



ACCURAY



# The Radixact<sup>®</sup> System, The Next-generation TomoTherapy<sup>®</sup> Platform

Positioning Your Practice  
for the Age of Patient Choice



## Consumerization of Healthcare Reshapes Expectations

The consumerization of healthcare is now a firmly established phenomenon across all fields, including radiation oncology. Today's patient-as-consumer has had their expectations "Amazon Primed." More than 75% of healthcare consumers believe that they should receive the same level of service and value in healthcare as they receive from other businesses<sup>1</sup>.

## Patients Seek Out Radiation Therapy (RT) Centers

Key findings from 2017 study of prostate cancer patients seeking RT treatment<sup>2</sup>.



**1 in 5** patients sought out higher-value RT care



### More Innovative

Patients sought out RT centers with innovative technologies.



### More Convenient

Patients sought out RT centers offering shorter, more convenient fractionation schedules.

## The Radixact® System: A Toolset for Embracing Patient Choice

The Radixact® Treatment Delivery System gives radiation oncology practices stand-out treatment capabilities that uniquely suit the realities of a consumerized healthcare environment. The Radixact System combines helical delivery with the world's first and only automatic, artificial-intelligence-driven, real-time delivery adaptation technology.



### VERSATILE

#### Precisely Treat Virtually Any Indication and Complexity

An extensive array of imaging options, delivery modalities, and fractionation capabilities to precisely treat the widest range of clinical indications



### INTELLIGENT

#### Automated Patient Monitoring, Dose Trending, and Real-Time Delivery Adaptation

Personalized treatments enabled by continuous automated monitoring of patient changes and the ability to seamlessly adapt throughout treatment



### EFFICIENT

#### Fast Planning, Imaging, and Delivery For All Case Types, From Simple to Complex

Precise, operationally efficient, and easy-to-use workflows that can drive patient throughput to provide outstanding clinical and financial results

1. <https://www.adobe.com/content/dam/acom/en/industries/healthcare/pdfs/adobe-econsultancy-2019-report-the-consumerization-of-healthcare.pdf>

2. Meier, R. M., Bloch, D. A., Cotrutz, C., Beckman, A. C., Henning, G. T., Woodhouse, S. A., ... Kaplan, I. D. (2018). Multicenter Trial of Stereotactic Body Radiation Therapy for Low- and Intermediate-Risk Prostate Cancer: Survival and Toxicity Endpoints. *International Journal of Radiation Oncology\*Biophysics*, 102(2), 296-303. doi:10.1016/j.ijrobp.2018.05.040



## The Radixact® System Unlocks Patient Outcomes that Matter Most

The unique treatment capabilities of the Radixact System enable your practice to provide treatments that deliver the critical outcomes that today's patients-as-consumers are seeking:



### Proven Cancer Control

More than anything, patients want to beat their cancer — and today's highly informed patients-as-consumers want to see the clinical proof. The Radixact® System with TomoTherapy® technology is supported by two decades of published clinical follow-up, providing real-world evidence that the Radixact® System can deliver excellent cancer control with reduced risk of side effects for cancer types throughout the body.



### More Personalized Treatment

Savvy patients know that there is no one-size-fits-all cancer treatment — even for a given indication. They want treatment options that are tailored to the unique characteristics of their cancer, their health and their lifestyle. The extraordinary dose-sculpting capabilities of Radixact's helical treatment delivery, combined with the world's only real-time delivery adaptation technology, and automated daily dose trending, enables clinicians to create and deliver plans that are extremely personalized to the unique anatomy, tumor characteristics and movement of each patient.



### Improved Quality of Life

Informed patients know every treatment option has its risks, but they're looking for treatments that reduce the incidence of side effects and other impacts to their quality of life, both during and after treatment. Radixact helical delivery and AI-driven, real-time treatment adaptation maximize the dose delivered to the tumor while helping minimize dose to healthy tissue. Treatment with the Radixact System significantly reduces the risk of the most common side effects, providing patients with better quality-of-life outcomes.



### Less Disruptive Treatment

Patients increasingly seek out radiation therapy as a less-invasive, less-disruptive alternative to surgery. The Radixact System sets new standards for patient convenience, enabling ultra hypofractionated treatment schedules that reduce treatment sessions by as much as 80% compared to conventional fractionation. Continuous synchronization with patient and target movement enables patients to breathe freely, without restraints, throughout treatment delivery.



## Show Your Patients Why Precision Matters

Clinicians understand that more-precise treatment options like those enabled by the Radixact® System deliver a range of complex benefits. But here is a simple graphical way to show your patients why precision matters:



## Breaking the Taboo: Having the Cost Conversation

While providers have traditionally shied away from discussing cost of care with patients, today 80% of patients expect their doctors to clearly communicate the patient's financial responsibility for a given treatment option<sup>3</sup>. The Radixact System enables clinicians to confidently have cost conversations with patients, highlighting how the features of various treatment options can impact out-of-pocket costs:

### Inpatient vs. Outpatient

Non-invasive, outpatient treatment with the Radixact System offers relatively lower patient costs compared to those of inpatient treatment, recovery and follow-up care for more interventional treatments.

### Treatment Process

Compared to conventional radiation therapy, treatment with the Radixact System can enable shorter, hypofractionated treatment schedules that significantly reduce the number of clinic visits (each typically requiring a patient co-pay). This less-disruptive treatment schedule also reduces the potential for financial impacts related to patient employment, child care, etc.

### Side Effects

Treatment for side effects often has its own cost — an unpleasant reality that adds insult to injury for frustrated patients. While every treatment has risks, IG-IMRT with the Radixact System is proven to help reduce the side effects while treating a wide range of indications.



## Confident Precision — Without Tradeoffs

The automatic, AI-driven, real-time motion synchronization and treatment delivery adaptation of the Radixact® System with Synchrony®\* technology introduces a new paradigm: no-tradeoff radiation therapy. This advanced technology may be new to patients, but the implications for their quality of care are very relevant.

### Natural Patient Behavior

Greater Patient Comfort  
Improving the  
Patient Experience

### Efficient Continuous Delivery

More Efficient Treatments  
to More Patients at  
a Lower Cost



### Minimal Margins

Potential for Better Clinical  
Outcomes with Fewer Side Effects  
Freedom to Hypofractionate  
Treatment Delivery



Accuray is committed to expanding the powerful potential of radiation therapy to improve as many lives as possible. We invent unique, market-changing solutions that are designed to deliver radiation treatments for even the most complex cases — while making commonly treatable cases even easier — to meet the full spectrum of patient needs. We are dedicated to continuous innovation in radiation therapy for oncology, neuro-radiosurgery, and beyond, as we partner with clinicians and administrators, empowering them to help patients get back to their lives, faster. Accuray is headquartered in Sunnyvale, California, with facilities worldwide.

To learn more, visit: [www.accuray.com](http://www.accuray.com) or follow us on



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**Important Safety Information:** Most side effects of radiotherapy, including radiotherapy delivered with Accuray systems, are mild and temporary, often involving fatigue, nausea, and skin irritation. Side effects can be severe, however, leading to pain, alterations in normal body functions (for example, urinary or salivary function), deterioration of quality of life, permanent injury and even death. Side effects can occur during or shortly after radiation treatment or in the months and years following radiation. The nature and severity of side effects depend on many factors, including the size and location of the treated tumor, the treatment technique (for example, the radiation dose), the patient's general medical condition, to name a few. For more details about the side effects of your radiation therapy, and if treatment with an Accuray product is right for you, ask your doctor.

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