

The logo features a green circular icon with a white stylized figure inside, followed by the text "MRIDIAN" in a large, bold, black sans-serif font. To the right of "MRIDIAN" is the word "Linac" in a smaller, black sans-serif font, with "BY VIEWRAY" in an even smaller font underneath it.

MRIDIAN Linac
BY VIEWRAY

VISIBLY BETTER



DISCOVER MRIDIAN[®]

Leveraging high-contrast, high-resolution MR soft tissue imaging, MRIdian allows oncologists to visualize, adapt, and target using anatomical detail that is simply unavailable with conventional IGRT technologies.

YOU CAN'T BEAT THE DISEASES YOU CAN'T SEE.

Over the past decade, significant technological advances in radiotherapy have come into clinical practice. However, limitations such as poor soft tissue contrast and having no real-time imaging during beam-on have constrained potentially safer and more effective radiation doses.

Combining the latest innovations in precision radiation delivery with ground-breaking MR image guidance and on-table adaptive therapy, it's time for the next big advance in radiation oncology— **MRIdian**.[®]

The future of radiation therapy is **clear**.





MRI-GUIDED ROAR™

First pioneered by ViewRay in 2012, MRI-Guided ROAR™ (Real-Time, On-Table, Adaptive Radiotherapy) is now emerging as a new standard of care in the treatment of cancer.

MRI-Guided ROAR represents a new paradigm in cancer treatment, providing clinicians with the ability to improve targeting precision and accuracy to thus deliver higher, and potentially more effective, radiation doses.

SEE

Purpose built for radiation oncology, MRIdian's SmartVISION® was developed specifically to not interfere with high-fidelity beam delivery.

MRIdian's SmartVISION was designed specifically to provide high-definition, diagnostic-quality MR imaging, while virtually eliminating the risks of skin toxicities, trapped or distorted dose, and other concerns which may occur when high magnetic fields interact with radiation beams.

Built upon a patented split-magnet MR design, MRIdian offers a unique unobstructed radiation beam path and optimal source-axis-distance (SAD) to unlock sophisticated beam dosimetry, exceptionally sharp SRS and SBRT-tailored penumbra, and high dose rate beam delivery.

SHAPE

With MRIdian's SmartADAPT™ software platform, clinical solutions are now immediately available where they are needed: on-table!

Clinicians generate daily MR setup scans in seconds and leverage high-contrast anatomical detail to rapidly reshape dose delivery to accommodate the subtle anatomical changes that occur each day throughout the course of treatment. Taking advantage of groundbreaking advances in computing technology, SmartADAPT calculates new

individualized Monte Carlo plans in seconds based on the exact anatomy at that time - all while the patient is in the treatment position. Clinicians can now generate personalized treatments that are based on the current position of both the tumor and adjacent critical structures.

STRIKE

MRIdian's SmartTARGET™ visualizes the tumor's edges and surrounding organ position in real-time using a non-ionizing, streaming video perspective never seen before in radiation oncology.

Gas bubbles emerge, bladders fill, and respiratory motion constantly occurs. As a result, tumors and surrounding critical structures can rapidly change position and shape during beam delivery.

Utilizing a unique MR video perspective to detect the slightest intra-fraction motion during beam delivery,

MRIdian's SmartTARGET allows oncologists to visualize the tumor's edges and surrounding organ position in real-time. When tumors move or deform, or organs-at-risk abruptly change position, SmartTARGET instantly reacts, automatically turning radiation beams on and off, to provide greater confidence that prescribed doses reach the target while avoiding critical structures.

SIZE

MRIdian's SmartSITE™ footprint and installation are designed to fit within existing workspaces.

Able to fit within almost any existing standard linear accelerator vault, MRIdian's compact SmartSITE footprint addresses common physical space limitations and avoids the excessive delays, interruptions and costs necessary to remove

walls or build custom, large-scale vaults. With the ability to fit through conventional vault doorways, there's no need to remove walls or ceilings making MRIdian an easy solution for replacing older systems.

SMARTVISION

MRIDIAN MRI VS. CONE-BEAM CT-BASED IMAGING ON A CONVENTIONAL RADIOTHERAPY SYSTEM



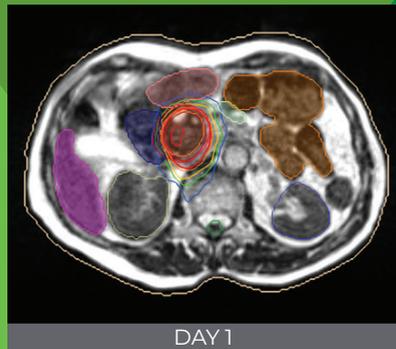
MRIDIAN MRI



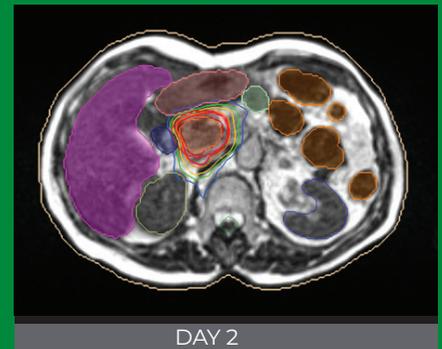
CONE BEAM CT

SMARTADAPT

DAILY ANATOMICAL SHAPE AND POSITIONING CHANGES CAPTURED WITH MRIDIAN



DAY 1



DAY 2

SMARTTARGET

REAL-TIME IMAGE GUIDANCE WITH AUTOMATED BEAM CONTROL DURING DOSE DELIVERY



BEAM ON WHEN TUMOR IN POSITION



AUTOMATIC BEAM OFF WHEN TUMOR MOVES

SMARTSITE

COMPACT DESIGN FITS INTO MOST STANDARD LINEAR ACCELERATOR VAULTS



Intended Use: The MRIdian Linac System, with magnetic resonance imaging capabilities, is 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: The MRIdian Linac System is not appropriate for all patients, including those that are not candidates for magnetic resonance imaging. 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, side effects can be severe. Treatment sessions may vary in complexity and duration. Radiation treatment is not appropriate for all cancers.

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by VIEWRAY

WE'RE MAKING THE INVISIBLE, VISIBLE

In routine clinical use throughout the world, MRIdian MRI-Guided ROAR — Real-time, On-table, Adaptive Radiotherapy — is revolutionizing radiation oncology and emerging as a new paradigm in the treatment of cancer.

Learn more: viewray.com



ViewRay West Coast Office
815 E. Middlefield Rd.
Mountain View, CA 94043

ViewRay Headquarters
2 Thermo Fisher Way
Oakwood Village, Ohio 44146

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