

Supplement File

<p>1. YouTube Link for Video recordings shared with participants for future reference https://youtube.com/channel/UCCALyLJfgX607yBOyD2zX3g</p>
<p>2. Course is listed on NCG (National Cancer Grid) website too with title “ Target Volume Delineation Webinar Series” https://ncgeducation.in/course/index.php</p>
<p>3. References for Standard Contouring Guidelines- Shared as Pre-webinar study material</p> <ol style="list-style-type: none">1. Lee AW, Ng WT, Pan JJ, Poh SS, Ahn YC, AlHussain H, et al. International guideline for the delineation of the clinical target volumes (CTV) for nasopharyngeal carcinoma. <i>Radiother Oncol.</i> 2018;126(1):25–36.2. Wo JY, Yoon SS, Guimaraes AR, Wolfgang J, Mamon HJ, Hong TS. Gastric lymph node contouring atlas: A tool to aid in clinical target volume definition in 3-dimensional treatment planning for gastric cancer. <i>Pract Radiat Oncol.</i> 2013;3(1):e11-9.3. Salembier C, Villeirs G, De Bari B, Hoskin P, Pieters BR, Van Vulpen M, et al. ESTRO ACROP consensus guideline on CT- and MRI-based target volume delineation for primary radiation therapy of localized prostate cancer. <i>Radiother Oncol.</i> 2018;127(1):49–61.4. Valentini V, Gambacorta MA, Barbaro B, Chiloiro G, Coco C, Das P, et al. International consensus guidelines on Clinical Target Volume delineation in rectal cancer. <i>Radiother Oncol.</i> 2016;120(2):195–201.5. Nestle U, De Ruyscher D, Ricardi U, Geets X, Belderbos J, Pöttgen C, et al. ESTRO ACROP guidelines for target volume definition in the treatment of locally advanced non-small cell lung cancer. <i>Radiother Oncol.</i> 2018;127(1):1–5.6. Bansal A, Patel FD, Rai B, Gulia A, Dhanireddy B, Sharma SC. Literature review with PGI guidelines for delineation of clinical target volume for intact carcinoma cervix. <i>J Cancer Res Ther.</i> 2013;9(4):574–82.7. Toita T, Ohno T, Kaneyasu Y, Kato T, Uno T, Hatano K, et al. A consensus-based guideline defining clinical target volume for primary disease in external beam radiotherapy for intact uterine cervical cancer. <i>Jpn J Clin Oncol.</i> 2011;41(9):1119–26.8. Gee HE, Moses L, Stuart K, Nahar N, Tiver K, Wang T, et al. Contouring consensus guidelines in breast cancer radiotherapy: Comparison and systematic review of patterns of failure. <i>J Med Imaging Radiat Oncol.</i> 2019;63(1):102–15.9. Srobf.cz. [cited 2021 Sep 9]. Available from: https://www.srobf.cz/downloads/cilove-objemy/breastcanceratlas.pdf10. Offersen BV, Boersma LJ, Kirkove C, Hol S, Aznar MC, Biete Sola A, et al. ESTRO consensus guideline on target volume delineation for elective radiation therapy of early stage breast cancer. <i>Radiother Oncol.</i> 2015;114(1):3–10.11. Niyazi M, Brada M, Chalmers AJ, Combs SE, Erridge SC, Fiorentino A, et al. ESTRO-ACROP guideline “target delineation of glioblastomas.” <i>Radiother Oncol.</i> 2016;118(1):35–42.12. Wu AJ, Bosch WR, Chang DT, Hong TS, Jabbour SK, Kleinberg LR, et al. Expert

consensus contouring guidelines for intensity modulated radiation therapy in esophageal and gastroesophageal junction cancer. Int J Radiat Oncol Biol Phys. 2015;92(4):911–20.

