLOGICAL SURGERY</b> (includes surgeries for uterus, cervix, ovary and vulva)	83
	<b>OTHERS</b> (Includes various others procedures like Thoracic Surgery, wide excision of tumour, amputations, plastic operations for skin cancers etc.)	57
	<b>Total</b>	<b>920</b>
ENDOSCOPY	Cystoscopy	333
	Colposcopy	24
	Bronchoscopy	63
	Colonoscopy	355
	UGI Endoscopy	652
	Laryngoscopy	802
	Nasal Endoscopy	164
	E.R.C.P.	86
	Oesophageal (17), Duodenal (13)	30
	Endoscopy guided Ryles Tube Insertion	75
	FOL Ryle's Tube Insertion	36
	Polypectomy	10
	Colonic Stenting	03
	UGI Dilatation	24
	<b>TOTAL</b>	<b>2657</b>
	<b>GRAND TOTAL</b>	<b>MINOR &amp; MAJOR SURGERIES &amp; ENDOSCOPY</b>



#### Future goals:

- Increase patient turn-over
- More Laparoscopic & Reconstructive procedures with 3-D printing technology

#### A.4.3 Department of Medical Oncology

- The Chemotherapy department has been restructured. An average of 50–60 patients is seen daily, 6 days a week. The patient pool consists of new patients, patients currently undergoing chemotherapy and patients on follow up.
- A Specialist Sister In-charge has been deputed in order to facilitate the chemotherapy administration. Queries of patients and caregivers regarding timings, appointments, blood tests are being dealt very nicely. This has definitely increased patient and caregiver satisfaction.
- An important and patient friendly strategy has been developed this year. The ultra short courses of chemotherapy (growth factors, bisphosphonate infusion, Fulvestrant, LHRH analogues) are now being administered 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 (> 5 hours) 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.
- Overall the comfort level of the patients has definitely improved. It is now a centrally air conditioned 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.
- Thanks to the free counseling offered by “Hitaishini” for breast cancer affected patients. The department 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.



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- Regular dietary counseling for the patients taking chemotherapy from the Daycare has been initiated. Nutrition is an important part of treatment which oncologists tend to ignore.
  - Hand held printouts depicting the Do's and Don'ts 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. Besides this, cancer awareness handouts along with palliative care awareness handouts are also distributed for patient education.
  - 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.
  - There is the provision of performing therapeutic and diagnostic abdominal paracentesis and pleurocentesis in the day care
  - Holiday rounds are prefixed to avoid inconvenience to the patients.
  - Concomitant chemoradiation, as a part of multi-modality treatment of cancer, is offered in this Institute for diverse cancers such as, rectal cancer, advanced head and neck cancer, advanced non-small cell lung cancer, cervical cancer etc. In selected cases, this is done on an out-patient basis.
  - Greater use of chemoport devices. This device is mainly used for patients who need long and frequent chemotherapy cycles, especially in the adjuvant setting.
  - 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 along with update discussions.
  - 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, Dr K Maitra and Dr R Roy have been invited as Speaker or Panelist in several national cancer symposia. Dr R Roy was invited as an International Faculty in Kathmandu for a Breast Cancer Symposium.
  - The Medical Oncology department has been involved in Global Clinical Trial in Lung Cancer.





No. of patients who received Chemotherapy from Apr-March 2015 - 16 at the Day Care department of SGCCRI, Thakurpukur.

APRIL'15	433
MAY '15	441
JUNE'15	492
JULY'15	499
AUGUST'15	500
SEPTEMBER'15	503
OCTOBER'15	419
NOVEMBER'15	467
DECEMBER'15	485
JANUARY'16	431
FEBRUARY'16	460
MARCH'16	521
<b>Total no of patients:</b>	<b>5621</b>

**TOTAL NO. OF GENERAL CATEGORY PATIENTS SEEN AT MEDICAL ONCOLOGY OPD, SGCCRI FROM APR - March 2015 - 16.**

APRIL'15	650
MAY '15	625
JUNE'15	631
JULY'15	575
AUGUST'15	585
SEPTEMBER'15	603
OCTOBER'15	473
NOVEMBER '15	555
DECEMBER'15	300
JANUARY'16	700
FEBRUARY'16	420
MARCH'16	655
<b>Total no of patients :</b>	<b>6772</b>

**New cases under Medical Oncology Department from Apr – March 2015-16**

APRIL	14
MAY	15
JUNE	10
JULY	15
AUGUST	13
SEPTEMBER	16
OCTOBER	11
NOVEMBER	17
DECEMBER	14
JANUARY	12
FEBRUARY	15
MARCH	14
<b>TOTAL NO. OF PATIENTS :</b>	<b>166</b>

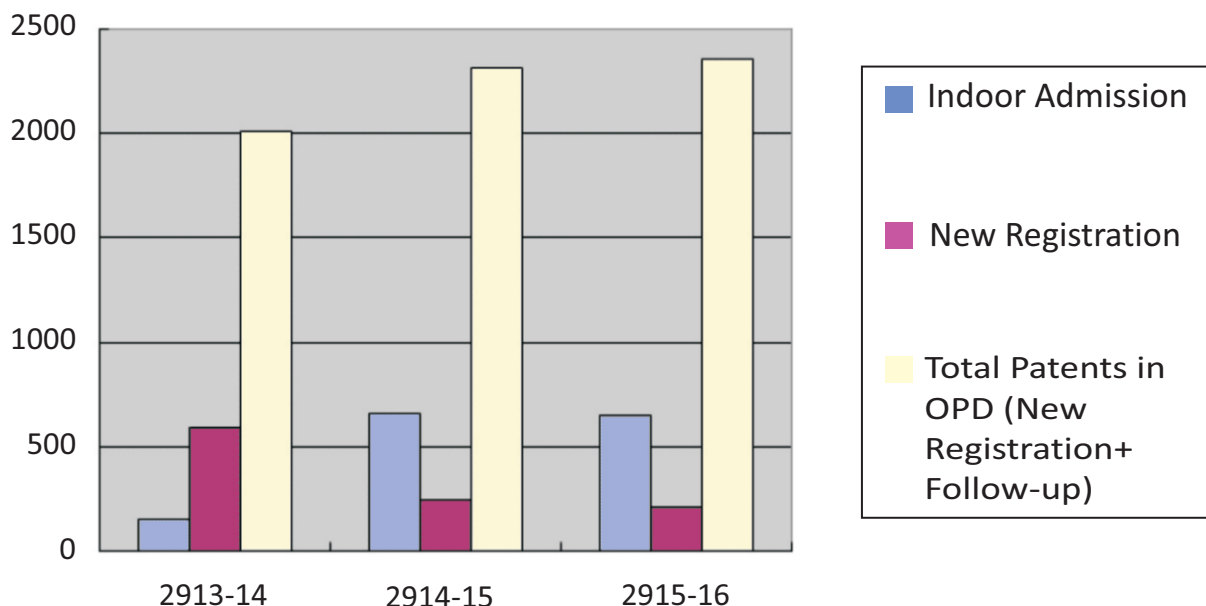


**Our Pediatric (0-14yrs) patients services for the year 2015-2016**

Parametres Age(0-14)	Male	Female	Total
Indoor admission	330	220	650
New Registration	125	85	210
<b>Total Patients In OPD (New&amp; Follow Up)</b>	<b>1555</b>	<b>800</b>	<b>2355</b>

