

4th Annual North-East EBM BBCI'23-24

Keeping up with the never ending pursuit of achieving excellence in all oncological fields, Dr.Bhubaneswar Borooah Cancer Institute, Guwahati is organizing Evidence Based Management meetings annually since it has become a unit of Tata Memorial Center, Mumbai and a Grant-in-aid Institute of the Department of Atomic Energy, Government of India. Each year our EBMs are concentrating on various aspects of cancer in terms of newer advancements in prevention, diagnosis and management. This year we organized our 4th Annual North-East EBM BBCI'23-24 on the 5th & 6th of January'24 with our focus on "Paediatric Solid Tumors and Critical Care and Peri-operative aspects in Paediatric Oncology".

We are very much privileged to have faculties regarded as stalwarts in the field from various areas of the country. We invited faculties from Department of Medical Oncology, Paediatric Oncology, Radiation Oncology, Anaesthesiology & Critical Care, Tata Memorial Center, Mumbai, Dr Baba Saheb Ambedkar Medical Collage and Hospital, New Delhi, All India Institute of Medical Sciences, Guwahati, All India Institute of Medical Sciences, Deoghar, Regional Centre, Thiruvananthapuram etc along with some prominent local faculties. The conference was awarded credit points by the "Assam Council of Medical Registration". We had more than 200 delegates registered for the conference.

The conference started post lunch on the 5th of January'24 with welcome address from the organizing president, 4th Annual North-East EBM BBCI'23-24 Dr. Munlima Hazarika followed by welcome address by the Director, Dr.Bhubaneswar Borooah Cancer Institute, Guwahati, Dr. Bibhuti Bhushan Borthakur. The scientific program was divided in to five sessions with the first two focusing on paediatric solid tumors and the next three on the paediatric onco-anaesthesia and paediatric onco-critical care.

Sessions summary

Day 1:

Session I : Rhabdomyosarcoma and Neuroblastoma

Session Coordinator: Dr. Kaberi Kakoti , Associate Professor, Head and Neck Oncology, Dr.BBCI

Session I was chaired by Dr. Deep Jyoti Kalita, Professor of Oncosurgery, Dr.BBCI and Dr. Anupam Sarma, Professor and HOD of Oncopathology, Dr.BBCI.

The session I of the conference on 5th January, 2024 started at 1.30 pm with a short welcome note by the session coordinator. The first talk was delivered by Dr. Girish Chinnaswamy, Professor and HOD, Department of Pediatric oncology, TMH Mumbai. He delivered the talk on RMS- Current Risk Stratification and Management. In his talk, Dr.

Chinnaswamy highlighted the current concepts used for stratifying cases of rhabdomyosarcoma. He emphasised on the use of molecular testing (FOXO fusion) for risk stratification of RMS and also highlighted the principles of treatment. He adequately responded to the queries of the audience.

The second talk of the session was presented by Dr. Sajid Qureshi who is the Professor and Head of Pediatric Surgical Oncology, Tata Memorial Hospital, Mumbai. He delivered a talk on management of Neuroblastoma. He emphasised on diagnosis and risk stratification. He also discussed the surgical approaches and talked on possibility of regular surgeries for neuroblastomas at our centre. He responded to all the queries put forward by the audience.

Session IV : Panel Discussion on Pediatric Extracranial Germ Cell Tumour

Session Coordinator: Dr. Dimpy Begum, Associate Professor, Gynecologic Oncology, Dr.BBCI

Session IV was chaired by Dr. Debabrata Barmon, Professor of *Gynecologic Oncology*, Dr.BBCI and Dr. Binoy Kumar Choudhury, Professor of Radiology, Dr.BBCI.

The session IV of the conference on 5th January, 2024 started at 5pm with a short note by the session coordinator. The moderator for this panel discussion was Dr. Binitha Rajeswari, Associate Professor, Department of Pediatric oncology, RCC Trivandrum. The panel discussion was on Pediatric Extracranial Germ Cell Tumour. The panel had veteran panellists- Dr. Upasana Baruah, Professor, Gynecologic Oncology, Dr.BBCI, Dr. Rupnayan Goswami, Assistant professor, Pediatric Surgery, GMCH, Dr. P.S.Roy, Professor of Medical and Pediatric Oncology, Dr. BBCI, Dr. Jyotiman Nath, Assistant Professor, Radiation Oncology, Dr.BBCI, Dr. Geetanjali Barman, Associate Professor, Radiology, Dr. BBCI and Dr.DSakshi Gupta, Assistant Professor, Oncopathology, Dr. BBCI. Around 5 case scenarios were discussed which included diagnosis and treatment of Pediatric extracranial germ cell tumour. All the panelists actively participated in case discussions. The moderator and panelists adequately responded to questions of the audience.

