

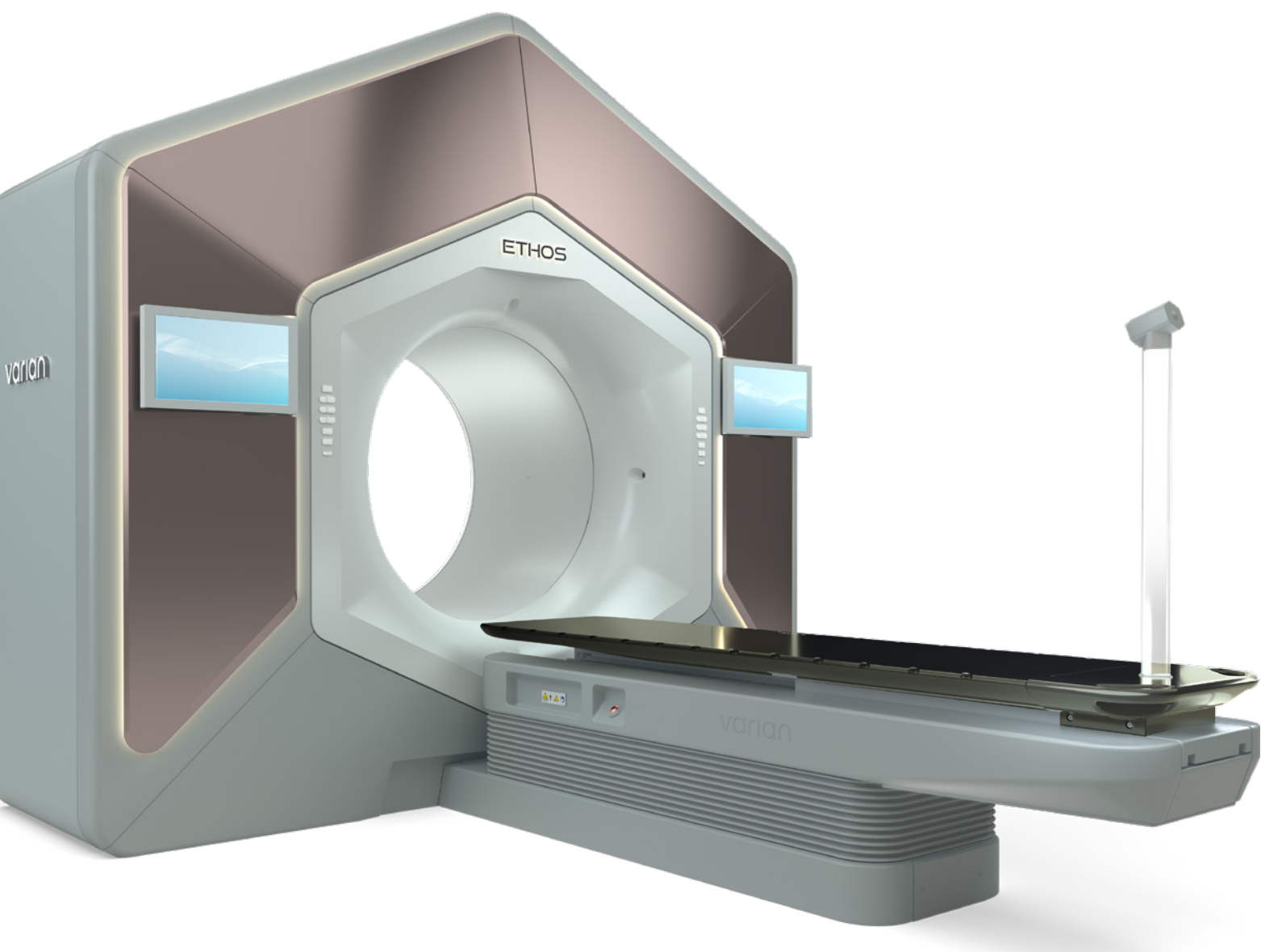


Ethos therapy redefines personalized cancer care

An Adaptive Intelligence™ solution

Radiation treatment used to mean delivering the radiation each day exactly as originally planned, regardless of patient changes over the course of therapy. If organs shifted or the target changed size or shape, creating a new plan was too resource-intensive and time-consuming to undertake. That was yesterday.

Ethos therapy transforms cancer care with Adaptive Intelligence. It is the long-awaited solution that puts each patient truly at the center of care. For the first time, radiation oncologists have powerful yet simple tools to achieve their intention for each patient, each and every day. They can see changes in patient anatomy, adapt the treatment plan within minutes, and deliver it, all within a typical 15-minute treatment timeslot. Online adaptive therapy is no longer an elusive aspiration, too complex and time-consuming to be practical and too exclusive for most clinics and patients. True to the Ethos name, this revolutionary therapy is within reach now for every cancer patient in virtually every hospital and cancer center. Welcome to the Ethos community and the exciting future of adaptive therapy.