**Year Wise Pediatric (0-14yrs) 3 Yrs Table and Bar Chat shows**

YEAR	Age Group (0-14)	2013-14	2014-15	2015-16
2013-14	Indoor Admission	155	661	650
2014-15	New Registration	591	243	210
<b>2015-16</b>	<b>Total patients in OPD(New&amp;Follow-up)</b>	<b>2011</b>	<b>2312</b>	<b>2355</b>



**New Registration**

West Bengal	Jharkhand	Bihar	Tripura	Assam	UP	Neighbouring Countries	Total
114	32	10	1	1	1	51	210

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



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## Notable activities of Pediatric Oncology Division (2015-16)

### Celebration held between financial year 2015-16

1. Birthday Celebration in every month
2. Fund raising presentation done by social worker in a nurses workshop
3. Bengali New Year celebration in the month of April 2015
4. Nurses Day Celebration
5. Doctor's Day Celebration in the month of July 2016
6. Decorated the Rath with colourful papers and Rathayatra celebration
7. Independence Day Celebration
8. Our pediatric children prepared Rakhi which were sold for fund raising for the poor children . Children tied the Rakhi to each other
9. Puppet show every Saturday
10. Magic show
11. Drawing competition in the ward sponsored by donors
12. Distributed Big Bazar gift coupons & 4 set of garments to each patient
13. Visited pandals during the Durga Puja by hospital car
14. Childrens Day Celebration . Pediatric children performed in the programme
15. 11 children attended the HERO Indian Super League at Salt Lake stadium
16. Christmas celebration, cut the cakes, Santa Claus distributed chocolates and gifts to each pediatric patient
17. Special meals distributed by donors
18. Holi celebrations and sweet distributed to each pediatric patients
19. World Cancer Day Celebration
20. Eastern Indian Paediatric Oncology Forum (EIPOF) meet on 12-03-2016
21. Basic Life Support
22. Awareness programme like hygiene, cancer, infection control etc



□ **Bone Marrow Transplant Unit:**

The bone marrow transplant is functional since August 2012. Till November 2016, a total of 30 cases of autologous transplant have been done in this unit (Multiple Myeloma 25, Relapsed NHL 3, Relapsed HL 1 and Plasma Cell Leukemia 1). Majority of Multiple Myeloma patients are doing very well and 13 out of 16 Multiple Myeloma patients are found to be in complete remission at the last follow up. There is no transplant related mortality and two patients died so far due to relapse of disease. 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 allotransplant 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 USA.

In order to further 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.

We organized an awareness programme through a Press Meet in Press Club on 28th June 2016 after completion of 25 consecutive successful Autologous Bone Marrow Transplants.

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



#### A.4.4. Department of Nuclear Medicine:

##### Activities Of The Regional Radiation Medicine Centre, VECC, Year-2015-16

###### 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, Thakurpukur.

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

###### Nuclear Imaging:

At the RRMCM Nuclear Imaging is performed on the Dual Head Gamma Camera with SPECT and CT facilities (INFINIA with Hawkeye).

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

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

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

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

135 patients underwent various Nuclear Imaging Studies every month on an average.

###### In vivo non-imaging:

The main In-vivo non-imaging studies being performed at the RRMCM is Thyroidal Iodine-131 uptake studies for various diseases of the thyroid gland.

20 patients underwent I-131 Uptake Studies every month on an average.

###### Radio Nuclide Therapy:

- ◆ Low dose I-131 therapy of Thyrotoxicosis (upto 15mCi of I-131)[ on OPD basis] is being carried out regularly. 150 patients underwent I-131 Therapy during this year
- ◆ I-131 therapy for Cancer Thyroid patients is, also being carried out regularly. A total of 93 patients of Cancer of Thyroid were administered I-131 therapy at RRMCM during this year (on IPD basis).



### Research Activities:

Besides its routine activities, RRMCC also carries out some research and development activities. At present, we carry out collaborative research projects with the Indian Institute of Chemical Biology, Kolkata, and the unit of BRIT at VECC, involving animal imaging using various newly developed radiopharmaceuticals

1 research papers based on these collaborative studies involving the RRMCC has been published in international journal this year.

No. of patients who underwent various types on nuclear imaging at RRMCC during the FY year 2015-16 is presented in the following table:

Name of scan	No. of Scans
Bone	436
Renogram	476
Thyroid	311
I-131 Large dose	158
Hepatobiliary	66
DMSA	141
Other	32
<b>Total</b>	<b>1620</b>

### 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 has in collaboration with M/s EKO Diagnostic completed the list of radio-diagnostic equipments that befits a comprehensive Tertiary Cancer Centre.

Recently our old CT Scan Machine has been replaced by **16 Slice Siemens make Somatom Spiral C.T. Scan 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 2015-16.



SERVICES	No of Patients
Conventional Radiology	8,083
Ultrasonography	3,422
Echocardiography	3,182
CT Scan	5724
PET-CT Scan	1267
MRI	947

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 ) Biopsyprocedures. The work load of the CT scan unit is shown in the following table.