Day 2:

Session I: Introduction to Pediatric Onco-Anaesthesia

Session Coordinator: Dr Shivaji Sharma

The session I of the conference on 6th January, 2024 started at 9.00 am with a short welcome note by the Organizing Secretary, Dr. Anupam Das, Professor & I/C, Anaesthesiology, BBCI. The session coordinator welcomed the Chairpersons for the session and the speaker. The first talk was delivered by Dr Mouchumee Bhattacharyya, Deputy Director (Research) and Professor of Radiation Oncology , Dr BBCI . She delivered a talk on Medical Ethics with special relevance to cancer patients. In her talk, Dr Bhattacharyya highlighted the importance of communication skill and the aspects of autonomy, injustice , beneficence and non maleficence. Dr Bhattacharyya responded to queries which were put from the house.

The second talk of the session was delivered by Dr Nayna Amin, Professor, Department of anaesthesiology, at TMC-Mumbai on solid tumours in children: Preoperative concerns and optimization. She stressed on a good history and clinical examination in the preoperative period. The speaker stressed that preoperative chemotherapy and radiotherapy has anaesthetic implications and they may affect various organ systems of the body. Also different tumours behave differently and can pose different challenges to its perioperative care. Like a child with cancers of head and neck region may pose an airway maintenance challenge whereas a neuroblastoma or a big intraabdominal tumor may pose challenges of maintaining intraoperative haemodynamic stability. A selective individualised approach in discussion with other departments improve the perioperative optimization of the patients.

The third talk was delivered by Dr Nandita Joshi Adlakha, Associate Professor, Dept. of Anaesthesiology and Critical Care, Dr BSA Medical College And Hospital, New Delhi on Paediatric Difficult Airway: Latest guidelines and Recommendations. In her talk, she presented the latest European difficult airway guidelines of 2023. The speaker discussed the anatomical and physiological difference in airway between an adult and a child and emphasised on the importance of anticipation and adequate preparation to handle an emergent difficult airway.

Dr Daisy Gogoi, Senior Consultant, Department of Anaesthesiology, Pratiksha Hospital , Guwahati delivered the next talk on perioperative fluid therapy in major abdominal surgery: type , volume and rate. It was a very concise and informative lecture that stressed on the importance of managing the fluid shifts and dyselectrolytemia in the perioperative period.

It was followed by a lecture on Childhood Bone tumours: anaesthetic risk, precautions and controlling blood loss by Dr Chandita Konwar, Professor and Head of the Department, Anaesthesiology and Critical Care, Dhubri Medical College , Assam. She gave a lucid lecture on how to optimise a child with bone tumours perioperatively, and the need of doing a proper resuscitation of the child with massive blood loss that is expected in this type of surgery. Questions and answers were taken at the end of the session and the Chairperson gave their comments.

The session concluded at 12 pm. The session coordinator concluded the session offering sincere gratitude to all the speakers, and the Chairperson.

Dr Shivaji Sharma

Assistant Professor, Surgical Oncology

Day 2:

Session II: Current Practices in Paediatric Anaesthesia

Session Coordinator: Dr. Rashmisnata Barman

Session II started with a brief introduction by the session coordinator followed by the first talk on “Challenges faced in Paediatric Anaesthesia in Resource limited settings” by Dr. Jagadish

Basumatary, Professor and Head of the Department, Anaesthesiology and Critical Care, Kokrajhar Medical College, Assam. The speaker laid stress on thorough history from parents and a good clinical examination. He discussed issues of lack of infrastructure and trained personnel in remote areas. He stressed on more and more training of paramedical staffs and improving manpower by promoting paramedical courses amongst the local youths.

The second talk of the session was delivered by Dr. Himjyoti Das, Head of the Department, Anaesthesiology, Nazarath Hospital, Shillong. The speaker spoke in details about his own experiences of regional blocks in infants and neonates. He discussed the anatomical, physiological and pharmacological differences between regional blocks in paediatric age group and adults. The lecture included detailed video presentation of upper and lower extremity blocks as well as truncal and central neuraxial blocks in children. The speaker stressed on the use of ultrasound in regional blocks in children.

Dr. Mridupawan Nath, Associate Prof. & I/c HOD, Diphu Med. College Hospital, Diphu, Karbi Angling, Assam discussed vascular access in children. The speaker demonstrated the use of ultrasound in accessing venous line in children. He also spoke on PORT insertion in paediatric patients.

This was followed by a lecture on ERAS protocol in children by Dr. Nayna Amin, Professor, Department of anaesthesiology, at TMC-Mumbai. The speaker extensively discussed the current concepts of ERAS in paediatrics. She stressed on the importance of a good team and a good team effort in implementing ERAS in children. She discussed on the importance of reducing preoperative fasting period in children, carbohydrate loading and no/selective bowel preparation in this age group.

