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Stereotactic Body Radiation Therapy (SBRT)

Stereotactic Body Radiation Therapy (SBRT) is a treatment procedure similar to stereotactic radiosurgery for the central nervous system, except that SBRT treats tumors outside of the central nervous system. A stereotactic radiation treatment for the body means that a specially designed coordinate-system is used for the exact localization of the tumors in the body in order to treat them with limited but highly precise treatment fields. SBRT involves the delivery of a single high dose radiation treatment, or a few fractionated radiation treatments (usually up to five treatments).



CyberKnife Team at UCSF

UCSF's Department of Radiation Oncology offers the most advanced treatments to patients whose cancers range from the relatively common to the most complex and rare, in a caring, patient-focused environment. UCSF is at the forefront of technology with three state-of-the-art systems:

- CyberKnife ^[1]
- TrueBeam? STx with Novalis Radiosurgery ^[2]
- Versa HD ^[3]

All three systems are equipped with image-guided devices that provide highly accurate, concentrated doses of radiation. All three systems track the location of tumors during breathing and other movements, and deliver radiation with the greatest precision.

The three systems can be used to treat the following malignancies:

- Brain and Spine tumors - Adults ^[4]
- Brain and Spine tumors - Children ^[5]
- Head and Neck tumors ^[6]
- Lung tumors ^[7]
- Liver tumors ^[8]
- Pancreas tumors ^[8]

? ^[8]

Stereotactic Body Radiation Therapy Team

Alexander Gottschalk, MD, PhD [9], Director

Mekhail Anwar, MD, PhD [10]

Steve Braunstein, MD, PhD [11]
UCSF Main Site

Martina Descovich, PhD [12]

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Felix Feng, MD [13]

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Mary Feng, MD [14]

Links

[1] <https://radonc.ucsf.edu/cyberknife>

[2] <https://radonc.ucsf.edu/truebeam>

[3] <https://radonc.ucsf.edu/versa-hd>

[4] <https://radonc.ucsf.edu/brain-spine-tumors-adults>

[5] <https://radonc.ucsf.edu/brain-spine-tumors-children>

[6] <https://radonc.ucsf.edu/head-neck>

[7] <https://radonc.ucsf.edu/thoracic-cancers>

[8] <https://radonc.ucsf.edu/stomach-pancreatic-cancers-upper-gi>

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[11] <https://radonc.ucsf.edu/steve-braunstein>

[12] <https://radonc.ucsf.edu/martina-descovich>

[13] <https://radonc.ucsf.edu/felix-feng>

[14] <https://radonc.ucsf.edu/mary-feng>

[15] <https://radonc.ucsf.edu/shannon-fogh>

[16] <https://radonc.ucsf.edu/jean-nakamura>

[17] <https://radonc.ucsf.edu/david-raleigh>

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[19] <https://radonc.ucsf.edu/penny-sneed>

[20] <https://radonc.ucsf.edu/atchar-sudhyadhom>

[21] <https://radonc.ucsf.edu/anthony-wong>

[22] <https://radonc.ucsf.edu/sue-yom>