Month, Year	CT Scan	CT Guided FNAC &Tru - cut	Radiotherapeutic Planning
April,2015	431	67	27
May,2015	437	64	36
June,2015	501	77	48
July,2015	75	12	01
Au,ust/2015	409	61	27
September,2015	480	61	34
October,2015	348	46	12
November,2015	591	83	37
December,2015	446	71	45
January,2016	489	79	27
February,2016	406	84	23
March,2016	487	87	44
<b>TOTAL</b>	<b>5100</b>	<b>782</b>	<b>361</b>

CT Scan	5100
CT guided FNAC & Core Needle Biopsy	782
Radiotherapeutic Planning	361
<b>TOTAL</b>	<b>6243</b>



Month/Year	X-RAY		USG	ECHO
	Patients	Exposure		
April,2015	633	825	286	235
May,2015	706	887	321	264
June,2015	708	920	316	287
July,2015	629	797	301	246
August,2015	774	996	325	270
September,2015	636	814	235	290
October,2015	613	811	230	231
November,2015	667	838	252	274
December,2015	709	951	296	275
January,2016	652	843	281	253
February,2016	656	859	275	250
March,2016	700	847	304	307
<b>TOTAL</b>	<b>8083</b>	<b>10,388</b>	<b>3422</b>	<b>3182</b>

#### 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
- **An automated embedding station – Arcadia Histotec** has been installed in Histopathology; this has facilitated tissue block preparation ( courtesy: **Garden Reach Ship Builders and Engineers Ltd.** )
- Two equipment have been installed in Biochemistry – an **ELISA reader** and washer for certain tumor markers and a **CONSORT analyser** for serum protein electrophoresis and immunofixation
- **An Automated Microbiology Section** has been installed– this has enabled accurate antibiotic sensitivity studies
- CT guided trucut biopsies have increased especially for lung tumors in which a combination of histopathology and IHC have enabled clinicians to decide on targeted therapy





Haematology	80,500
Clinical pathology	980
Histopathology	15,414
Microbiology	6,170
Immuno Histo Chemistry	6,114
Biochemistry (including tumor markers)	2,07,143
FNAC (Direct 626; CT guided 423; USG guided 269)	1,318
Slide Review	9,164
PAP Stain	442
Serology(HBsAG,HIV,HCV&Others)	14,546

#### 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.

The department also carries out in-house orientation training for newly appointed staff nurses. This year 18 ANM and 24 GNM trainee nurses had orientation training for full one month duration on different topic of nursing. This department also imparts oncological nursing orientation training to student nurses of different schools and colleges of Kolkata who visit our hospital regularly. During the year 2015-16, nursing students from **25 different nursing Schools and Colleges attended such orientation courses.**

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.



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.

Childhood cancer workshop, NRT clinic, Training on spirometry, insertion and nursing management of PICC line (Peripherally Inserted Central catheter) by Bard Company and workshop

on prevention of oral cancer in Tata Medical Centre, Kolkata are some of the seminars and workshops attended by our sisters- in-charge and nursing administrators.

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.

#### **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.

#### **Blood Banking Services for FY 2015–16 (All figures are in Units)**

##### **A) General**

Month h/Yr	Outside		In-House	Total	Whole Blood Component Prepared					Rejection	Balance after rejection	Issue				
	Camp	donor	Collection	Collection	WB	PRBC	FFP	PLT	Total			WB	PRBC	FFP	PLT	Total
04/15	6	396	53	449	142	307	307	235	991	10	981	57	272	228	227	784
05/15	5	306	103	409	147	258	258	224	887	4	883	235	241	170	186	832
06/15	2	169	87	256	83	173	173	172	601	2	599	121	261	134	213	729
07/15	6	325	30	355	121	234	234	160	749	17	732	122	227	154	134	637
08/15	10	692	8	700	424	276	276	181	1157	78	1079	281	235	227	149	892
09/15	2	135	14	149	36	113	113	77	339	19	320	207	148	258	109	722
10/15	8	522	9	531	232	299	299	148	978	52	926	153	270	183	136	742
11/15	8	480	6	486	207	279	279	108	873	38	835	232	292	161	107	792
12/15	8	729	5	734	392	342	342	96	1172	63	1109	310	270	176	94	850
01/16	14	876	1	877	362	377	377	122	1238	73	1165	285	270	225	87	867
02/16	12	747	0	747	438	309	309	115	1171	73	1098	365	194	238	102	899
03/16	8	646	0	646	282	364	364	166	1176	67	1109	398	325	334	166	1218
<b>Total</b>	<b>89</b>	<b>6023</b>	<b>316</b>	<b>6339</b>	<b>2866</b>	<b>3331</b>	<b>3331</b>	<b>1804</b>	<b>11332</b>	<b>496</b>	<b>10836</b>	<b>2761</b>	<b>3005</b>	<b>2488</b>	<b>1710</b>	<b>9964</b>



## B) Special Procedures

2015-16	Apr-15	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec-15	Jan-16	Feb-16	Mar-16	Total
Platelet-pheresis	1	4	8	3	3	4	3	3	9	9	8	8	84
Plasma-pheresis	0	0	0	0	0	0	0	0	0	0	0	0	0
Stem-cell Harvest Autologous	1	0	2	0	0	1	0	1	3	0	2	1	11
Therapeutic Phlebotomy	0	0	0	2	1	5	0	0	0	2	0	0	10

### A.5.3. Pain Clinic and Palliative Care Services.

Concept of Palliative Care existed since the inception of this Institute. 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 endeavor of this Welfare Home was oriented towards reaching the facilities of Cancer Treatment and Palliative Care to the cancer patients.

A 4-bedded “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 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. After his return, the Palliative Care service of this centre was initiated in 1992. It provided free consultation for acute and chronic pain relief in accordance to WHO guidelines. This Institute obtained license for oral morphine from the Drug Controller and Central Excise Departments for procurement (MD-3) and stocking and distribution (MD-6). With the help of voluntary services of other doctors of Radiation Oncology Department, this unit functioned smoothly. It provided services of pain control and provided oral morphine free of cost to our Out-patients and In-Patients. More than 800 patients used to avail this service every year. Our department of Anesthesia was always involved to relieve intractable neuropathic pains with the help of spinal and local blocks under C-arm image guidance. Neurophysicians and Neurosurgeons from various centers were sometimes consulted.

This unit was upgraded and inaugurated on 2nd August 2010 to the status of a department with new recruitment of staff and their further training. The patronage came from our Honorary Overseas Advisor Dr. Sankha Suvra Mitra & Indo – American Cancer Association. Dr Rakesh Roy, the acting in charge of this department was bestowed with the prestigious Commonwealth Scholarship for completing his Diploma in Palliative Medicine in 2012 and was also selected for the renowned IDEA Award in Palliative Care at Chicago in the same year.



Since then this department has gone from strength to strength. The existing services were improved. The number of referrals from other departments and hospitals increased. Palliative care became more acceptable to a larger proportion of patients and their relations.

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

- OPD Service
- Indoor Service
- Free Domiciliary Care Service.
- Interventional pain control service for relief of intractable neuropathic pain.

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 continue the good care by extending services to home.

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 logistical support. The operational field is a radius of 25-30 km once weekly entirely free of cost. "Helpage India" had provided the Domiciliary Service Ambulance thereby making this domiciliary service more regular.

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 approach to morphine.

