

## ACCOLADES



State of the Art CT Scan Machine and High Dose Radio-Isotope Therapy Ward, Department of Nuclear Medicine and Molecular Imaging was inaugurated by H. E. Hon'ble Governor of Assam Prof. Jagdish Mukhi on 27th November, 2018 at BBCI, Ghy.



Powergrid Capacity Development Centre in Oncology at BBCI, Guwahati was inaugurated by H. E. Hon'ble Governor of Assam Prof. Jagdish Mukhi at a solemn ceremony at Raj Bhawan, Guwahati on 1st July, 2020.



The Annual Report of BBCI 2019 was released by Hon'ble Chief Minister of Assam Shri Sarbananda Sonowal on 27th June 2019.



Hon'ble Health Minister of Assam Dr. Himanta Biswa Sharma during inauguration of Molecular Virology Laboratory at BBCI, Guwahati on 22nd July 2020.



Sri K N Vyas, Chairman, Atomic Energy Commission, Gol during inauguration of State of the Art Linear Accelerator with IGR, VMAT, 6XFFF on 8th Feb, 2019.



Distinguished Career Award presented to Dr Amal Ch Katakai, Director, BBCI by Sri Pijush Hazarika, Hon'ble Minister of State, Health, GoA on 27th Feb. 2020 during News 18 Assam HealthCare Excellence Award 2020.

## FIRST TIME IN NORTH-EAST STEREOTACTIC RADIOSURGERY STARTED AT BBCI, GUWAHATI



### BBCI ACTIVITIES

- Organized a "CME on Haematological Malignancies" at Guwahati as an Organizing Secretary on 27th July, 2019 (one day programme).
- Organized a "CME on Current Scenario in the Management of Non Small Cell Lung Cancer" at Guwahati as an Organizing Secretary on 23rd November, 2019.
- Organized 'Paediatric Cancer Awareness' camp at PARIJAT ACADEMY, Gorchuk, Guwahati on 25th February, 2019.
- Celebrated 'International Childhood Cancer Day' at Srimanta Sankardeva Kalakshetra, Guwahati on 15th February, 2019.
- Organized 'Retinoblastoma Awareness' week from 12th May, 2019 to 16th May, 2019 at Srimanta Sankardeva Kalakshetra, Guwahati.
- Workshop on Cancer Rehabilitation for social workers and nurses by the Department of Pain and Palliative Care, Dr. BBCI on 7th August, 2019.
- Various programs are conducted to promote awareness on importance of proper nutrition in childhood cancer patients while receiving treatment. The children from Delhi Public School, Guwahati performed cultural program for the pediatric cancer patients of the institute on 2nd September 2019. More than 100 numbers of patients and parents participate in the activities.
- Organized Master classes for doctors on Pediatric Oncology by Dr. Somasundaram Jayabose (CanKids Foundation) from 16th September to 19th September, 2019.
- A Workshop cum CME titled "An Update on Surgical Pathology" has been organized by the Department of Pathology at BBCI, Guwahati on 12th and 13th October 2019.
- Summer Training in Palliative Care: 5th Session of One week Summer Training in Palliative Care started on 8th July, 2019. Altogether 4 participants from different walks of life joined the one week training.
- Nursing Workshop in Palliative Care: A Nursing Workshop in Palliative Care was organized by the department of Palliative Medicine in BBCI on 13th and 14th August, 2019 for Nursing Personals of Greater Guwahati. Dr. Vivek and Mr. Sudip Rudra Paul from Cipla Palliative Care and Training Centre, Pune, Dr. Dinesh Ch. Goswami, Dr. Arun Deka, Mr. Tarun Sonowal were invited as Guest Lecturers.
- World Hospice and Palliative Care Day Celebration: The Department of Palliative Medicine of BBCI has celebrated World Hospice & Palliative Care Day on 12th October 2019.
- Diwali Celebration: On the eve of diwali, Artscape Foundation along with Department of Palliative Medicine celebrated the festival with patients and attendants with music, art and recitations.
- Foundation Day Celebration: On the eve of 46th Foundation Day of BBCI, Palliative Medicine Department with an aim to popularize palliative care among residents of BBCI, a lecture by Ms. Gilly Burn from UK was conducted on 'Triage and Communication Challenges' on 19th November, 2019.
- Healthy Talk on Diet: To celebrate the Completion of Two Years of taking over of BBCI by Department of Atomic Energy, Government of India, a Healthy Talk on Diet was organized for patients and caregivers. Ms. Dimi Ingtipi, Dietician of BBCI informed about the tips of dietary management.
- Home Based Palliative Care Service of BBCI has received the "D K Gogoi Shastri Memorial Award" for Leadership in Palliative Home Care, 2019.
- ISA Guwahati City Branch in association with Department of Anaesthesiology BBCI, organised a CME cum Workshop on advanced Airway Skills at BBCI auditorium on 8th March 2020. The resource team was lead by Dr Amit Kohli, Associate Professor Anaesthesiology MAMC. Dr Minoti Baruah from department of Anaesthesiology BBCI was the organising Secretary.
- Two pre-conference workshops namely i) Paediatric Palliative Care and ii) Humanitarian Issues in Palliative Care were conducted in BBCI in relation to 27th International Conference of Indian Association of Palliative Care on 13th February, 2020. These workshops were conducted by international faculties from UK, South Africa, Uganda etc.

