

Case History:

Patient is a 57-year-old woman with a diagnosis of FIGO stage IIA grade 2 endometrioid adenocarcinoma after initially presenting with post-menopausal bleeding. She underwent total robotic hysterectomy, bilateral salpingo-oophorectomy, and bilateral sentinel lymph node dissection. Pathology confirmed a 4 cm FIGO grade 2 endometrioid carcinoma involving the anterior and posterior endometrium, anterior and posterior lower uterine segment, and anterior cervix. The depth of cervical stroma invasion was 2.5 mm of 8.6 mm. There was no myometrial invasion or uterine serosal involvement. There was no lymphovascular invasion. All margins were negative for invasive carcinoma. No lymph node tissue was present in the two sentinel lymph nodes obtained. p53 was not over expressed on immunostain, and there was intact expression of MSI proteins MLH1, MSH2, MSH6 and PMS2 on immunostaining. She was recommended to undergo adjuvant external beam radiation therapy to a dose of 4500 cGy in 25 fractions.

Contouring Homework:

Contour the ITV_4500 at the level of S2

Contour the ITV_4500 at the most inferior extent of the external iliac lymph nodes

Contour the rectum at the level of S5