#### Services rendered by Palliative Care Department

The following Table shows the details of the services provided:

Month/Year	OPD Turnover (1)	Indoor Turnover (2)	Total Turnover (1+ 2)	Home Visits
Apr-20115	87	44	131	14
May-2015	76	61	137	24
Jun-2015	142	63	205	24
Jul-2015	119	64	183	26
Aug-2015	77	73	150	08
Sep-2015	102	73	175	17
Oct-2015	74	57	131	13
Nov-2015	76	00	76	14
Dec- 2015	81	55	136	20
Jan-2016	73	73	146	13
Feb-2016	65	85	150	23
Mar-2016	70	83	153	22
<b>TOTAL</b>	<b>1230</b>	<b>1010</b>	<b>2240</b>	<b>153</b>



#### Achievements :

Recognition of Our Palliative Care Department by :

- European Society of Medical Oncology ( ESMO )
- Royal College of General Physicians London for 1 year outreach training of G.P. trainees in our centre. We have already trained 2 young lady doctors from London, & 3<sup>rd</sup> one is currently undergoing training

#### 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 work-load of the cardiology department during 2015-16 is shown in the following table.

SERVICES	No. of Patients
Cardiological Check-up	1,744
ECG with opinion	4,238
Echocardiography	3,182

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

#### A.5.5. Alaryngeal Speech Therapy Unit

Suitable cases of Cancer of Larynx can be treated successfully by total surgical removal of the larynx (the voice-box situated in the neck). However, the patients become alaryngeal (mute) for the rest of their lives as a result of such operations. The Laryngectomee Club (headed by late **Mr Bibhuti Chakraborty** – himself a laryngectomee) runs a clinic every alternate Saturday to teach patients to talk satisfactorily by manipulating air gulped in the upper part of the esophagus (the food-pipe). 30 patients were managed in the Laryngectomee club during the year. Apart from attending the laryngectomized patients, this unit also takes part in cancer awareness programmes, and in the Tobacco Free campaigns.

Mr Chakraborty used to run the service voluntarily at our center to the patients for over 35 years. Recognitions of his voluntary services have come from various sources. We thankfully acknowledge his contribution.

After the sad demise of Mr Chakraborty, the unit is run presently by two volunteers – **Mr Ujjal Sinha** and **Ms Soma Sinha** from Jamsedpur. The management of this Institute appreciates their untiring benevolent work.



#### A.5.6. Stoma care Services

Our hospital has been the first center in Eastern India to run a free Stoma Clinic for last three decades under the leadership of **Mr. KC Banerjee** (a survivor). The clinic got a major boost with the joining of our trained nursing staff **Ms Atreyee Acharyya**. After their sad demise recently, **Cancer Fight Foundation**, an N.G.O, has taken up the responsibility of managing the Stoma Clinic. The free clinic runs every Friday between 2-4 P.M.

#### 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, and 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 management of this Institute appreciates the noble services of this benevolent group. The following table gives an overview of the functioning of this unit during 2015-16

1	Total patients attended & Counseled	239
2	Medicinal Support	54
3	Providing breast accessories	51
4	Providing machine massage for Lymphedema patients	6

#### A.5.8. Psychological Support Service

We have a special OPD service for psychological counseling for patients and their close relations run by Mrs. Indrani Basu Mullick & Ms. Sangeeta Das. Many patients avail the service over the year.



#### A.5.9. Nutritional Support Service

Nutritional status of a patient often becomes a decisive factor in determining the therapeutics and treatment outcome. With active help of competent dieticians, this Institute helps patients who develop nutritional problems before, during and after treatment. This unit also provides basic nutritional guidelines to the patients during palliation. We have also a dedicated Dietician for the children supported by **Cuddles Foundation** (NGO based in Mumbai ) which also provide Nutritional Supplements free to all the children. We also get Nutritional Support for children from **Can Kids** (Delhi).

#### A.5.10 Nicotine Replacement Therapy (NRT) Clinic

The Nicotine Replacement Therapy Clinic at SGCCRI, 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 Ranjan Chowdhury**, affiliated with University of Warwick, NITTE University of Mangalore and Nara Medical University of Japan. This Clinic is conducted on Thursdays and 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 May 31st 2016 World No Tobacco Day was observed. Kolkata Ekatma, in collaboration with NRT Clinic organized a Tobacco and NRT awareness Programme on that day at Maheshtala with enthusiastic participation from the local community.

A certificate Course on "Nicotine Replacement Therapy" was conducted by Prof C. Chowdhury with 25 candidates who participated in it.

#### 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 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, AIIH & 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. 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 Theatres, Intensive Therapy Units and Wards, The resultant micro lab map of the institute shall help us to serve our patients in a better way. We sincerely hope to maintain 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.

## B. DIVISION OF RESEARCH, ACADEMICS & CANCER CONTROL

The Division of Research is divided into a Clinical Studies Division (which coordinates Clinical Drug Trials and Interventional Clinical Trials), a Molecular Biology section, and an Epidemiological Research section. The division also has an Academic Section, and a Records section.

A Research Advisory Board, composed of eminent personalities (from major institutes in India) in different fields of cancer research, is the guiding body of the Research Division. The Research Sub-Committee, composed of research-oriented persons of this institute, discuss on the merits and demerits of proposed studies, and make recommendations to the Institute Ethics Committee.

