

# Novalis Tx™

## Revolutionizing the treatment of tumors

Novalis Tx™ represents a new standard in radiosurgery, offering advanced technologies that deliver highly precise, fast treatment. Novalis Tx™ incorporates a powerful linear accelerator, which rotates around the patient to deliver treatment beams anywhere in the body from virtually any angle. A set of sophisticated image-guidance and motion management tools provide clinicians with detailed information about the shape, size and position of the targeted lesion; guide patient setup and positioning; and monitor motion during treatment.

### PRECISE

- Shapes the radiation beam to match the exact contour of the tumor or lesion, ensuring the maximum prescribed dose of high energy radiation is delivered to the entire tumor.
- Protects surrounding healthy tissue.
- Adapts the treatment beam to breathing and other body movements to continuously maintain safe, complete and accurate dose delivery.

### FAST

- Non-invasive, outpatient procedure lasts just 15 to 20 minutes, for a more comfortable and less restricted treatment experience than other radiosurgery devices.
- Reduces the likelihood of patient or tumor movements, ensuring the highest possible level of treatment accuracy.
- Treatment can take place in a single day, although your doctor will decide if your treatment should be administered in a single dose or in a series of doses.

### VERSATILE

- Employs a wide range of treatment modalities, ensuring you receive the best treatment for your individual case. Other radiosurgery devices are limited to only one treatment modality.
- Delivers the industry's highest dose rate, penetrating deeper to treat tumors previously considered untreatable.
- Offers hope to patients with clinical conditions once considered untreatable and those for whom surgery is not an option.

### NON-INVASIVE

- Frameless radiosurgery offers a more patient-friendly alternative to other radiosurgery devices that require immobilization with a head ring that attaches to the skull.

Choosing Novalis Tx™ radiosurgery means making no compromises on cancer treatment—a painless, non-invasive outpatient procedure for cancerous and non-cancerous conditions of the entire body. Novalis Tx™ uses a treatment beam contoured to the exact shape of a patient's tumor, precisely delivering treatment while protecting surrounding healthy tissue. Novalis Tx™ gives new hope to patients with tumors once considered untreatable.



## What effect can radiation have on a tumor or lesion?

Radiosurgery and radiotherapy use high-energy radiation beams to deliver the prescribed radiation dose directly to tumor cells, causing them to die. Treatment results, visible on follow-up scans, may include shrinkage of the tumor or no further tumor growth. Because cell destruction and absorption of the cells within a patient's system can be a lengthy process, it can take up to six months before the effect of treatment can be determined by doctors.

### Terms to Know

**Radiotherapy:** The use of high-energy radiation such as x-rays, gamma rays, neutrons and other sources to treat tumors and destroy cancer cells.

**Radiosurgery:** A radiation therapy procedure that delivers a large dose of radiation to a tumor over one to five treatment sessions.

**Stereotactic Radiosurgery:** Radiation treatment of a tumor that is applied in a single session with a high dose of radiation.

**Fractionated Stereotactic Radiotherapy:** A series of radiation treatments over a period of time.

**Image-Guided Radiosurgery (IGRS):** Radiation treatment that uses real-time x-ray imaging to deliver precisely focused, high-energy radiation to a tumor.



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