

Novalis® Radiosurgery

Novalis **Radiosurgery** treats cancerous and non-cancerous conditions of the entire body using one-of-a-kind shaped-beam technology. Shaping the beam precisely to the patient's tumor ensures that the best possible treatment dose is delivered while healthy tissue is protected. It's non-invasive*, shaped-beam radiosurgery that takes just minutes out of your patient's day. They go in, get treated and get back to life. Novalis Radiosurgery Benefits As one of the most advanced cancer treatment options available, Novalis Radiosurgery is changing the face of cancer treatment, and has already helped thousands of people continue to go to work, spend time with family and friends, and take part in their favorite activities, all while fighting cancer.

- Precise □ Shapes the cancer-fighting radiation beam around your patient's tumor or lesion, ensuring that the maximum prescribed dose of high-energy radiation is delivered to the entire tumor or lesion
- Protects surrounding healthy tissue
- Adapts treatment to your patient's breathing and other body movements so that radiation delivery is always safe, complete and accurate
- Fast □ Delivers treatment in as little as 15-20 minutes for a more comfortable treatment experience when compared with other radiosurgery treatment options
- Reduces the likelihood of patient or tumor movements, ensuring the highest possible level of treatment accuracy
- Offers one-time treatment or a series of treatments based on your patient's doctors' recommendations
- Personalized □ Offers frameless and frame-based treatment of cranial indications as well as extra-cranial treatment of spine, lung, liver and prostate lesions
- Flexible treatment options—single stage, hypo- and hyper-fractionation; circular and conformal beams; dynamic conformal arcs; IMRT—ensure that your patients receive the best treatment for their condition—other radiosurgery devices are limited to only one treatment modality
- Delivers one of the highest dose rates to treat tumors deep inside the body or brain
- Offers hope to those with clinical conditions once considered untreatable and for whom surgery is not an option
- Non-Invasive □ Frameless radiosurgery offers a more patient-friendly treatment experience with a custom-fit mask, as compared to being locked in an invasive head ring for an extended procedure

NOvalis radiosurgery treatment advantage Other radiosurgery systems use circular beams of radiation to treat tumors and lesions. Most tumors or lesions are irregular in shape so the circular dose cannot completely conform to their exact shape. Novalis Radiosurgery shapes the radiation beam precisely to your patient's tumor or lesion, ensuring that the best possible treatment dose is delivered while healthy tissue is protected. The radiation beam also adapts to patient breathing and other body movements to continuously maintain safe, complete and accurate treatment. Novalis Radiosurgery offers the highest standard in patient comfort. Treatments last only minutes and patients wear a frameless custom-fit mask, rather than being locked in an invasive head ring.

IMPORTANCE OF FAST TREATMENT Fast treatment is more comfortable and reduces the likelihood of body or tumor movements, increasing overall accuracy. In addition to offering one of the fastest treatment times, Novalis Radiosurgery continuously tracks your patient's body and tumor motion and automatically adjusts the beam of radiation, maintaining the highest possible level of treatment accuracy. Novalis Radiosurgery is not appropriate for all patients. Serious side effects may occur, such as peripheral tissue damage. Possible side effects include fatigue, headache and nausea, and may require treatment with steroids. Treatment times and number of treatments may vary. *Some doctors may opt for a headframe for some indications.

- Acoustic neuromas
- Arteriovenous malformations (AVM)
- Brain metastases/gliomas
- Cavernous angiomas
- Craniopharyngiomas
- Intractable seizures
- Liver tumors/metastases
- Lung tumors/metastases
- Meningiomas of the skull base
- Parkinson's disease
- Pediatric brain tumors
- Pituitary adenomas
- Prostate cancer/ metastases
- Recurrent brain tumors
- Spine tumors/metastases
- Trigeminal neuralgia

Conditions Novalis Radiosurgery Treats Novalis radiosurgery treats cancerous and non-cancerous conditions including:

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