### Recognition

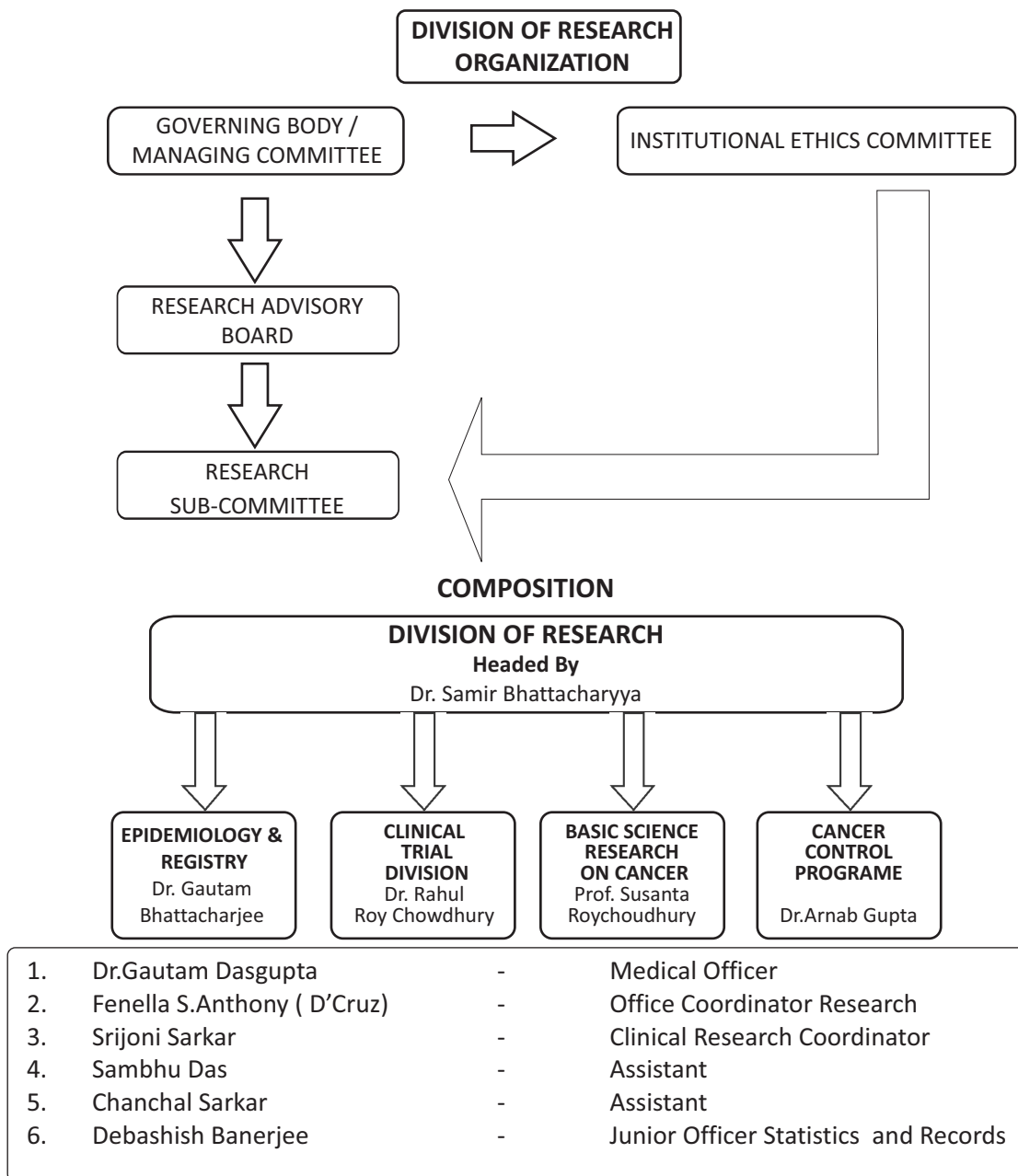
- The Department of Scientific & Industrial Research (DSIR), Government of India recognizes this Institute as a “Scientific & Industrial Research organization (SIRO)”. As a result of this recognition, donation to the scientific activities of this Institute qualifies for exemption u/s 35(i) (ii) of Income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





**Other Highlights**

- SGCCRI has now developed its own molecular biology research laboratory under the stewardship of Dr.Susanta RoyChoudhury .
- Dr.Somshubra Nath has joined as a full time scientist along with Dr.Susanta Roychoudhury





## **RESEARCH ADVISORY BOARD**

Research Advisory Board (RAB) was reconstituted on the advice of the Governing Body/ Managing Committee of SGCCRI, on 8th July 2016. The Board meets periodically and reviews Research activity undertaken in this institute.

## **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 Thursdays and discusses research proposals from external as well as in house researchers as well as 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 (ver 1.1) 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 13 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.

## **B.1 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 sub divisions are as follows:

### **RESEARCH ACTIVITIES**

- i. Activities on cancer epidemiology & cancer registry**
  - Development of an Atlas of Cancer in India (NCRP, ICMR)
  - Population Based Cancer Registry (PBCR), Kolkata.
  - Activities of Special Cell for PBCRs of NE India.
  - Development of Hospital based Cancer Registry.



**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.
- Global Atlas Project: With CRT, Oxford, UK
- 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**

**Vision**

The current basic research at the 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. We are also offering molecular diagnostic tests for the detection of leukemia, lung cancer etc.

**Our team**

**Research Investigators**

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

**Lab Members**

1. Ms. Prema Kumari Agarwala (Junior Research Fellow)
2. Md. Aliul Ajim (Lab Technician)

**Ongoing research projects in Molecular Biology:**

**1. Delineating a novel transcriptional regulatory role of APC/CCdc20 complex and its impact on chromosomal instability in oral cancer** (Sanctioned under Extra Mural Research Scheme from Science and Engineering Research Board (SERB), Govt of India)

The spindle assembly checkpoint (SAC) ensures accurate chromosome segregation during mitosis. Cancer cells are often riddled with abnormal chromosome number, called aneuploidy. An optimum level of aneuploidy determines cellular fate between proliferations or death, which, in turn is determined by intracellular level of the SAC proteins. We have discovered a novel transcriptional regulatory role of the APC/C-Cdc20 complex, which is the target of SAC regulation. Currently we are studying detail mechanisms of transcriptional function of APC/CCdc20 complex.

**2. Deciphering CUEDC2-mediated molecular crosstalk between aneuploidy and receptor status of breast tumors** (sanctioned for Early Career Award, ECR/2015/000206 to Dr. Somsubhra Nath from



Science and Engineering Research Board (SERB), Govt of India)

The newly identified protein CUEDC2 is reported to be involved in the regulation of spindle assembly checkpoint (SAC) in proliferating cells. CUEDC2 promotes metaphase to anaphase transition of the cells by switching the SAC off. Deregulation of this phenomenon yields mitotic abnormalities resulting in the onset of aneuploidy. Indeed, CUEDC2 also down regulates breast tumor-associated hormone receptors, namely progesterone receptor (PR) and estrogen receptor- $\alpha$  (ER- $\alpha$ ), at the protein level. Here, we aim to investigate CUEDC2-mediated mitotic abnormalities and aneuploidy, and their possible association with receptor status of breast tumor.

### **3. Deciphering the metastatic potential of secretory HMGB1 in receptor-specific breast cancer**

High mobility group box-1 (HMGB1) is identified in body fluids, under certain conditions. The presence of secretory HMGB1 in tumor microenvironment is reported to induce metastasis, neo-angiogenesis and resistance to drug therapy. A separate study reported high serum levels of HMGB1 in patients with breast tumor. However, the nature and mode of HMGB1 secretion from breast tumors remain largely unknown. Here, we aim to examine the pattern of HMGB1 secretion in breast cancer patients, categorised based on their receptor specificities. Next, at the molecular level, we aim to investigate the role of extracellular HMGB1 in breast cancer progression. Furthermore, we aim to dissect the involvement of extracellular HMGB1 and its downstream signalling in breast cancer.

