

DEPARTMENTAL ANNUAL REPORT FOR 2018

1ST JANUARY 2018 TO 14th DECEMBER 2018

DEPARTMENT OF RADIOTHERAPY

MEDICAL COLLEGE KOLKATA

A. FACULTY POSITION

SERIAL NUMBER	NAME OF THE FACULTY MEMBERS	DESIGNATION
1	Prof.(Dr.) Asit Ranjan Deb	Professor and H.O.D.
2.	Prof.(Dr.) Shyamal Kumar Sarkar	Professor(retired in April, 2018)
3.	Prof. (Dr.) Swapan Kr. Sikdar	Professor(retired in May, 2018)
4.	Dr. Amitabha Manna	Asst. Professor
5.	Dr. Bidyut Mandal	Asst. Professor
6.	Dr. Anis Bandyopadhyay	Asst. Professor
7.	Dr. Bappaditya Chhatui	Asst. Professor
8.	Dr. Arnab Adhikary	RMO and Clinical Tutor
9.	Dr. Arunima Gupta	RMO and Clinical Tutor
10.	Dr. Soumik Ghosh	RMO and Clinical Tutor
11.	Dr. Apurba Kabasi	Physicist cum RSO (retired in July, 2018)
12.	Mr. Jayanta Kr. Pal	Physicist cum RSO
13.	Mr. Sandip Ghosh	Physicist cum RSO

B. OPD, IPD & LABORATORY INVESTIGATION

NEW			OLD			TOTAL		
M	F	T	M	F	T	M	F	Total
2122	1466	3588	15816	14371	30187	17938	15837	33775

OPERATIONS		
MAJOR	MINOR [Brachytherapy]	OPD OT
	ICRT: 2376 ILRT: 35	

ISRT:267 Mold: 98

Radiotherapy (Teletherapy)

- Cobalt: 2680 exposures monthly, approximately 670 exposures per week
- CT Simulation: TOTAL: 1680

Pain & Palliative Care Clinic – 1752 patients

C. ACADEMIC INFORMATION

NUMBER OF PGTs APPEARED IN UNIVERSITY EXAMINATION	NUMBER OF PGTs PASSED IN UNIVERSITY EXAMINATION	MEDAL/AWARD
6	5	Dr. Upasana Mukherjee – Departmental Gold Medal

D. SEMINAR & GUEST LECTURES

SERIAL NUMBER	TITLE	SPEAKER
1	Seminar on Nivolumab in NSCLC	Dr. S. Banerjee
2	Seminar on Immunohistochemistry	Dr. Amitabha Manna
3	Seminar on Nausea & vomiting	Dr. S. Banerjee
4	Webcast on Thyroid cancer	Dr. Amitabha Manna
5	CME on Beyond Trastuzumab in Ca Breast	Dr. Bidyut Mandal
6	CME on Ribociclib	Dr. S. Banerjee
7	CME on Head and Neck Cancers	Dr. Bidyut Mandal
8	CME on Nilutamide	Dr. S. Bhattacharya
9	Seminar on Pain Management	Dr. Shyamal Kumar Sarkar
10	CME on Fulvestrant	Dr. Arnab Adhikary
11	CME on Ca Breast	Dr. Anis Bandyopadhyay
12	CME on Osimertinib	Dr. S. Banerjee
13	CME on Nintedanib	Dr. Amitabha Manna
14	Seminar on Pembrolizumab in NSCLC	Dr. S. Banerjee
15	Seminar on Immunotherapy in Melanoma	Dr. Amitabha Manna
16	Seminar on Brain Metastasis	Dr. S. Banerjee
17	Webcast on Renal Cell cancer	Dr. Amitabha Manna
18	CME on Beyond Pertuzumab in Ca Breast	Dr. Bidyut Mandal
19	CME on Palbociclib	Dr. S. Banerjee
20	CME on Testicular Tumours	Dr. Bidyut Mandal
21	CME on Durvalumab	Dr. S. Bhattacharya
22	Seminar on Spinal Cord Compression	Dr. Shyamal Kumar Sarkar
23	CME on TDM-1	Dr. Arnab Adhikary
24	CME on Olaparib	Dr. Anis Bandyopadhyay
25	CME on Crizotinib	Dr. S. Banerjee
26	CME on lung cancer	Dr. Amitabha Manna
27	Seminar on Atezolizumab in NSCLC	Dr. S. Banerjee

28	Seminar on Bone Metastasis	Dr. Amitabha Manna
29	Seminar on Oncological Emergencies	Dr. S. Banerjee
30	Seminar on Ovarian Tumours	Dr. Amitabha Manna
31	CME on Beyond Trastuzumab in Ca Breast	Dr. Bidyut Mandal
32	CME on Ipilimumab	Dr. S. Banerjee

E. ATTENDANCE IN NATIONAL AND INTERNATIONAL CONFERENCE & WORKSHOP

SERIAL NUMBER	NAME OF THE CONFERENCE/WORKSHOP	FACULTY ATTENDED
1.	AROI STATE CONFERENCE	Dr. Shyamal Kumar Sarkar
2.	AROI STATE CONFERENCE	Dr. Anis Bandyopadhyay
3.	AROI STATE CONFERENCE	Dr. Arnab Adhikary
4.	ISNOCON	Dr. Anis Bandyopadhyay