## WHO SELECTS BBCI



World Health Organization (WHO), India on the recommendation of the Ministry of Health and Family Welfare, Govt. of India has selected Dr. B. Borooah Cancer Institute, Guwahati for South-East Asia Regional (SEAR) Practice Network for Childhood Cancer Services to implement CURE ALL approaches.

## NEW APPOINTMENTS

- Deputy Director (Admin)
- Deputy Director (Research)
- Deputy Director (Academics)
- Assistant Professor, Plastic Surgery
- Asst. Professor, Transfusion Medicine
- Asst. Professor, Haemato-Oncology
- Assistant Professor, Hemato-Pathology
- Assistant Professor, Microbiology
- Asst. Prof., Dental & Prosthetic Surgery
- Assistant Nursing Superintendent

## ONGOING PROJECTS

[1]. Pattern of Case and Survival Studies in H&N, Breast and Cervical Cancer (ICMR), [2]. Determination of Salivary methylome signatures to develop diagnostic bio-markers for oral cancer in North-East India. [3]. Determine salivary microbiome signatures in tobacco and betel quid associated oral cancer of North-East Region of India. [4]. Study of prevalence of High Risk HPV and precancerous lesion in asymptomatic & symptomatic women of Kamrup urban District, Assam North-east India by comprehensive rural community level screening. [5]. Project E-mortality (e-Mor Project), [6]. Adjuvant Radiotherapy in early stage oral cancers (AREST)-A prospective randomized control trial (with Tata Memorial hospital, Mumbai), [7]. Phase III randomized controlled trial of medroxygesterone acetate versus placebo pre-operatively in advanced locally breast cancer, [8] A pilot study to develop an efficacious oral cancer screening strategy of India. [9]. Creation of Geo-Spatial Cancer Map of Assam using GIS and assess geo-environment cancer risk, [10]. Multi-centric case control study to identify genetic and life style risk factors of gall bladder cancer. [11]. Genome-wide Association study to identify Role of Genetic Susceptibility in Buccal Mucosa Cancer, a multi-centric project. [12]. A multi-site study on environmental risk factors for GB cancer, and mediating role on reproductive factors and diet, [13]. Pattern of care and survival studies in Gall bladder Cancer, [14]. A global, multicenter three arms open-label randomized study to evaluate the efficacy and safety of Nanosomal Docetaxel Lipid Suspension compared to Taxotere (R) (Docetaxel Injection Concentrate) in triple-negative breast cancer patients with locally advanced or metastatic breast cancer after failure to prior chemotherapy, [15] Development of Automated screening system for Cervical Cancer using Computerised image analysis of PAP Smears and validation through multicentre Development (Development of a Low Cost Automated Screening System for Cervical Cancer).



Dr. Anupam Das, Associate Professor, Department of Head & Neck Surgery, Dr. Borooah Cancer Institute, Guwahati. Co-Author in book chapter in Gray's Surgical Anatomy. 1st Edition. Chapter name: Root of Neck and tracheotomy.



