VARIAN
medical systems

VELOCITY SOFTWARE
TRANSFORMING UNCONNECTED DATA INTO CLINICAL KNOWLEDGE

The Velocity™ platform was developed by oncologists for oncologists to help them make more confident clinical decisions. Velocity unifies patient imaging and treatment information acquired from different systems, at different times, and in different positions, to provide a comprehensive view of the patient's clinical history. Providing this complete picture can optimize clinical efficiency across your entire department and improve every step of the clinical care workflow.

ASSESS

Care teams can assess imaging studies from multiple time points to assess response to therapy.

→ Combine pre-treatment, treatment and post-treatment to understand treatment response

→ Create voxel response maps to compare biologic imaging from multiple time points

→ Use functional imaging to assess a patient's response to therapy

DEFORM

Velocity's Image registration platform allows clinicians to accurately integrate all images and treatment plans information.

→ Track voxel changes using deformable registration

→ Register multi-modality images accurately

→ Robust deformable QA tools to deform with confidence

→ Use anatomical structures for a hybrid deformable to guide tough cases

CONTOUR

Velocity provides a powerful, vendor-neutral, contouring platform.

→ A database of expert-defined atlas cases and the ability to create your own atlas cases

→ One-click PET contouring

→ Fast volumetric contouring of selected soft tissue structures with 3D Smartbrush

→ Adaptive re-contouring

→ Automated ITV creation with advanced 4D contouring tools

REVIEW

Velocity's vendor-neutral plan review toolkit simplifies the radiation therapy plan review and evaluation process.

→ See details of any external beam treatment plan, including dynamic MLC movement

→ Achieve quality thresholds with automated plan scoring and collaborative review

→ Automated comparison of different plans with robust reporting tools

→ Share plans and reports with referring physicians

SHARE

Referring physicians gain fast digital access to data via cloud service for delivering images and treatment data.

→ Collaborate on treatment planning with referring physicians such as surgeons

→ Retrieve images and treatment information generated by outside institutions

→ Review and contour patient imaging, anytime, anywhere

STORE

Velocity's vendor-neutral platform integrates image, structure, plan and dose data to create a unified patient dataset.

→ Provide an interactive, online patient library

→ Obtain images from hospital PACS using simple DICOM query-retrieval interface

→ Integrate this data with your oncology information system

→ Easily manage and store data from CDs

→ Store legacy treatment planning information in a centralized repository for easy access

Devices presented in this product brief may not be available in all markets.

Intended Use Summary

Velocity is a stand-alone software product that provides the physician a means for comparison of medical imaging data from multiple DICOM conformant imaging modality sources. It allows the display, annotating, volume rendering, registration and fusing of medical images as an aid during use by diagnostic radiology, oncology, radiation therapy planning and other medical specialties. Velocity is not intended for mammography diagnosis.

Safety

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.