



RADIATION ONCOLOGY

Innovations for Plan Quality Improvement





Simplify Complex Treatments

MIM Software provides indispensable software that standardizes the Radiation Oncology clinical workflow and helps manage and fully leverage the increasing volume and variety of medical imaging required for improved treatment planning. MIM Software provides automation of routine and complex processes to increase clinical efficiency, from pre-planning through adaptive therapy.



RO DEPARTMENT WORKFLOW

Plan Preparation

MIM Maestro®

- Improved Image Registration
- Confident Treatment Evaluation
- Simplified Tumor Motion Management
- Precise Target Volume Contouring

Contour ProtégéAI®

- OAR Auto-Contouring

Treatment Planning

MIM Symphony® LDR

- LDR Brachytherapy Treatment Planning

Plan QA

MIM SureCalc® MonteCarlo

- Plan Second Check

Treatment Delivery

Adaptive Therapy

MIM SureCalc® MonteCarlo

- Quantitative Adaptive Assessment



PRE-PLANNING

Better Plans Start with MIM Maestro

As treatment complexity increases, the success of your plan depends even more on your ability to efficiently and accurately define your target volume and assess prior treatments while accounting for tumor motion, changes in patient anatomy, and positional differences between imaging.

MIM Maestro is a vendor-neutral solution that leverages best-in-class image registrations and user-friendly layouts to provide a comprehensive understanding of prior therapy history and a patient's current disease. Clinicians frequently tell us that, without MIM, they would not be able to create a high quality, personalized plan to effectively treat their patients.

1300 Customers Worldwide

Trusted for Over 15 Years



MIM MAESTRO USE CASES



Image Registration

Increase confidence in your clinical decisions. Ensure easy access to desired imaging through fast, accurate registrations and preferred displays.



Physician Contouring

Improve the quality of your target volumes through accurate, accessible image registrations, and advanced contouring tools.



4D Motion Management

Take control of increasingly complex plans. Quickly assess tumor motion and increase the accuracy of your internal target volumes.

