

Space0AR Vue™ Hydrogel

Treatment Planning Guide

Treatment planning (photon beam)

If you are an existing SpaceOAR™ Hydrogel user, refer to the treatment planning recommendation below when creating a radiation treatment plan for external beam radiation treatment.

Density correction

	From SpaceOAR Hydrogel	To SpaceOAR Vue Hydrogel
<ul style="list-style-type: none">• CT-based planning• CT+MRI fusion, followed by CT-based planning	No density override applied	Contour gel and apply density override to treat gel as water

What is SpaceOAR Vue Hydrogel's attenuation and is it similar to bone?

SpaceOAR Vue Hydrogel's HU is ~300, whereas bone is about 1000

Treatment planning (proton beam)

What is the estimated relative stopping power of SpaceOAR Vue Hydrogel for proton treatment?

Proton relative stopping power within 2% of water (estimated "effective HU" of approx. 20, similar density of the prostate and surrounding tissue).

Does any density override need to be applied for proton treatment planning?

On CT, the effect on proton range is overestimated by 12% and this needs to be corrected for in planning with a proper override applied.

To learn more about SpaceOAR Vue Hydrogel, contact your Boston Scientific representative

SpaceOAR and SpaceOAR Vue Hydrogels are intended to temporarily position the anterior rectal wall away from the prostate during radiotherapy for prostate cancer and in creating this space it is the intent of SpaceOAR and SpaceOAR Vue Hydrogels to reduce the radiation dose delivered to the anterior rectum.

As with any medical treatment, there are some risks involved with the use of SpaceOAR and SpaceOAR Vue Hydrogels. Potential complications associated with SpaceOAR and SpaceOAR Vue Hydrogels include, but are not limited to: pain associated with SpaceOAR and SpaceOAR Vue Hydrogels injection; pain or discomfort associated with SpaceOAR and SpaceOAR Vue Hydrogels; needle penetration of the bladder, prostate, rectal wall, rectum or urethra; injection of SpaceOAR and SpaceOAR Vue Hydrogels into the bladder, prostate, rectal wall, rectum or urethra; local inflammatory reactions; infection; injection of air, fluid or SpaceOAR and SpaceOAR Vue Hydrogels intravascularly; urinary retention; rectal mucosal damage, ulcers, necrosis; bleeding; and rectal urgency.

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