#### **B.2 Academic activities:**

- PhD programme in Cancer Cell and Molecular Biology
- Short- and long-term summer training programme in Cancer Cell and Molecular Biology
  - iii. Clinical Trials (regulatory trials)
  - iv. Molecular Diagnostics
- Molecular Diagnostic Test for BCR-ABL fusion detection (for CML and AML leukemia)
- EGFR mutation detection (for lung adenocarcinoma)

#### **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, 3 students, Dr. Sanghamitra Jena, Dr. Sujay Bala and Dr. Vivek Kumar Malhotra passed theory and practical examinations.

DNB (Radiotherapy – Specialty): One student is enrolled to the course each year. This year, Dr. Sumit Pandita passed theory and practical examinations.

#### **Paramedical Courses**

This Institute conducts 2-years + 6 months internship diploma courses in Paramedical sciences



recognized by the State Medical Faculty of West Bengal (WBSMF). We conduct the following 4 courses:

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

In the current year, 10 DMLT-Tech, 4 DRD-Tech and 4 DRT-Tech and 4 DOTT students have been admitted. All the courses are running smoothly.

**Other Academic Activities:**

- i. CME Programme: 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:**

**PROJECTS:**

**BASIC RESEARCH IN CANCER BIOLOGY:**

Sl. No.	Topic of research	Principle investigator	Status
1.	Association of genetic polymorphism of matrix metalloproteinase's (MMPs) and their expression in epithelial ovarian cancer	Dr Susri Ray Chaudhuri PhD (Research Associate), IICB, Dr Snehaswikta Swarnakar, Senior Scientist IICB, Dr Rahul Roy Chowdhury MRCOG, SGCCRI Thakurpukur	Ongoing
2	A prospective study: MAB-DAS-1 Positivity in gastric adenocarcinoma in eastern India	Dr. S Das Dr. S Bhattacharyya, SGCCRI	Ongoing
3	Variation in Human Gene Expression among women from four states of India: genomic correlates, gene regulation, and impact on HPV 16 related cervical cancer pathogenesis	Dr Sharmila Sengupta, Professor, National Institute of Biomedical Genomics, Dr Rahul Roy Chowdhury, Dr N R Mondal, SGCCRI	Ongoing
4	Understanding non- Hereditary Paediatric colorectal cancer	Dr Kartiki Desai, National Institute of Biomedical Genomics, Kalyani and Dr A Gupta SGCCRI	Not yet started



Sl. No.	Topic of research	Principle investigator	Status
5.	Evaluating the gene expression profile of breast cancer stem cells which are resistant to conventional chemotherapeutic drugs	Dr Urmi Chatterji, Department of Zoology, Calcutta University, Dr. Sanghamitra Jena ,	Ongoing
6.	HPV 16 Methylome, methylation and gene expression status of host genes: influence on cervical cancer pathogenesis.	Dr Rahul Roy Chowdhury, SGCCRI and Dr Sharmila Sengupta NIBMG	Ongoing
7.	HPV in Head Neck Squamous cell Carcinoma (HN- SCC): Clinico- Pathologic management correlation	Dr Samir Bhattacharyya, SGCCRI and Dr Saradindu Ghosh SGCCRI	Ongoing
8.	Identification of prognostic markers of human breast cancer towards metastasis in East Indian population: A special focus to immune regulatory molecules	Dr. Arnab Gupta, SGCCRI and Mr. Arindam Bhattacharya, Assistant Professor, CU	Ongoing
9.	Role of TGFβ <sub>2</sub> -Receptor-II In Carcinogenesis of Breast Cancer And Its Correlation With Histological And Immuno histochemical Features	Dr. Arnab Gupta, SGCCRI, Mr. Arindam Bhattacharya, Assistant Professor, CU and Dr Palash Kumar Mandal, Associate Professor, Pathology, NBMCH Hony. Consultant pathologist, SGCC & RI	Ongoing
10.	To find the role of reactive oxygen species in development of human gastric cancers and to find suitable chemo-preventive agents	IICB, Kolkata	Ongoing
11.	Axillary Reverse Mapping in breast Cancer	Dr S Bhattacharyya	
12.	Induction Chemotherapy in OSCC	Dr S Ghosh	Completed & Published
13.	Carcinoma Gall Bladder T and N correlation	Dr A Gupta	Ongoing
14.	Hypo fractionated EBRT in advanced head and neck cancer	Dr G Bhattacharjee	Ongoing
15.	Delineating a novel transcriptional regulatory role of APC/CCdc20 complex and its impact on chromosomal instability in oral cancer	Dr S Roychoudhury	Ongoing



Sl. No.	Topic of research	Principle investigator	Status
16.	Deciphering CUEDC2 mediated Molecular crosstalk between Aneuploidy and receptor status of breast tumors	Dr S Nath	Ongoing
17.	Deciphering breast tumor specific Secretion of damage associated Molecular pattern protein HMGB1 and its role in breast cancer progression	Dr S Nath	Ongoing
18.	Rectal cancer: molecular determinants of resistance to neo-adjuvant chemo-radiation	Dr S Bhattacharyya	Ongoing
19.	Impact of BCR-ABL mutations on front-line tyrosine kinase inhibitor therapy: an Eastern Indian cohort study	Dr S Nath	Ongoing
20.	Cell free circulating tumor DNA as liquid biopsy for cancer stratification and monitoring in breast cancer patients from Indian cohort	Dr.S.Roychoudhury Dr. S Nath	Ongoing
21.	Creation of tissue bank repository and patient-derived cell line	Dr. S Roychoudhury	Yet to be started

**CLINICAL TRIALS/ INTERVENTIONAL TRIALS:**

Sl. No.	Topic of research	Principle investigator	Status
1.	A prospective non-randomised trial of Squamous Cell Carcinoma of cervix uteri of stage IB2, IIA, IIB pretreated with three cycles of Neo Adjuvant Chemotherapy (NACT) followed by surgery after down-staging to stage IB1 followed by active surveillance	Dr N R Mondal, Dr R Roy Chowdhury, Dr Biman Chakrabarti, Dr T Chatterjee, Dr J Basak (Dept of Gynaecological Oncology SGCCRI)	Closed
2.	A Prospective, Comparative, Randomized Multicenteric Phase III study of Rituximab in Patients with Non Hodgkin's Lymphoma	Dr. R.N Ghosh,SGCCRI	Closed
3.	A Phase II Clinical Study to evaluate the efficacy and safety of NRC – AN – 019 in cancer patients failing standard prior therapies (NATCO)	Dr Samir Bhattacharyya, SGCCRI	Closed
4.	Impact of BCR-ABL mutations on front-line tyrosine kinase inhibitor therapy: an Eastern Indian cohort study	Dr S Nath	Closed
5.	An open label, Randomized study to evaluate the pharmacokinetics, safety and efficacy at three doses of Nanosomal Docetaxel. Lipid suspension for Injection in locally advanced or metastatic Breast cancer patients, after failure of prior Chemotherapy. (Hetero)	Dr.Tamohan Chaudhuri	Closed