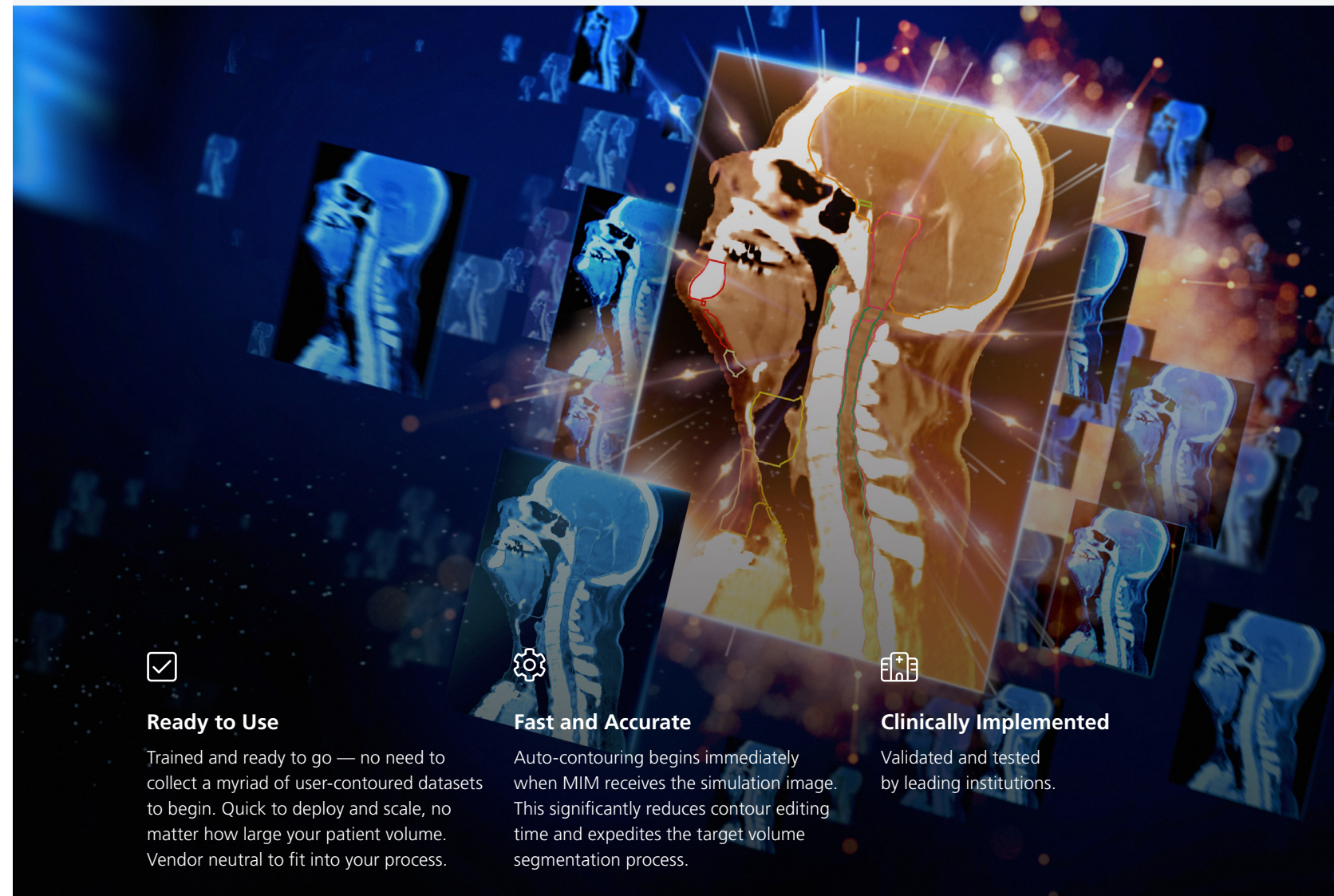


Treatment Evaluation

Effectively utilize prior treatment information when generating new treatment plans. Combine previous plans in an efficient and standardized process.

Next-Generation Deep Learning Segmentation

Contour ProtégéAI is a clinically practical auto-contouring solution that uses deep learning algorithms to generate accurate initial results that require minimal editing.



Ready to Use

Trained and ready to go — no need to collect a myriad of user-contoured datasets to begin. Quick to deploy and scale, no matter how large your patient volume. Vendor neutral to fit into your process.



Fast and Accurate

Auto-contouring begins immediately when MIM receives the simulation image. This significantly reduces contour editing time and expedites the target volume segmentation process.



Clinically Implemented

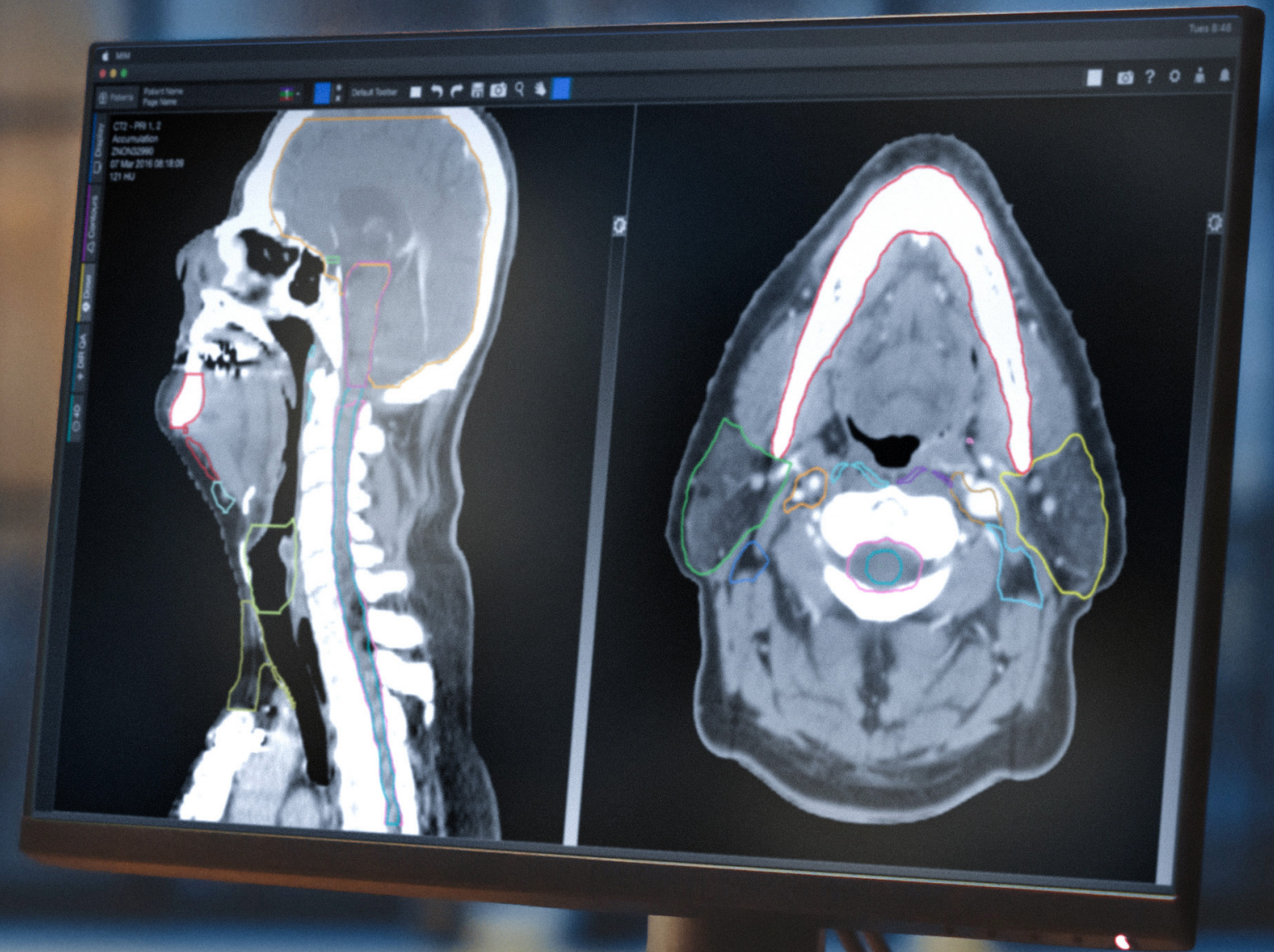
Validated and tested by leading institutions.