F. PUBLICATIONS OF FACULTY IN NATIONAL & INTERNATIONAL JOURNALS

SERIAL NUMBER	TITLE OF THE ARTICLE	JOURNAL NAME	AUTHORS
1.	Primary mucoepidermoid carcinoma of the bulbar conjunctiva	Journal of Cancer Research and Therapeutics	Prof.(Dr.) Asit Ranjan Deb
2	Pulmonary blastoma in a child: Report of a case with cytological findings	Diagnostic Cytopathology	Dr. Anis Bandyopadhyay
3	Treatment of locally advanced carcinoma cervix with special emphasis on brachytherapy: A practice pattern survey among young radiation oncologist of India	South Asian Journal of Cancer	Dr. Shyamal Kumar Sarkar , Dr. Anis Bandyopadhyay,
4	Pattern of Failure with Locally Advanced Cervical Cancer–A Retrospective Audit and Analysis of Contributory Factors	Asian Pacific Journal of Cancer Prevention	Dr. Anis Bandyopadhyay
5	Approach towards re-irradiation of common cancers	Journal of Current Oncology	Dr. Anis Bandyopadhyay
6	Related articles Dermatofibrosarcoma protruberans of the scalp treated with customised	Journal of Radiotherapy in Practice	Dr. Anis Bandyopadhyay

	surface mould high-dose-rate (HDR) brachytherapy: a case report		
7	Concurrent chemoradiation with sequential versus Interdigitated brachytherapy for locally advanced carcinoma Cervix – an open label randomised clinical trial	INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH	Prof. Dr. Swapan Kr. Sikdar Dr. Bidyut Mandal

G. ONGOING RESEARCH ACTIVITIES

SERIAL NUMBER	TITLE OF THE RESEARCH	NAME OF RESEARCHERS
1	A dosimetric comparison of whole breast irradiation with conventional and conformal techniques	Dr. Praloy Basu
2	Medulloblastoma in adults--- A single institutional retrospective analysis	Dr. Souransu Sen
3	Patterns of care in Retinoblastoma and analysis of contributory factors—lessons learned from 5 years experience in a tertiary care centre in Eastern India	Dr. Debjit Ghosh
4	Impact of MR Spectroscopy in low grade gliomas	Dr. Kushal Goswami
5	A dosimetric comparison of bladder and rectal volumetric doses in 3DCRT intracavitary brachytherapy for cervical cancers using two different rectal retraction methods	Dr. Anish Dasgupta
6	The effect of neoadjuvant chemotherapy on local control and survival in head and neck cancer patients in a tertiary care hospital in Eastern India	Dr. Barnini Ghosh
7	A Prospective Comparative Study Evaluating The Impact Of Hemi Body Irradiation Vs Focal RT Plus Zoledronate In Management Of Painful Skeletal Metastases	Dr. Abhishek Basu
8	An Institutional Retrospective Study Comparing Epidemiological Factors, Clinicopathological Features, Patterns Of Recurrence And Survival In Patients With Triple	Dr. Poulami Basu

	Negative Breast Cancer Against Those With Non Triple Negative Breast Cancer	
9	A Prospective Evaluation Of Interfraction Change In Dosimetric Parameters In Patients Of Locally Advanced Carcinoma Cervix Undergoing Intracavitary Brachytherapy	Dr. Upasana Mukherjee
10	Bladder and rectal toxicities using 2 different intracavitary applicators—A single institutional retrospective study	Dr. Praloy Basu
11	Breast Cancer classification according to St. Gallen Classification and analysis of clinicopathological features, survival, and overall prognosis	Dr. Rumeli Roy

H. BRIEF INFORMATION ABOUT ANY ONGOING PROJECT WORK IN THE DEPARTMENT

1. A prospective randomised trial comparing pathological response in neoadjuvant long-course concurrent chemoradiation v/s neoadjuvant short-course radiation followed by delayed surgery in both cases
2. Patterns of failure and long-term toxicity in locally advanced head and neck cancer
3. Comparison of efficacy and toxicity of conventional 7 Gy/fraction HDR brachytherapy v/s 9 Gy/fraction HDR brachytherapy using Fletcher applicator in locally advanced Ca Cervix
4. A prospective randomised study comparing response and toxicity between conventional and hypofractionated radiotherapy with concurrent chemotherapy in patients of locally advanced head and neck cancer
5. Setup Errors using KV-Xray and KV CBCT in Head and Neck Cancers – A Single Institutional Observational Study
6. Role of New FIGO Staging 2018 in Treatment and Prognostication of Carcinoma Cervix

7. Comparison of Dosimetry and Outcomes of CT based and PET CT based Treatment Planning in non metastatic NSCLC

I. SPECIAL ACHIEVEMENTS & COLLABORATIVE ACTIVITIES BY THE DEPARTMENT

A state of the art Linear Accelerator has been installed in our institution. The LINAC has following specifications:

1. Model: TRUBEAM (with 120 leaf MLC)
2. Photon energies: 6 MV, 10 MV, 6 FFF, 10 FFF
3. Electron energies: 6,9,12,15 and 18 MeV
4. Mould room facility
5. All necessary dosimetric equipments for machine QA and treatment planning.
6. Treatment facilities available:
 - a. 3D-CRT
 - b. IMRT
 - c. IGRT
 - d. VMAT
 - e. SRS
 - f. SBRT
 - g. Electron beam therapy

The machine is functioning and patients are being treated since 3rd September, 2018.

This is the first and only functioning LINAC in a State Govt. Medical College and Hospital.