Sl. No.	Topic of research	Principle investigator	Status
5	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 comparision with reference biologics (Trastuzumab, Marketed by Roche) in the patients with HER2- Over-expressing Metastatic Breast Cancer (Intas )	Dr.Tamohan Chaudhuri	Awaiting close out
6.	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 site initiation
7.	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	Recruitment On

**Publications:**

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

Chakrabarti B K, Mondal N R, Chatterjee T, Roychowdhury R.A study of 58 cases of gestational trophoblastic tumour in a tertiary cancer centre in India between 2000 – 2013. Presentation at XV111 World Congress on Gestational Trophoblastic Diseases, Sep 15-18 2015, Bali, Indonesia. Published in the ISSTD (International society for the study of trophoblastic diseases )abstract pp 33-34.

**Original work published in journals.**

1. Sharma S, Mandal P, Sadhukhan T, Roy Chowdhury R, Mondal N.R, Chakravarty B, Chaterjee T, Roy S, Sengupta S. Bridging Links between Long Noncoding RNA HOTAIR and HPV Oncoprotein E7 in Cervical Cancer Pathogenesis. Scientific Reports |5:11724|Doi: 10.1038|srep11724(July2015).





2. 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.
3. 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.
4. Mandal M, Pal I, Dey K K, Chaurasia M, Parida S, Das Subhayan, Rajesh Y, Sharma K, Chowdhury T. Cooperative effect of BI-69A11 and celecoxib enhances radiosensitization by modulating DNA damage repair in colon carcinoma. *Tumor Biology* 10.1007/s13277-015-4399-6 (2015)
5. Roy S, Das I, Nandi A, Roy R. Primary Merkel Cell Carcinoma of the Oral Mucosa in a young adult male: Report of rare case. *Indian J Pathol Microbiol* 2015;58:214-6.

### **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.

<b>Period</b>	<b>No of CMEs</b>
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
<b>Total</b>	<b>469</b>



**Cancer Control Programme:**

**AWARENESS CAMPS/ SCREENING CAMPS OF JAN.2016 - DEC.2016**

SL. NO	DATE	PLACE	CO-ORGANISOR	TARGET POPULATION	DOCTOR
1	02.01.16	Barasat	Jayita Smriti Raksha Committee	Awareness lecture	SUBHASIS DE
2	10.01.16	Kalkata	Hitaishini	Awareness Walk	
3	10.01.16	Amtala	Ramkrisha Sarada Math, Gangarampur	Awareness lecture	M. ARIFF
4	15.01.16	Barisha	Kolkata Binay Bikash Sadhana	Awareness lecture	S. GANGULY
5	17.01.16	Bhawanipur	Marwari Mahila Samity	Awareness lecture	SASWATI SORCER
6	07.02.16	Hazra	We can cancer cannot	Awareness walk	Staff SGCCRI
7	05.03.16	Science City	CESC	Awareness Programme	A. Gupta
8	10.04.16	Kalighat	Anubhab	Awareness Programme	Indranil Chatterjee
9	17.04.16	Dum Dum Cant.	Resurrection & Rotary Club	Awareness Programme	A. Gupta
10	28.04.16	Behala	Rotary Club of Behala	Awareness Programme	A.Gupta Anjan Gupta
11	21.05.16	Behala Chow-rasta	Mr. Sourav Banerjee	Awareness Lecture	A.Gupta
12	29.05.16	Harish Park	Vivek	Sreening & Awareness Programme	A.Gupta S. Ganguly
13	31.05.16	Akra, Budge-budge	Ekatma	Quit Tobacco Programme	I. Chatterjee J. Sil
14	31.05.16	SGCCRI	PWC	No Tobacco Day	A.Gupta J. Sil
15	31.05.16	Haroa	Broad I con for Rural dedication	Awareness Programme	M. Ariff



SL. NO	DATE	PLACE	CO-ORGANISOR	TARGET POPULATION	DOCTOR
16	10.06.16	Entally	Rotary Club of Rabindra Sarobar	Awareness Programme	A. Gupta
17	18.06.16	Bagha Jatin	Rotary Club of Regent Estate, "Nandana"	Awareness Programme	A. Gupta
18	07.08.16	Dakshineswar	R.K.M Sarada Math Sevayan	Awareness Programme	S. Ganguly
19	07.08.16	Hatibagan	Swadhinata Dibas Udjapan Committee Ward - 11	Awareness Programme	A. Gupta S. Ganguly
20	15.08.16	B.B Ganguly St.	The Refuge	Awareness Programme	A. Gupta
21	20.08.16	Adyapith Math	Ressuration	Awareness Programme	A. Gupta S. Ganguly
22	09.09.16	S.N. Banerjee RD	Councilor's Club Room	Awareness Programme	S. Sorcer
23	11.09.16	Belgharia	Panchanantala Nagarik Brinda Club	Awareness Programme	S. Ganguly
24	16.09.16	Entally	Ramakrishna Sarada Mission and Ashram	Awareness Programme	A. Gupta
25	17.09.16	Golpark	Biswarup Foundation For Neuro-Handicapped	Awareness Programme	A. Gupta
26	23.09.16	B.B.D Bag	Max Life Insurance	Awareness Programme	A. Sarkar
27	30.09.16	Linton St.	Kolkata Vidya Socio Culture Centre	Awareness Programme	S. Ganguly
28	18.11.16	Baranagar	Indian Statistical Institute, Kolkata	Awareness Programme	A. Gupta



**Library Information**

**Library Facilities:**

- i. Computers with Internet Facility & Printers
- ii. Photocopier (Xerox) including Printing Facility
- iii. British Council Library (BCL) Membership Card Facility (Including Online Searching Facility)
- iv. A Television Set for showing the program of IGNOU (Gyandarshan)

**Library Documentations:**

- i. Medical Books
- ii. Medical e-Books
- iii. Foreign and Indian Journal
- iv. Online Journals (The Clinics, North America)
- v. Literature Books (Bengali & English)
- vi. DVDs of Radiology & Surgery provided by NBE.
- vii. Some nos. of DVDs & CDs on different medical subjects also.
- viii. Local Magazines in Bengali i.e. Sananda, Suswastha, Bhraman etc.
- ix. Daily news paper i.e. Anandabazar, The Telegraph.

