|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | **CME-cum-Workshop on**  **Electron Therapy: *Revisited***  **Venue: Meditorium, FMRI** |  | |
| **Association of Medical Physicists of India** | | **In association with:** ***Association of Medical Physicists of India (Northern Chapter)*** | **Association of Medical Physicists of India** | |
|  | | | | |
| **08:30 – 09:00** | **REGISTRATION** | | | |
|  |  | | |  |
| **09:00 – 09:20** | **Inauguration: Bishnu Panigrahi, Head, Medical Operations**  **Fortis HealthCare** | | | |
| **08:30 – 09:00** |  | | |  |
| **09:20 – 09:20** | **Session-I** | | | |
| 09:20 – 09:40 | **Electron therapy – An introduction** | | | **Bidhu Mohanti** *(FMRI, Gurgaon)* |
| 09:40 – 10:00 | Physics of electrons | | |  |
| 10:00 – 10:20 | Current technology for generating electron beams | | |  |
| 10:20 – 10:40 | Electron beam depth-dose distributions | | | Ganesan Vasu |
| 10:40 – 11:00 | Principles of electron beam planning - I:  Beam energy, beam direction and collimating techniques | | |  |
| **11:00 – 11:15** | **Tea** | | | |
| **11:00 – 11:15** | **Session-II** | | | |
| 11:15 – 11:35 | Principles of electron beam planning - II:  Heterogeneity, Irregular surface, Bolus, Field abutment | | |  |
| 11:35 – 11:55 | Special Electron Therapy Procedures - I: Total Skin Electron Irradiation | | | R.K. Munjal |
| 11:55 – 12:15 | Special Electron Therapy Procedures - II: Intraoperative Electron Radiotherapy & Electron Arc Therapy | | |  |
| 12:15 – 12:35 | Field abutment: *Dosimetric and clinical challenges* | | | Dayananda Shamurailatpam |
| 12: 35 – 12:55 | Dose calculation algorithms for electron beams - Dilemmas and issues in the treatment planning stations | | |  |
| **12:55 – 13:30** | **LUNCH** | | | |
|  |  | | |  |
| **13:30 – 15:00** | **Session-III** | | | |
| 13:30 – 13:50 | Electron beam dosimetry: A recap of TRS-398 | | |  |
| 13:50 – 14:10 | Electron beam therapy: Impediments to clinical use | | |  |
| 14:10 – 14:30 | Electron beam data measurements for TPS commissioning | | | Atul Tyagi |
| 14:30 – 15:00 | Debate: Electron therapy has lost its relevance in modern day radiotherapy | | | For: Maria Das  Against: |
| 15:00 – 15:15 | Valedictory function | | |  |
| **15:15 – 17:15** | **Workshop** | | | |
| 15:15 – 16:15 | Group – 1 & 2 – Basement – Sessions on Linacs 1 & 2 | | |  |
| Group – 3 & 4 – Meditorium – Discussions with faculty/ Meet the Professor | | |  |
| 16:15 – 17:15 | Group – 3 & 4 – Basement – Sessions on Linacs 1 & 2 | | |  |
| Group – 1 & 2 – Meditorium – Discussions with faculty/Meet the Professor | | |  |