4. Program Schedule details attached below



WEBINARS ON TARGET VOLUME DELINEATION

3rd INTERMEDIATE – CERTIFICATE COURSE

SKILL BASED LEARNING PROGRAM

1st AUGUST 2020 - 13th AUGUST 2020



DEPARTMENT OF RADIATION ONCOLOGY, RCC JIPMER, PUDUCHERRY

TOPIC	DATE & TIME	SPEAKER	HOST
Introductory session on Vessel Anatomy	1st August Saturday 6.00- 7.00 PM	Dr. Dodul Mondal Consultant Radiation Oncology, New Delhi	Dr. Gunaseelan K HOD & Addl. Professor Radiation Oncology, RCC, JIPMER
Introductory session on Nodal Anatomy	2nd August Sunday 6.00- 7.00 PM	Dr. Dodul Mondal Consultant Radiation Oncology, New Delhi	Dr. V. Parthasarthy Addl. Professor, Radiation Oncology RCC, JIPMER
Cervix Carcinoma- Radiological Anatomy & Target Volume Delineation	3rd August Monday 6.00- 7.00 PM	Dr. Jagadesan P Addl. Professor, Radiation Oncology RCC, JIPMER	Dr. V. Parthasarthy Addl. Professor, Radiation Oncology RCC, JIPMER
Nasopharyngeal Carcinoma- I-Radiological Anatomy & Staging II- Evidence for Management and Target Volume Delineation	4th & 5th August Tuesday, Wednesday 7.00- 8.00 PM	Dr. Cessal Thommachan Kainickal Addl. Professor, Radiation Oncology, RCC, Trivandrum	Dr. Pooja Sethi Asst. Professor, Radiation Oncology, RCC, JIPMER
Rectal, Anal & Prostate Carcinoma- Radiological Anatomy & Target Volume Delineation	6th & 7th August Thursday, Friday 6.00- 7.00 PM	Dr. Indranil Mallick Professor, Radiation Oncology TMC, Kolkata	Dr. Gunaseelan K HOD & Addl. Professor Radiation Oncology, RCC, JIPMER
Gliomas & Meningiomas- Radiological Anatomy & Target Volume Delineation	8th August Saturday 6.00- 7.00 PM	Dr. Rajesh Balakrishnan Professor, Radiation Oncology CMC, Vellore	Dr. Shyama S Prem Addl. Professor, Radiation Oncology RCC, JIPMER
Esophagus & Stomach Carcinoma- Radiological Anatomy & Target Volume Delineation	11th August Tuesday 6.00- 7.00 PM	Dr. Ashutosh Mukherji Professor, Radiation Oncology TMH, Varanasi	Dr. Jagadesan P Addl. Professor, Radiation Oncology RCC, JIPMER
Lung Carcinoma- Radiological Anatomy & Target Volume Delineation	12th August Wednesday 6.00- 7.00 PM	Dr. Kannan Periasamy Asst. Professor, Radiation Oncology PGIMER, Chandigarh	Dr. Shyama S Prem Addl. Professor, Radiation Oncology RCC, JIPMER
Online QUIZ	13th August Thursday 5.00- 6.00 PM	6.00-7.00 PM- Discussion	

Table 4- Survey questionnaire (A): TVD (Target Volume Delineation) Webinar series (1st August 2020-12th August 2020) Participants' opinion about need and Utility of webinars for target volume delineation training

	Strongly Agree		Agree		Neither Agree nor Disagree		Disagree		Strongly Disagree	
	n	%	n	%	n	%	n	%	n	%
Do you agree that there is a need to supplement institutional training in target volume delineation with additional courses?	213	59.83%	129	36.24%	12	3.37%	2	0.56%	0	0.0%
Do you agree that an online webinar with tools like chat box and voice option gives more opportunity to interact with the speakers than a live seminar?	157	44.1%	171	48.03%	19	5.34%	8	2.25%	1	0.28%
Virtual meetings provide a more stress-free and comfortable environment compared to conventional teaching sessions.	166	46.63%	137	38.48%	42	11.8%	7	1.97%	4	1.12%
Do you agree that online webinars should be conducted routinely post Covid-19 pandemic?	213	59.83%	122	34.27%	16	4.49%	3	0.84%	2	0.56%
	Major effect		Moderate effect		Minor effect		No effect		Not sure	
How much effect has the COVID pandemic had on training in your institute?	120	33.71%	172	48.31%	42	11.8%	16	4.49%	6	1.69%
	Strongly favour		Somewhat favour		Neutral		Somewhat oppose		Strongly Oppose	
What is your opinion of having an online practical assessment course on target volume delineation?	256	71.91%	76	21.35%	21	5.9%	1	0.28%	2	0.56%
	Always		Often		Sometimes		Rarely		Never	
How often do you consult target volume delineation guidelines?	161	45.22%	154	43.26%	30	8.43%	8	2.25%	3	0.84%

Table 5- Participants feedback on target volume delineation webinar series conducted from 1st August 2020- 12th August 2020

	Strongly Agree		Agree		Neither Agree nor Disagree		Disagree		Strongly Disagree	
	n	%	n	%	n	%	n	%	n	%
Time given for interaction with the speaker was adequate	94	26.40%	234	65.73%	19	5.34%	5	1.40%	4	1.12%
Whether the session time during webinar was effectively utilized	167	46.91%	185	51.97%	2	0.56%	2	0.56%	0	0%
	Extremely useful		Very useful		Moderately useful		Slightly useful		Not at all useful	
How useful did you find the study material shared before the webinars in understanding the classes?	162	45.51%	167	46.91%	21	5.9%	6	1.69%	0	0
How useful was the online quiz in revising the points learned during the webinar?	134	37.64%	182	51.12%	33	9.27%	5	1.40%	2	0.56%
	To a very great extent		To a large extent		To some extent		To a little extent		Not at all	
To what extent do you think this webinar help in improving your knowledge of Radiological Anatomy and Target Volume Delineation?	164	46.07%	161	45.22%	31	8.71%	0	0.00%	0	0.00%
	Always		Often		Sometimes		Rarely		Never	
Have you faced any interruptions or technical issues during webinar sessions?	1	0.28%	4	1.12%	94	26.40%	170	47.75%	87	24.44%
	Excellent		Good		Fair		Poor		Very Poor	

How do you rate the overall quality- (Topics chosen and time duration) of the webinar sessions?	221	62.08%	128	35.96%	4	1.12%	0	0.00%	3	0.84%
	Extremely likely		Likely		More or less likely		Unlikely		Extremely Unlikely	
How likely are you to incorporate the points learnt from this webinar into your daily practice?	208	58.43%	137	38.48%	11	3.09%	0	0.0%	0	0.00%