**Books:**

Medical Books				
Purchase	E-Books	Donated	Total	Last Year purchase
1440	10	250	1700	17

Literature Books (English & Bengali) for patients and staffs		
Donated	Last Year Donated	Total
3500	5	3505

**Journals:**

E-Journals (Type)			Printed Journals (Type)		
Foreign	Indian	Total	Foreign	Indian	Total
6	1	7	10	4	14

**DVD/ CD:**

DVD/ CD			
Radiology (NBE)	Surgery (NBE)	Medical Subject	Total
18	8	66	92



## **SGCCRI Bulletin**

This Bulletin contains good scientific articles in various fields of Oncology and related subjects. The academic and scientific activities of SGCCRI are regularly published in these bulletins. Till date, 14 issues have been published.

## **ACADEMIC ACHIVEMENTS**

Prof. Susanata Roychoudhury, Chief of Basic Research and Molecular Biology, has been elected by "Fellow of Indian National Science Academy (FNA).

4 DNB candidates, successfully cleared Final Exams viz. Dr. Sanghamitra Jena, Dr. Sujoy Bala and Dr. Vivek Malhotra of Surgical Oncology and Dr. Sumit Pandita of Dept. of Radiotherapy.

Dr. Rakesh Roy, ( Med. Oncology and Palliative Care In-charge ) and Dr. Abhijit Sarkar (Consultant Radiotherapist) received Traveling Grant Fellowship for attending ESMO Conference in Lung cancer in Korea.

Dr. Arnab Gupta (Surgical Oncologist) was invited as a Visiting Faculty for 2 weeks to UNMC (University of Nebraska Medical Centre) at Omaha, USA.



## OBITUARY

### MR. KANAK KUMAR SENGUPTA (LM-87)



He was the Asst. Secretary of our society. He was attached to Titagarh Paper Mill as a Management Personnel . Our association with him started way back in 1973 when he took part in the drama "Karkat Langna" written by Dr. Saroj Gupta, which was the first fund raising event for our hospital.

He had been closely associated with Dr Saroj Gupta as well as with our society for a long time. We will always remember him as an extremely polite, knowledgeable, dedicated individual and also his untiring services to our society. He left us in on 4th December, 2016.

We pray for the peace of his soul.



### MR. SATYA NANRAYAN RAY (HM-5)



He was an honorary member of our Governing Body. He was an established engineer, settled in USA. He had donated generously towards the construction of our PET-CT/MR building, which has been named after his beloved wife, Mrs. Sumitra Ray. He further donated a large amount of money for the welfare of the hospital. He left us on 3 rd March 2016.

His contributions, guidance and moral support to our society will be remembered for a long time.

May his soul, rest in peace.





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## OBITUARY

### MR. KAMAKHYA CHARAN BANERJEE

Born on 2nd August 1931, retired Govt. servant, W.B.

A cancer survivor. He had founded our Stoma Clinic in 1996 and had rendered voluntary services till the end of his life.

He passed away on 8th September 2016.

May his soul rest in peace.



### SMT. ATREYEE ACHARYYA

Born on 2nd January 1969 joined on 2nd Nov.1998 as a staff nurse and again joined on 3rd March 2009 as Ward Sister. She was In-charge of our O.T and was actively involved in Stoma Clinic.

She passed away on 25th Feb.2016 at a premature age of 47 years.

We mourn her passing away and pray for his soul.





## 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) 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 the 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.
- We thank M/S Eko Diagnostic Private Limited who collaborated with us in running a PET-CT / MRI Unit in our premises.
- Mr. Satya Narayan Ray from USA has been very kind to fund major part of the expenses for the civil construction of PET-CT MRI building in memory of his wife Mrs. Sumitra Ray. Last year he donated Rs.65 Lakhs as the first installment of a total committed amount of Rs. 3 Crores to dedicate the Linac block in his own name.
- We are great ful to DAE for providing us a Blood Irradiator. Previously, a Radiotherapy Simulator & a new Cobalt-60 Teletherapy Unit (Bhabatron - II) [manufactured under Bhabha Atomic Research Centre (BARC)] along with its source was donated by BARC, Department of Atomic Energy (DAE), Govt. of India. DAE has provided grant for replacing the source Theratron Cobalt-60 machine. We acknowledge with thanks this noble gesture of the DAE.
- We thank Indian Oil Petronas Pvt Ltd for providing grant for many surgical equipment recently. Earlier they had provided towards acquiring a 16-slice CT Scan machine. We are deeply grateful.





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- Sri Sri Mohonananda Brahmachari Trust donated 30 Lakh rupees from their cancer fund towards establishment of a Basic Molecular Research Laboratory here.
  - Braithwaite Burn & Jessops Construction Company and Larsen & Tubro Ltd. (ECC Division, Kolkata) have helped us in procuring new equipments for patients' services.
  - We are grateful to Zee Bangla for inviting our child cancer patients in their reality programmes like "Mirakkel", "Didi No.1", "Sa Re Ga Ma" and "Dada Giri". Previously, they donated Rs. 10 Lakh rupees through Sourav Ganguly & Mir to help poor paediatric patients.
  - 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.
  - We are also grateful to Volkart Foundation for their regular donations
  - Our BMT unit, which was funded by our Trustee Mr. S. S. Mukherjee, in memory of his wife is running successfully. We are grateful to him and his family for this major contribution.
  - We thank Price Waterhouse Coopers India – Service Delivery Division for donation of various medical instruments & supporting many cancer awareness programmes.
  - Various organizations 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, Desham, Smile, Walt Disney Outreach, Make a Wish Foundation, Pepsico, Resurrection, Care & Concern, Suchetana, Bansi Vidya Charitable Trust, We can cancer cannot, Indian Cancer Society, Cankid, Sarani, ILS, Inerwheel Club & AIWC, Cuddles Foundation, Indo-American Cancer Association, Cancer Fight Foundation.
  - 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, Directorates, Departments, Local Bodies and agencies that have rendered immense help for the welfare of this Institute.
  - Our poor patients have been regularly getting financial aid from Governor, Chief Minister, Health Ministry 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.



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- Since our inception, we are privileged to receive donations in money or in kind from hundreds of individuals and groups from society. The patronage continues. We offer 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 unfortunate patients and their relatives with smiling faces and helping hands.
  - Our Institute is grateful to Anjan Gupta Architects - for Voluntary services over the year and making this centre unique in its ambience and architecture.
  - Finally, we express our deep appreciation for the support of the patients and their families who made our endeavor meaningful.

Place: Kolkata  
December 15, 2015

Mr Jayanta Chatterji  
President

Mr Anjan Gupta  
Secretary