Removing the barriers to adaptive therapy

The foundation of Ethos therapy is Adaptive Intelligence, which uniquely integrates advanced multimodality images and artificial intelligence, enabling clinicians to see more, know more, and treat more precisely. A revolution in personalized cancer care might be expected to increase complexity. But not with Ethos therapy. Ethos therapy is so intuitive to use that we believe it can be adopted in virtually any clinic or hospital. No additional specialized staff or intensive new training is required. Information for making decisions is presented in a structured, contextually logical, and easy to understand manner.

New levels of visibility

Ethos therapy integrates Iterative CBCT and multimodality diagnostic quality images at the point of treatment on the treatment console. By providing the most current view of patient anatomy in exquisite detail, Ethos therapy gives clinicians confidence that adapted plans are based on high quality imaging.

Streamlined adaptive workflow

At each treatment, Ethos therapy will:

- Visualize today's anatomy with Iterative CBCT images
- Access diagnostic-quality CT, PET and MR images at the treatment console
- Create AI aided contours in seconds
- Calculate the dose for the scheduled plan on today's anatomy
- Create AI-driven adapted treatment plans which take full advantage of the dual layer MLC, high dose rate, rapid gantry rotation, and state of the art treatment delivery
- Evaluate treatment plans against the physician's intent
- Perform patient specific quality assurance closely coupled with the Mobius quality assurance platform
- Deliver treatment on a platform designed to enhance flexibility in patient positioning and comfort while ensuring high staff satisfaction and productivity
- Every step of the workflow is optimized for speed and safety

Simplified decision-making guided by AI

Ethos therapy takes the complexity out of adaptive planning and enables decisions in minutes.

Each day, the clinician selects the plan—original or adapted—that meets his or her intent. Ethos therapy facilitates dose delivery to the target as planned, helps to spare organs at risk, and enables more customized margins to potentially reduce toxicity.

- Information is structured hierarchically for a more robust decision-making process
- Intuitive decision tree guides the entire adaptive therapy workflow
- Treatment management and treatment planning applications are tightly coupled and context-aware

Flexibility in delivery techniques

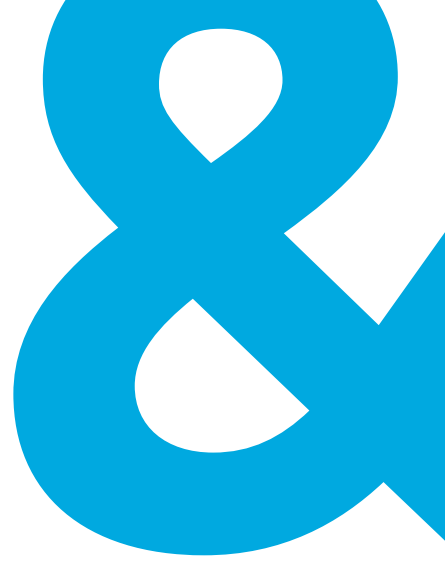
Ethos therapy enables clinicians to assess techniques and choose the one that is most appropriate for the patient.

- Supports both VMAT and sliding window IMRT
- On-couch adaption, off-couch adaption, or no adaption

Familiar, efficient QA

QA for Ethos therapy follows a familiar workflow that saves time and resources while enhancing confidence in results.

- Independent adaptive plan QA can be performed on-demand without impeding treatment workflow
- No additional staff or training is required for Ethos therapy commissioning or QA
- Initial planning and adaptive planning at the console use the same algorithms for consistency



The Ethos community

Adaptive therapy is no longer the exclusive province of large academic centers. Ethos therapy makes personalized adaptive therapy attainable for most centers and most patients. Welcome to the Ethos community and the future of personalized cancer care.

Intended Use Summary

Varian Medical Systems' linear accelerators are intended to provide stereotactic radiosurgery and precision radiotherapy for lesions, tumors, and conditions anywhere in the body where radiation treatment is indicated.

Important Safety Information

Radiation treatments may cause side effects that can vary depending on the part of the body being treated. The most frequent ones are typically temporary and may include, but are not limited to, irritation to the respiratory, digestive, urinary or reproductive systems, fatigue, nausea, skin irritation, and hair loss. In some patients, they can be severe. Treatment sessions may vary in complexity and time. Radiation treatment is not appropriate for all cancers.

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510(k) pending—Not available for sale in all jurisdictions

Varian Medical Systems as a medical device manufacturer cannot and does not recommend specific treatment approaches.

Specifications subject to change without notice.

Not all features or products are available in all markets and are subject to change.

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