Following this, a panel discussion was conducted on NORA (Non Operating Room Anaesthesia) moderated by Dr. Ankur Khandelwal, Assistant Professor, AIIMS, Guwahati. The panellists were Dr. Arun Deka, Professor & Head, Anaesthesiology, State Cancer Institute, Guwahati, Dr. Surabhi Kalita Khanikar, Consultant Narayna Superspeciality Hospital, North Guwahati, Dr. Jyotiman Nath, Associate Professor, Radiation Oncology, BCCI. Different challenges faced in NORA were discussed extensively and the panel stressed on the minimum equipment necessary in remote location of the hospital to induce anaesthesia. The panel also discussed on the current fasting guidelines and the need for day care admission in such cases.

The session concluded with the last talk on "Anaesthetic considerations in paediatric CNS tumors" by Dr. Kaustav Dutta, Consultant Neuroanaesthetist, Dr. P.K.Saha Hospital, North Bengal. The speaker discussed the preoperative preparation, intraoperative monitoring and postoperative concerns of paediatric CNS tumors.

The session concluded at 1.30 pm. The session coordinator concluded the session offering sincere gratitude to all the speakers, and the Chairpersons.

Dr. Rashmisnata Barman

Assistant Professor, Microbiology

Dr. Bhubaneswar Borooh Cancer Institute, Guwahati

Day 2:

Session III: Critical care aspects in paediatric patients

Session Coordinator: Dr Ranjita Sharma

The session III of Day 2 started at 2.30 pm with a short welcome note by the session coordinator.

The first topic was a Panel Discussion on “Febrile Neutropenia: Utilizing our weaponry for combating illness”. The panel was moderated by Dr Habib Md R Karim, Associate Professor, Department of Anaesthesiology, Critical Care and Pain Medicine, AIIMS, Deoghar. Panelist being Dr Vandana Singh Delwal, Dr Asif Iqbal, Dr A Murchana Khound, Dr Duncan Khanikar and Dr Prakritish Bora: A Multidisciplinary team of Panelists consisting of anaesthesiologist, paediatrician and Haemato oncologist and Medical Oncologist took part in the discussion which discussed the risk factors , predisposition following chemotherapy, evaluation of a patient with febrile neutropenia , management and preventive antimicrobial and antifungal therapy.

The next talk was delivered by Dr Palash Ranjan Gogoi, Senior Consultant, Department of

Paediatrics, Nazareth Hospital, Shillong on contemporary approaches for pediatric nutritional

therapy in critically ill patients. The speaker opined that nutritional therapy is often neglected in paediatric ICU. Adequate nutrition not only improves child s outcome but also reduces morbidity and mortality. The enteral nutrition or oral feeds is the preferred route. Both over feeding and under feeding should be avoided. The speaker emphasized on the the role of micronutrients and the proper amount of calories, fats and proteins for each child which should be calculated and fed properly.

Dr Shilpushp Bhosale , Professor, Anaesthesiology, critical care and pain, TMH Mumbai, delivered the talk on children in septic shock: continued care following resuscitation and how to recognize SIRS in children. In his talk, Dr Bhosle, highlighted the importance of recognition of sepsis in children with the early warning score, the importance of the first hour bundle of care in sepsis, obtaining cultures and starting antibiotics and the importance of individualized approach to goal directed fluid therapy based on clinical and biochemical parameters for restoring adequate perfusion. Dr Bhosale also responded to the queries which were put from the house.

The next talk of the session was delivered by Dr Anirban Bhattacharjee, Assistant Professor,

Department of anaesthesiology, at AIIMS, Guwahati, on “Pediatric ARDS: the situation at present”. He gave a very concise presentation and an overall idea of ARDS in paediatrics. The discussion included definition ,pathophysiology, ventilator strategies and overall management of paediatric ARDS.

Lastly, the session concluded with a panel discussion on “Multidisciplinary response to a child

who is crashing in paediatric ICU”. The session was moderated by Dr Prakash Deb, Assistant

Professor, Department of anaesthesiology, at AIIMS Guwahati. The panelists were Dr Shilpushp

Bhosale (Anaesthesiologist), Dr Manoj Saha (Paediatric surgeon), Dr Angkita Barman

(Intensivist), Dr Bipul Kr Das (Paediatrician). Dr Puja Banerjee (paediatrician). Different types of case scenarios were discussed starting from a child crashing while giving sedation outside OR, or in the post operative ward after major surgery to a child crashing in ICU with septicaemic shock. He stressed the importance of multidisciplinary team work in the resuscitation approach that leads to a good outcome.

The session concluded at 6.00 pm. The session coordinator concluded the session offering sincere gratitude to all the speakers, and the Chairperson.

Dr Ranjita Sharma

Assistant Professor, Surgical Oncology

Dr BBCI-Guwahati

At the end of Day 2, Dr. Swaraj Jyoti Sonowal, Assistant Professor, Anaesthesiology, BBCI delivered the vote of thanks.