Dr Anupam Sarma, Professor & Head, Dept of Onco-Pathology, BBCI, Guwahati, has been awarded the Ph.D. degree of Bioengineering & Technology by GU, Guwahati for his thesis entitled- "Study on Correlation of Tyrosine Kinase Inhibitor Resistance in Chronic Myeloid Leukemia patients with ABL kinase domain T3151 Mutation and Promoter Methylation status"

1. Original Article: Sentinel Lymph Node Biopsy using a Single Dye Technique in a Cancer Centre of North East India. The South Asian Journal of Cancer (Accepted).
2. Original Article : Radical Gastrectomy – Still the Gold Standard Treatment for Gastric Cancer – Our Experience from a Tertiary Care Centre from Northeast India. Vinay Mamidala Indian Journal of Surgical Oncology. March 2020 ; 11 (1): 66–70.
3. Feasibility and outcomes of multi-visceral resection in locally advanced colorectal cancer: Experience of a Tertiary Cancer Centre of North East India. S Bannoth Annals of Coloproctology (Accepted)
4. Original Article : Hand-sewn versus Stapled Cervical Esophagogastric Anastomosis for Esophageal Carcinoma: A Study of Postoperative Clinical Outcomes from a High-incidence Center of Northeast India. Journal of Current Oncology Volume 2 Issue 2 July-December 2019.
5. Original Article: A Study of Clinical Presentation and Management of Malignant Gastric Outlet Obstruction (Northeast India-Based Single-Centre Experience). Indian Journal of Surgical Oncology (Accepted).
6. Original Research Article : Male breast cancer a rare entity: the experience from North-East India. International Surgery Journal. January 2020 Vol 7(1) :Page 133- 137
7. Reverse sural flap – A feasible option for oncological defects of the lower extremity, ankle, and foot : Our experience from Northeast India. South Asian Journal of Cancer June 2019.
8. Review Article : Managing Iatrogenic Tracheal Injury during Esophagectomy. International Surgery Journal. 2019 Jul ;6(7) :2652–2654.
9. Surgical Management of Recurrent Giant Retroperitoneal Liposarcoma: A Challenging Surgery – Case report. International Surgery Journal. 2019 July ;6(6) :2652–2654.
10. Sentinel Lymph Node Biopsy using a Single Dye Technique in a cancer Centre of North East India. South Asian Journal of Cancer (Accepted)
11. Early Experience with Minimally Invasive Oncologic Surgery at a Peripheral Cancer Centre in North East India. International Journal of Science and Research (IJSR). Volume 9 Issue 5, May 2020
12. Early Experience with Oncoplastic Breast Surgery in a Tertiary Care Cancer Centre in North-East India. International Journal of Science and Research (IJSR), Volume 9 Issue 5, May 2020
13. Vascularised Fibular Graft Reconstruction Following Resection of First Metatarsal Osteosarcoma : Case Report. Indian Journal of Surgical Oncology, April 2020
14. Letter to the Editor: Can we predict and prevent postoperative morbidity in elderly patients? Annals of Gastroenterology June 2019; 22, 215–216.
15. Fungal profile and antifungal susceptibility pattern of candidiasis in esophageal cancer patients © 2018 Journal of Cancer Research and Therapeutics | Published by Wolters Kluwer - Medknow
16. "Bacteriological profile and antibiotic sensitivity pattern of clinical isolates in a tertiary cancer care center in the North-East India" South Asian Journal of Cancer 2019
17. "Comparative study for screening HIV1/HIV2 virus with 3rd Generation and 4th Generation HIV ELISA kits in donors from a tertiary care hospital in North East India" Current Medical Issues, 17(4), 108-111, 2019
18. Bacteriological profile of patients with peri-ampullary cancer and effect of preoperative biliary drainage on bacterial flora. Clinical Cancer Investigation 8(5)182, 2019
19. Alterations of Salivary Microbial Community Associated With Oropharyngeal and Hypopharyngeal Squamous Cell Carcinoma Patients. Arch. Microbiology, 202(4), 2020: 785-805.
20. "Head and Neck Squamous Cell Carcinoma in Young Adults: A Hospital Based Study." Indian Journal of Medical and Pediatric Oncology, 2019: 40(5); 18-22
21. "Squamous cell carcinoma of upper alveolus : An experience of a tertiary care centre of Northeastern India". South Asian Journal of Cancer, Jan 2019, 8:44-46.
22. Redo Tracheostomy : Our Experience, Problems Encountered and How to Overcome Them, Indian journal of Otolaryngology and Head & Neck Surgery, April 2019.
23. Metastatic Involvement of level IIb Nodal Station in Oral Squamous Cell Carcinoma : A Clinicopathological study. National Journal of Maxillofacial Surgery, Volume 10/Issue 1/January-June 2019.
24. "Adenoid cystic carcinoma of Head and Neck region". Paripex-Indian Journal of Research, 2019.
25. "Non-surgical management of T4a laryngo-hypopharyngeal cancer". International journal of Scientific research, VIII(1), 2019
26. Pattern of regional metastasis In Papillary Thyroid carcinoma: our experience of 80 cases. International Journal of research in Medical sciences, Sep. 2019/Vol-7/Issue 9.
27. An aggressive case of carcinoma of Cervix with Ovarian Metastasis in Indian Journal of Gynaecologic Oncology in February 2019.
28. Role of oral Gefitinib in recurrent Cervix carcinoma in relation to EGFR status in Journal of Cancer and Clinical Oncology in June 2019.
29. An overview of Vulvar Cancer: a single centre study from North-East India in the journal of Obstetrics and Gynaecology of India, Nov-Dec, 2019
