



AIIMS-NCI Brachytherapy Course, 2024 (ABC 2024)

9th – 13th December

Venue: National Cancer Institute, AIIMS, Jhajjar, Haryana 124105



Scientific Programme

Day 1 (9th Dec 2024) 2PM – 5PM

1.00 – 2.00 PM	Registration & Reception	
2.00-2.30 PM	Welcome Address and Lamp Lighting	
2.30-3.00 PM	Key Note Lecture : Brachytherapy practice in the precision era	Dr Sushil Beriwal, USA
3.00-3.30 PM	High Tea	
3.30-3.45 PM	Course Introduction	Dr DN Sharma
3.45-3.55 PM	Faculty Introduction	Dr Aman Sharma
3.55-4.15 PM	Delegate Introduction	Dr SK Saini
4.15-4.30 PM	Brachytherapy Guidelines Review	Dr S Mallick
4.30-5.00 PM	Brachytherapy Facility Round	Dr Karun Kamboj

Day 2 (10th Dec 2024) 9AM – 5PM

Course Faculty	Dr DN Sharma, Dr SK Saini, Dr Karun Kamboj, Dr Abhishek Medical Physics : Dr V Subramani, Dr Gopishankar, Dr Seema	
9.00-9.30 AM	General introduction : Gyn Brachytherapy	
9.30-9.45 AM	ICRT for Cervical Cancer: Rationale, patient selection, technique	
9.45-9.55 AM	Anesthetic considerations and pre-procedure preparation	
9.55-10.05 AM	Scrubbing, clean and draping (Video)	
10.05-10.15 AM	Role of USG in cervical cancer brachytherapy	
10.15-10.25 AM	USG guided Brachy procedure (video)	
10.25-10.40 AM	Post procedure imaging/simulation/panning	
10.40-10.55 AM	Role of Auto-segmentation and Planning in Brachytherapy	



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Day 2 (10th Dec 2024) 9 AM – 5 PM

10.55-11.05 AM	Coffee Break
11.05-12.05 PM	Hands-on Demo of ICRT Group 1 (Foyer 1)- Instruments-DNS Group 2 (TPS/conference room 2 nd floor)- Contouring-SK Group 3 (TPS/ground floor)-Planning-SS Group 4 (adjoining Audi)-Plan evaluation-KK
12.05-12.25 PM	ICRT in difficult cases
12.25-12.40 PM	Brachytherapy vs IMRT/SBRT/SFRT
12.40-1.00 PM	Interaction
1.00-1.40 PM	Lunch
1.40-2.00 PM	Interstitial Brachytherapy : Indication, preparation, evidence and guidelines
2.00 -2.10 PM	Template Brachytherapy Video
2.10-2.20 PM	ISBT by Venezia Applicator Video
2.20-2.40 PM	3D printing in brachytherapy
2.40 to 3.00 PM	Coffee Break
3.00-4.00 PM	Hands-on Demo of ISBT, Group 1 (Foyer 1)- Instruments-DNS Group 2 (TPS/conference room 2 nd floor)- Contouring-KK Group 3 (TPS/ground floor)-Planning-SS Group 4 (adjoining Audi)-Plan evaluation-SK
4.00 -4.20 PM	Vulvo-vaginal Brachytherapy
4.20-4.30 PM	Vulva brachytherapy Video
4.30-4.45 PM	Quality of life issues in Gyn Brachytherapy
4.45 PM onwards	Wrap-up and interaction



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Day 3 (11th Dec 2024) 9 AM – 5 PM

