Amsterdam University Medical Centers establishes same-day ablative treatment service using MRIdian® to Streamline the Patient Experience.

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Innovative program offering patients consult-to-complete treatment in a single visit.

CLEVELAND, Aug. 24, 2021 /PRNewswire/ -- ViewRay, Inc. (NASDAQ: VRAY) today announced that the clinical team at Amsterdam University Medical Centers (Amsterdam UMC) has started offering "same-day ablative treatment" using MRIdian SMART (stereotactic MR-guided adaptive radiotherapy) for patients who are eligible for single fraction MRI-guided radiation therapy. Three patients under treatment for lung tumors were the first to benefit from this program. Typically, patients undergoing radiation therapy are required to make several visits to the hospital from consultation, through planning scan to multiple treatments. This program significantly reduces the burden of multiple trips to the hospital, by combining the initial clinical consultation, simulation, treatment planning and delivery, all within a single visit.

At Amsterdam UMC, nearly 50 patients have been treated with a single ablative fraction on the MRIdian. By optimizing departmental logistics, the Amsterdam UMC team consolidates the patient treatment planning activities, including a single fraction treatment into a single visit. In addition to lung, Amsterdam UMC is extending this same-day ablative treatment service to adrenal, renal and other tumor sites.

"The MRIdian system's integrated software and on-table adaptive workflow facilitates stereotactic delivery (single fraction) in patients with thoracic or abdominal tumors. This is particularly beneficial for patients who live some distance from the hospital where multiple visits would be burdensome," said Dr. Frank Lagerwaard, M.D., Ph.D., clinical lead of the MRIdian program at the Radiation Oncology Departments Amsterdam UMC.

"Our workflow involves a detailed MR simulation on the MRIdian system as the first step in determining the delivery strategy. This is followed by a streamlined process and workflow within the integrated MRIdian software that allows a treatment plan to be generated within two hours. Thereafter, high precision delivery is possible using patient–controlled video-assisted breath-holds. All patients have tolerated the one-stop ablative service well," said Dr. Miguel Palacios, lead physicist of the MRIdian program.

Amsterdam UMC commenced treating patients with MRIdian in May 2016 and has now treated more than 1,200 patients using stereotactic ablative radiotherapy (SABR) for prostate, pancreatic, lung, liver, and kidney cancers. Approximately 165 of these patients were treated for lung cancer. The MRIdian system's ability for daily plan adaptation and real-time soft-tissue tracking and automated beam gating capabilities are essential features.

The MRIdian system provides oncologists outstanding anatomical visualization through diagnostic-quality MR images and the ability to adapt a radiation therapy plan to the targeted cancer with the patient on the table. This combination allows physicians to define tight treatment margins to avoid unnecessary radiation exposure of vulnerable nearby organs-at-risk and allows the delivery of ablative radiation doses in five or fewer treatment sessions, without relying on implanted markers. By providing real-time continuous tracking of the target and surrounding healthy tissues, MRIdian enables automatic gating of the radiation beam if the target moves outside the user-defined margins. This allows for delivery of the prescribed dose to the target, while sparing surrounding healthy tissue and critical structures, which results in minimizing toxicities typically associated with conventional radiation therapy.

More than 14,300 patients have been treated with MRIdian. Currently, 45 MRIdian systems are installed at hospitals around the world where they are used to treat a wide variety of solid tumors and are the focus of numerous ongoing research efforts. MRIdian has been the subject of hundreds of peer-reviewed publications, scientific meeting abstracts, and presentations. For a list of treatment centers, please visit: https://viewray.com/find-mridian-mri-guided-radiation-therapy/

Disclaimer:
The opinions and clinical experiences discussed herein are specific to the featured physicians and are for information purposes only. Nothing in this material is intended to provide specific medical advice or to take the place of written law or regulations. Results of treatment presented in this press release are not indicative of typical or future results.

Safety Statement:
The MRIdian Linac System is not appropriate for all patients, including those who 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. You should discuss the potential for side effects and their severity as well as the benefits of radiation and magnetic resonance imaging with your doctor to make sure radiation treatment is right for you.

About ViewRay
ViewRay, Inc. (Nasdaq: VRAY), designs, manufactures, and markets the MRIdian® MRI-Guided Radiation Therapy System. MRIdian is built upon a proprietary high-definition MR imaging system designed from the ground up to address the unique challenges and clinical workflow for advanced radiation oncology. Unlike MR systems used in diagnostic radiology, MRIdian's high-definition MR was purpose-built to address specific challenges, including beam distortion, skin toxicity, and other concerns that potentially may arise when high magnetic fields interact with radiation beams. ViewRay and MRIdian are registered trademarks of ViewRay, Inc.

Forward-Looking Statements
This press release contains forward-looking statements within the meaning of Section 27A of the Private Securities Litigation Reform Act. Statements

in this press release that are not purely historical are forward-looking statements. Such forward-looking statements include, among other things, anticipated future orders, ViewRay's financial guidance for the full year 2021, anticipated future operating and financial performance, treatment results, therapy adoption, innovation and the performance of the MRIdian systems. Actual results could differ from those projected in any forward-looking statements due to numerous factors. Such factors include, among others, the ability to commercialize MRIdian Linac System, demand for ViewRay's products, the ability to convert backlog into revenue, the timing of delivery of ViewRay's products, the timing, length, and severity of the recent COVID-19 (coronavirus) pandemic, including its impacts across our businesses on demand, operations and our global supply chains, the results and other uncertainties associated with clinical trials, the ability to raise the additional funding needed to continue to pursue ViewRay's business and product development plans, the inherent uncertainties associated with developing new products or technologies, competition in the industry in which ViewRay operates, and overall market conditions. For a further description of the risks and uncertainties that could cause actual results to differ from those expressed in these forward-looking statements, as well as risks relating to ViewRay's business in general, see ViewRay's current and future reports filed with the Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended December 31, 2020 and its Quarterly Reports on Form 10-Q, as updated periodically with the Company's other filings with the SEC. These forward-looking statements are made as of the date of this press release, and ViewRay assumes no obligation to update the forward-looking statements, or to update the reasons why actual results could differ from those projected in the forward-looking statements, except as required by law.

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