30. Rare site metastasis in Ovarian carcinoma: a compilation of 3 case reports in Indian Journal of Surgical Oncology, 2018.
31. Analysis of Radiation Cystitis and Radiation Proctitis cases in patients with Carcinoma Cervix: A Retrospective Study in Journal of Cancer and Clinical Oncology, accepted on 23rd October 2019
32. Borman R, Talukdar A, Sarma A, Sharma JD, Krishnatreya M et al. Bacteriological profile and antibiotic sensitivity pattern of clinical isolates in a tertiary cancer care center in the North-East India. South Asian J Cancer [Accepted]
33. Krishnatreya M. Nothing is permanent except for change: disease-free survival in cancer, time to change? . J Can Res Ther [Ahead of Print]
34. Fungal profile and antifungal susceptibility pattern of Candidiasis in esophageal cancer patients. J Can Res Ther [Ahead of Print]
35. Bacteriological profile of patients with periampullary cancer and effect of preoperative biliary drainage on bacterial flora. Clin Cancer Investig J 2019;8:182-5
36. Linking of national health protection mission data to national cancer registry program of India for estimating cancer incidence. Indian J Cancer 2019;56:371-2
37. Research is pivotal to fight cancer in developing countries like India. J Can Res Ther 2019;15:1191
38. Gall bladder cancer in Delhi - some thoughts. Indian J Cancer 2019;56:182
39. "Prevalence of HER2 Expression and its Correlation with Clinicopathological Parameters in Gastric or Gastroesophageal Junction Adenocarcinoma in North-East Indian Population." Asian Pacific J Cancer Prev. Vol. 20 (4), 2019; p1139-45.
40. "Causes of Treatment Abandonment of Paediatric Cancer Patients – Experience in a Regional Cancer Centre in North East India." Asian Pacific J Cancer Prev. Vol. 20 (4), 2019; p1133-37.
41. "Clinico-epidemiological Features and Response in Childhood Acute Lymphoblastic Leukaemia at Regional Cancer Centre of Northeast India." Vol. 8, Issue 4, 2019; p241-43.
42. "Outcome of Primary Small Cell Carcinoma of esophagus: A Single Institutional Experience." Asian Journal of Medical Research, Vol.8, Issue 4, Oct- Dec 2019; p4-9.
43. "Clinical Presentation and Outcome in Childhood Rhabdomyosarcoma – A Institutional Experience." Indian Journal of Applied Research, Vol.9, Issue 9, Sept 2019; p52-54.
44. "Clinico-demographic Profile of Haemato-oncology Patients Visiting a Tertiary Cancer Centre in North East India." Indian Journal of Applied Research, Vol.9, Issue 12, Dec 2019; p66-67.
45. "Association of ABL kinase domain T315I mutation with Tyrosine Kinase Inhibitor Resistance in Chronic Myeloid Leukaemia Patients of North-East India." Vol I. Issue XCVIX, May 2019; p27-35.
46. Abstracts (two nos.) published in abstract book of 51st Congress of the International Society of Paediatric Oncology (SIOP, 2019) at Lyon, France: ["Clinico-demographic characteristics and prognostic parameters in paediatric patients with Ewing's sarcoma" -Presenting author: M Hazarika]; ["Socioeconomic factors affecting survival in paediatric patients with acute lymphoblastic leukaemia: Experience from a tertiary care centre" – Author: PS Roy].
47. Determination of Optimal Clinical Target Volume to Planning Target Volume Margins for Conformal Radiotherapy Planning using Image Guidance System in Rectal Cancer in Prone Position. J Med Phys. 2019 Jan-Mar;44(1):65-7.
48. Assessment of set up errors and determination of planning target volume margins in image guided radiotherapy for cervical cancer patients treated in supine position. Int. J.Sci. Research. 2019 Jun; 8(6):59-61.
49. Clinical Profile of Cancer Patients of North East India Receiving Single Fraction Palliative Radiotherapy: A Study from Regional Cancer Centre Authors' affiliation. Nat. J Med Research. 2019 Apr-Jun;9(2):70-3.
50. Cancer in patients of and above 90 years: A hospital- Based retrospective study. J can Res Ther. 2019;20(20):1-5
51. Radiation Induced Oral Mucositis and its Co-Relation with the Lifestyle of Cancer Patients: A Prospective Study. Nat. J Med Research 2019;9(2):90-93.
52. Outcome of Primary Small Cell Carcinoma of Esophagus: A Single Institutional Experience, Asian Journal of Medical Research | Volume 8 | Issue 4 | October-December 2019
53. Determination of thermoluminescence parameters in nanocrystalline CaAl2O4 Journal of Luminescence , Available online 20 November 2019, 116867(in Press)
54. Thermoluminescence of 9 MeV electron irradiated CaAl2O4:Sm3+ phosphor and its implication in dosimetry, AIP Publication 2019
55. Electron life time (τ) in trap levels of Dy3+ activated calcium aluminate: Implications in TL dosimetry, IOP Conf. Series: Journal of Physics: Conf. Series 1330 (2019) 012009
56. Dose received by external genital organs during preoperative radiotherapy for rectal cancer patients. J Radiat Cancer Res 2020;11:62-6.
57. Managing radiotherapy practice during coronavirus disease 2019 pandemic: Medical physicist's perspective. J Radiat Cancer Res 2020; 11:38-41.
58. Ultrasound evaluation of biopsy proven malignant breast mass : International Journal of Research in Medical Sciences, Feb 2020.
59. "Ultrasound guided fine needle aspiration cytology of, gall bladder mass and mural thickening : a radio-pathological correlation". Int. J. Res. Med. Sci., March 2019 : 923-928.



