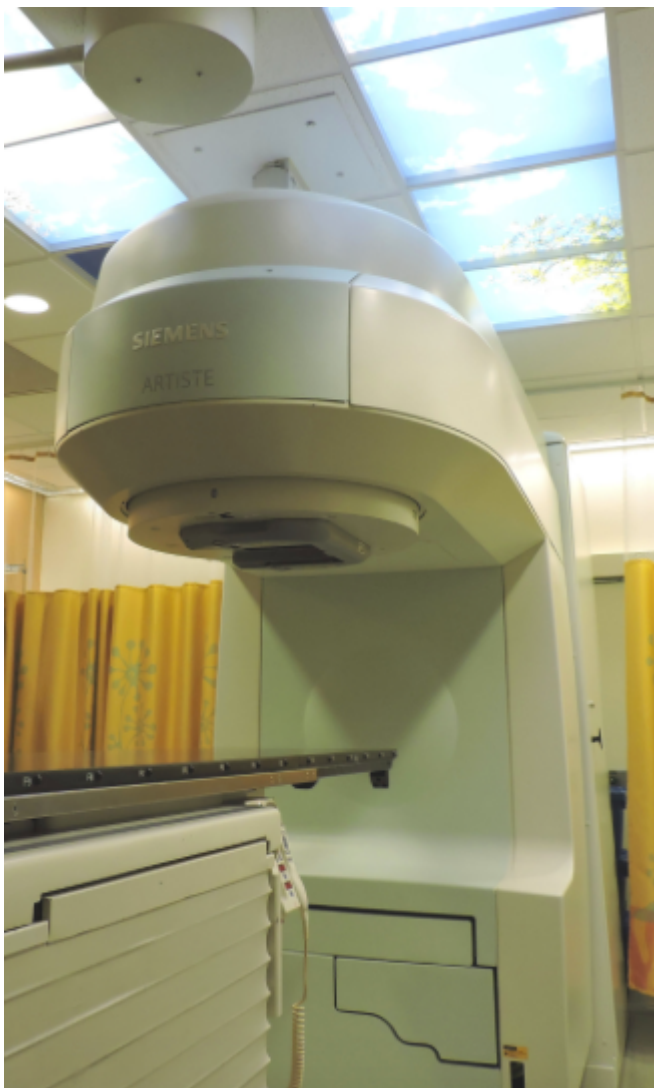


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Home > Patient Care > Types of Treatment > External beam radiation therapy (EBRT) > ARTISTE

ARTISTE



Artiste machine integrates imaging for precise targeting of radiation beam.

The ARTISTE, a high-precision radiation therapy machine, is ideally suited for Image-Guided Radiation Therapy

[1] (IGRT), which improves targeting of the radiation beam and reduces risk to nearby tissue. The system allows us to custom-design each patient's treatment for optimal care. The Siemens syngo® RT Therapist operating system integrates imaging with treatment delivery to provide fast and accurate radiation delivery, and the Siemens open design and large patient clearance provide a comfortable environment.

The ARTISTE is equipped with the world's most advanced megavoltage 3D imaging system for guiding patient positioning in complex cases.

The ARTISTE provides a precisely sculpted 3D radiation dose for intensity-modulated radiation therapy (IMRT) [2].

Several new techniques were developed at UCSF on the Artiste, including total-body irradiation (TBI) [3] and emergency radiation treatment using on-board imaging.

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Links

[1] <http://radonc.ucsf.edu/image-guided-radiation-therapy-igrt>

[2] <http://radonc.ucsf.edu/intensity-modulated-radiation-therapy-imrt>

[3] <http://radonc.ucsf.edu/total-body-irradiation-tbi>