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Microbeam Radiation Therapy

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The intense X-ray beams available at large scale facilities and, in the near future, at compact sources, are also well suited for radiation therapy. A flagship development in this field is microbeam radiation therapy (MRT), which uses very high doses of microscopic beams delivered to tissues in a fraction of a second. These microbeams are very well tolerated by normal tissues while tumoral tissues appear to be much more radiosensitive. MRT is being tested for the treatment of aggressive brain tumors and for brain function modulation.

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