Inauguration of Jironi Ghar-II (Guest House for patients) by Dr. R. A. Badwe, Director, TMC, Mumbai and Mr. Mervin Alexander, Joint Secretary, DAE, Gol on 27th November 2017 in presence of Dr. C. S. Pramesh, Director, TMH and Mr. Abhay Kumar, Dy. Secretary Finance, DAE, Gol.



Health Care Excellence Award 2019 present to Dr. S. M. Bhagabaty, Asso. Prof., Dept of Preventive Oncology for Outstanding Contribution in Rural Health Care of Assam by Dr. Himanta Biswa Sharma, Hon'ble Health Minister of Assam, February 2019



State of the Art Operation Theatre (OT) under CSR scheme of Indian Oil-Guwahati Refinery was inaugurated by Hon'ble Speaker, Assam Legislative Assembly Shri Hitendra Nath Goswami on 14th Aug, 20.



BBCI EDGE-a science magazine was released by Hon'ble Minister of State, Health, GoA Sri Pijush Hazarika on 23rd June, 2020.



Dr. Gautam Sarma, Assistant Professor, Department of Radiation Oncology, Dr. B. Borooah Cancer Institute, Guwahati was awarded "Pratishruti most Contributing Consultant-2019" on 15th Dec. 2019.

NEW ACADEMIC COURSES

- MCh. in Head & Neck Surgery
- MCh. in Gynecologic Oncology
- DM in Onco-Pathology
- One Year/Six Month Certificate Course in Molecular cancer Genetics and Cytogenetics.
- One year Certificate course in Medical Microbiology / Advance Medical Laboratory Technology / Transfusion Medicine.
- One year advance certificate course in Onco-Physiotherapy.

INTRODUCING SHORTLY



Digital Mammography Machine with Tomosynthesis at BBICI. State of the Art Flow Cytometer Machine at BBICI, Guwahati