

Veterinary Stereotactic Radiosurgery System Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

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Abstracts

The Global Veterinary Stereotactic Radiosurgery System Market was valued at USD 412.3 million in 2023 and is projected to grow at a CAGR of 9.3% from 2024 to 2032. Drivers include the increasing focus on advancing cancer care and research for animals. Innovations in diagnostic and treatment technologies, such as AI-driven systems and advanced radiation therapies, enhance the precision and effectiveness of veterinary oncology. This propels the demand for advanced systems. Pet owners and veterinary practices seek innovative solutions for cancer management, fueling the demand for specialized equipment and services.

The market is segmented into linear accelerators (Linac), CyberKnife, and gamma knife. In 2023, the Linac segment generated revenue of USD 199.3 million. Linac systems excel in delivering targeted radiation therapy for various tumors, including brain and spinal tumors. Advanced imaging and treatment capabilities make Linac systems ideal for a wide range of veterinary oncology applications.

Their widespread adoption in veterinary hospitals and specialty clinics, driven by proven effectiveness and ongoing technological advancements, solidifies the Linac segment's top position in the market. Based on application, the veterinary stereotactic radiosurgery system market is categorized into brain tumors, spinal tumors, and other applications. In 2023, the brain tumors segment commanded a dominant market share of 59%, a trend anticipated to persist throughout the analysis period. Utilizing the stereotactic radiosurgery system for these tumors ensures a precise, non-invasive treatment approach, significantly reducing harm to adjacent healthy tissues.

The high incidence of brain tumors in veterinary practices underscores the demand for advanced stereotactic radiosurgery technologies, tailored specifically for managing these tumors. In 2023, the U.S. led the North American veterinary stereotactic radiosurgery system market with a valuation of USD 152 million. The U.S. dominance

stems from its state-of-the-art veterinary healthcare infrastructure and a swift embrace of innovative technologies. Numerous specialized veterinary hospitals and research institutions in the U.S. leverage stereotactic radiosurgery systems to address intricate cancer cases in pets.

The presence of major technology providers and ongoing innovations in veterinary oncology bolster the U.S. market leadership. High rates of pet ownership and a readiness to invest in advanced treatments further fuel this demand.

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