Course faculty	Dr DN Sharma, Dr Suman Bhasker, Dr Aman Sharma, Dr SK Saini, Dr. Vivek Medical Physics: Dr V Subramani, Dr Gopishankar, Dr Dhanbalan, Dr. Seema
9.00-9.30 AM	General introduction (Head & Neck Brachytherapy)
9.30-9.45 AM	Brachytherapy for Oral cancers: Rationale, patient selection, technique
9.45-9.55 AM	Preparation, Pre-simulation
9.55-10.05 AM	Scrubbing, cleaning and draping (Video)
10.05-10.15 AM	Oral cancer brachytherapy (video)
10.15-10.25 AM	Salvage brachy (video)
10.25-10.40 AM	Post procedure imaging/simulation/planning
10.40-11.00AM	Coffee Break
11.00-12.00 PM	Hands-on Demo of H&N Brachy, contouring etc.
12.00-12.15 PM	Brachytherapy for Neck Nodes
12.15-12.40 PM	Removal of implant
12.40-1.00 PM	Case based discussion
1.00-1.45PM	Lunch
1.45 -2.00PM	Role of Brachy in Carcinoma prostate
2.00 -2.15M	Role of Brachytherapy in penile cancer
2.15-2.25PM	Prostate Brachy (Video)
2.25-2.35PM	Penile brachy Video
2.35-2.50 PM	Intraoperative & Perioperative Brachytherapy
2.50-3.00PM	Coffee Break
3.00-3.20 PM	Role of Ocular Brachy



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Day 3 (11th Dec 2024) 9 AM – 5 PM

3.20-3.35PM	Ocular Brachy: plaque facility, dosimetry planning
3.35-4.00PM	3D printing Demo
4.00-4.20PM	Interaction/ AI Contouring
4.20 PM onwards	Wrap-up and interaction

Day 4 (12th Dec 2024) 9AM – 5PM

Course Faculty	Dr DN Sharma, Dr Rambha Pandey, Dr. Aman Sharma, Dr S K Saini, Dr Supriya Mallick, Dr Karun Kamboj Medical Physics : Dr Seema, Sangeeta, Jaswin Raj
9.00-9.30 AM	General introduction (Breast Brachytherapy)
9.30-9.45 AM	Brachytherapy for APBI and Boost: Rationale, patient selection, technique
9.45-9.55 AM	Preparation, Pre-simulation
9.55-10.05 AM	Scrubbing, cleaning and draping (Video)
10.05-10.15 AM	Intra-op Breast Brachytherapy Video
10.15-10.25 AM	Post-op Breast Brachytherapy (video)
10.25-10.40 AM	Post procedure imaging/simulation/planning
10.40-11.00AM	Coffee Break
11.00-12.00 PM	Hands-on Demo of Breast Brachy, Group 1 (Foyer 1)- Instruments-DNS Group 2 (TPS/conference room 2 nd floor)- Contouring-SM Group 3 (TPS/ground floor)-Planning-SHZ Group 4 (adjoining Audi)-Plan evaluation-SK
12.00-12.15 PM	APBI Study RTOG 0413 : An Appraisal
12.15-12.40 PM	Breast ISBT vs IMRT/SFRT
12.40-1.00 PM	Breast brachytherapy following oncoplasty
1.00-2PM	Lunch



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Day 4 (12th Dec 2024) 9AM – 5PM

2.00-2.15 PM	ILRT in lung cancer
2.15 -2.30PM	Interstitial brachytherapy in lung cancer
2.30-2.40 PM	ILRT lung (Video)
2.40-2.55PM	Liver Brachy
2.55-3.00 PM	Liver Brachy case demo
3.00-3.10PM	ILRT in carcinoma of esophagus
3.10-3.30 PM	Coffee Break
3.30-3.45 PM	Brachytherapy in brain tumours
3.45-4.00 PM	Brachytherapy in Sarcomas
4.00-4.20 PM	Sarcoma brachytherapy video
4.20-4.30 PM	Interaction
4.30 PM onwards	Wrap-up and interaction

Day 5 (13th Dec 2024) 9AM – 12PM

Course faculty	Dr DN Sharma, Dr SK Saini, Dr Aman, Dr S Mallick, Dr Karun	
9.30-9.45AM	Course Recap	
9.45-10.15 AM	Theory assessment of participants	
10.15-11 AM	Practical assessment for participants	
11.00-11.15 AM	Feedback from participants	
11.15 onwards	Final remarks, Closing	