RapidArc Dynamic

A TURNING POINT FOR ARC THERAPY

varian

A Siemens Healthineers Company

A single solution.
A spectrum of possibilities.

Unlock the full potential of planning and delivery

Powered by next-generation algorithms, RapidArc Dynamic solution combines a dynamic collimator and modulated ports working seamlessly in a single arc treatment field, providing clinicians with supreme control for optimal dose delivery.

RapidArc Dynamic unlocks new possibilities by enabling clinicians to quickly generate treatment plans in seconds while reducing dose to organs at risk. It is specifically designed to help improve plan quality, streamline complex case planning, and save time—empowering clinical teams to deliver more personalized care, efficiently.

A paradigm shift in enhanced efficiency

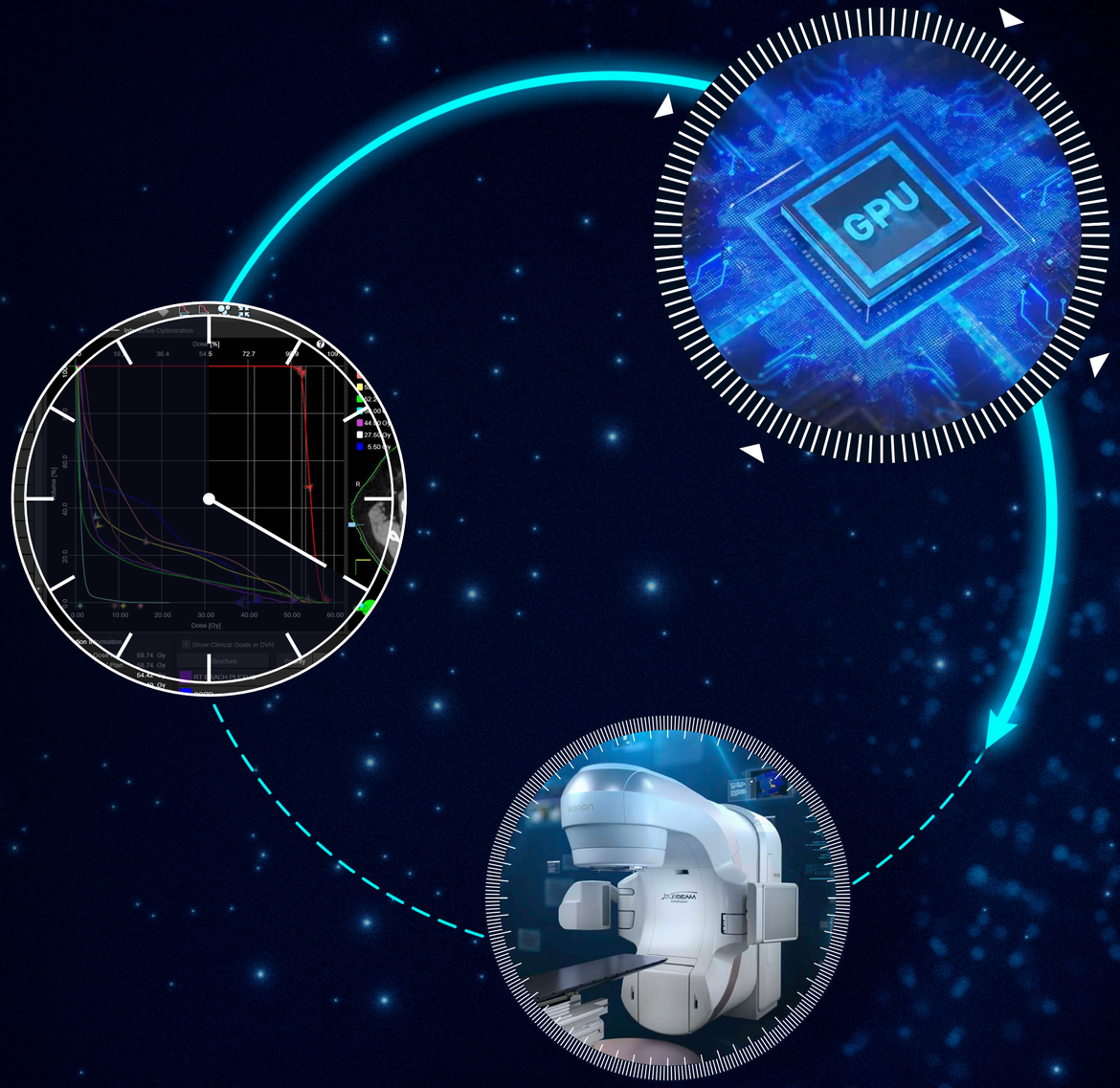
Single-field delivery

New GPU-powered algorithms

Integrated & automated tools

RapidArc Dynamic is designed to help clinicians **plan and deliver treatments in less than half the time** for simple or complex cases, by offering:

- Arc, modulated ports, and a dynamic collimator—within a single treatment field
- Faster treatment plan generation with new GPU-powered algorithms
- Tools such as auto-skin flash that automate and simplify a multi-step process
- Integration of current automation capabilities within the Eclipse treatment planning system, including scripting, MCO, RapidPlan, templates, clinical goals, and more



Seamless flexibility. Continuous control.

Dynamic collimator

Modulated ports

Arc tools

RapidArc Dynamic offers clinicians **a monumental leap forward in planning and delivery flexibility**, by providing:

- Directional control of IMRT and efficiency of VMAT delivery in a single treatment field
- Ability to strategically pause the gantry during an arc rotation for enhanced modulation at optimal beam angles
- Real-time collimator adjustments during treatment to ensure optimal dose delivery
- Easy adjustment of the weighting between arc or modulated ports for increased control

An intelligent new direction in personalized arc therapy.

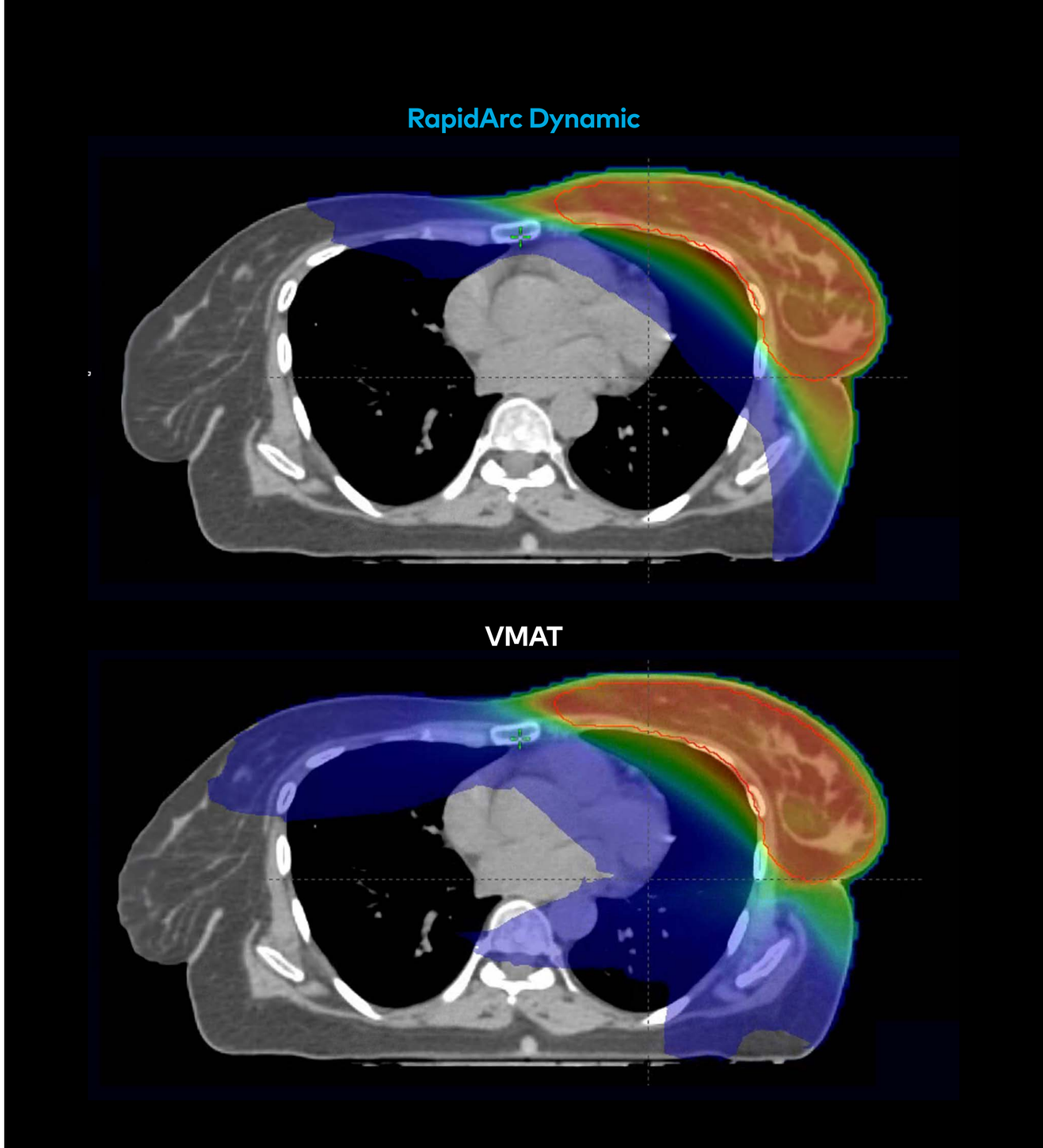
Increase dose conformity & target coverage

Better dose control

Account for patient variability

RapidArc Dynamic enables an optimized treatment plan that is **tailored to the specific needs of each patient** by:

- Increasing control of dose conformity and target coverage
- Customizing dose distribution to align with favorable anatomy through modulated ports
- Automatically accounting for patient variability and enhancing plan robustness when optimizing with new tools like auto-skin flash



RapidArc Dynamic

Revolutionary from every angle.

RapidArc Dynamic is innovative from every direction—helping to empower clinicians with the confidence to deliver efficient, seamlessly flexible, and highly personalized patient care.

Dynamic collimator

Continuous control during treatment delivery designed to improve dose comformity.

New GPU-powered algorithms

Deterministic algorithms aim to give clinicians more reproducible results.

The power of modulated ports

Pausing the gantry during an arc rotation to increase control points at optimal angles.

Arc vs. modulated port weighting

Easily adjust weighting to manage contributions of dose within the treatment field.

Automated skin flash

Customize and automatically define skin flash to enhance plan robustness.

Dedicated workspaces

Optimization of RapidArc Dynamic treatment plans in a single solution.

Automation advantage

Automation tools within Eclipse and ESAPI (e.g., clinical goals, templates, MCO, RapidPlan).

Powering innovative therapies that unlock new possibilities

At Varian, a Siemens Healthineers company, we are driving transformative innovations in radiotherapy to realize our vision of a world without fear of cancer.

RapidArc Dynamic is built to bring your patients greater access to the advanced care they need and deserve, enabling faster treatment times and the promise of a better quality of life post treatment.

RapidArc Dynamic is transforming arc therapy from every angle, every direction, and for every patient—bringing personalized care for patients in your clinic.

Available on TrueBeam 4.1 and Eclipse 18.1 systems.

Not available for sale in all markets.

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. www.varian.com/safety

varian
A Siemens Healthineers Company

varian.com

USA, Corporate Headquarters and Manufacturer

Varian Medical Systems

Palo Alto, CA

Tel: 650.424.5700
800.544.4636

Authorized Representative in the EU

Varian Medical Systems

Nederland B.V.
Kokermolen 2
3994 DH Houten,
The Netherlands

customer.relations@varian.com

Headquarters Europe, Eastern Europe, Middle & Near East, India, Africa

Varian Medical Systems International AG

Steinhausen, Switzerland

Tel: 41.41.749.8844

Asia Pacific Headquarters

Varian Medical Systems Pacific, Inc.

Kowloon, Hong Kong

Tel: 852.2724.2836

Australasian Headquarters

Varian Medical Systems Australasia Pty Ltd.

Sydney, Australia

Tel: 61.2.9485.0100

Latin American Headquarters

Varian Medical Systems Brasil Ltda.

São Paulo, Brasil

Tel: 55.11.3457.2655

Varian Medical Systems as a medical device manufacturer cannot and does not recommend specific treatment approaches. Specifications are subject to change without notice. Not all features or products are available in all markets and are subject to change. Consult your Varian representative for country-specific product availability.

RAD11416A
QR700018212

© 2024 Varian Medical Systems, Inc. All trademarks are the property of their respective owners.

02/2025