“Contour ProtégéAI allows me to spend more time on the treatment planning process. Taking the contouring time out of that process allows me to spend more time generating a higher quality plan for our patients.”

Brad Pollard

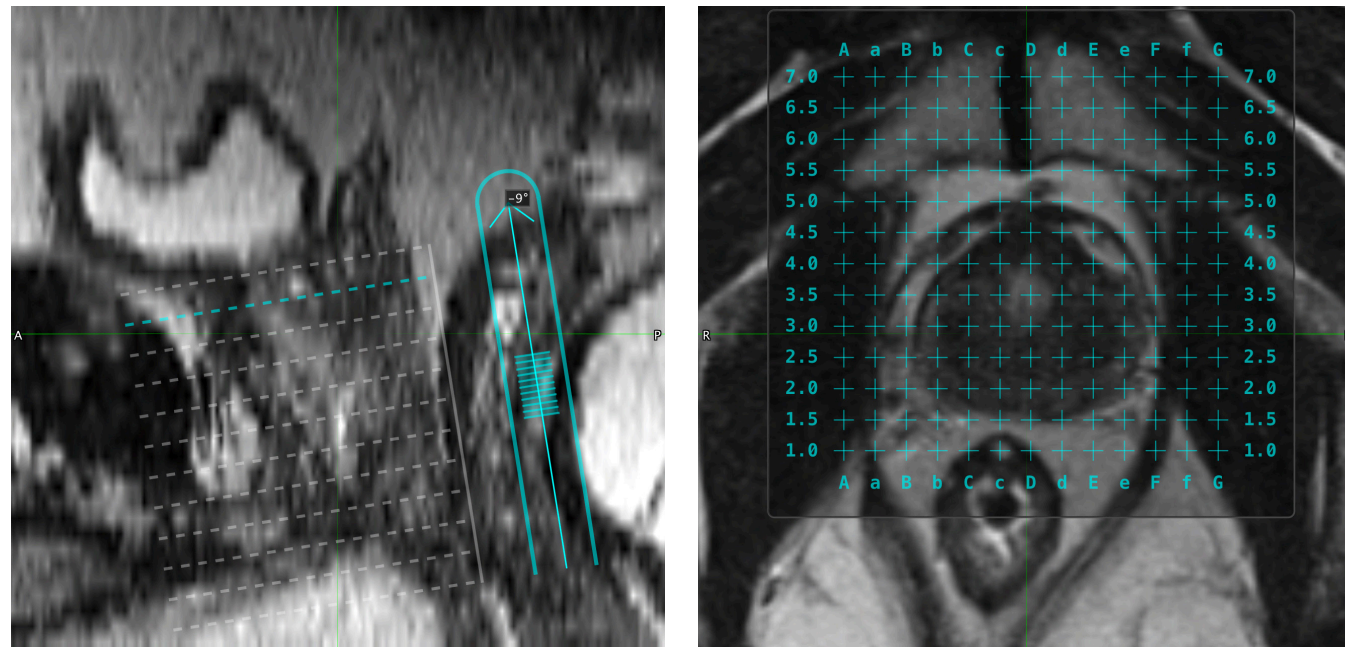
Medical Physicist and Dosimetrist
AUSTIN CENTER FOR RADIATION ONCOLOGY
AUSTIN, TX





TREATMENT PLANNING

Comprehensive LDR Treatment Planning with MIM Symphony LDR



MIM ReSlicer®

Provides seamless MRI to ultrasound registration.



Predictive Fusion®

Guides you to eliminate misalignments and deformation errors during ultrasound acquisition.



Full Platform

Full treatment planning platform for MR or US-based planning with the same platform and tools as MIM Maestro.

OTHER TREATMENT SITES

MIM Symphony is a general purpose Brachytherapy platform. While prostate is an important treatment site, MIM Software supports a variety of other treatment areas. Please contact us to discuss other options.

Prostate HDR Solutions

Experience improved lesion visualization and plan quality with MRI. Using MRI provides the ability to boost dose to the MRI-visible lesion and enables more conformal dosimetry, resulting in improved cancer control with fewer complications.

Registration QA

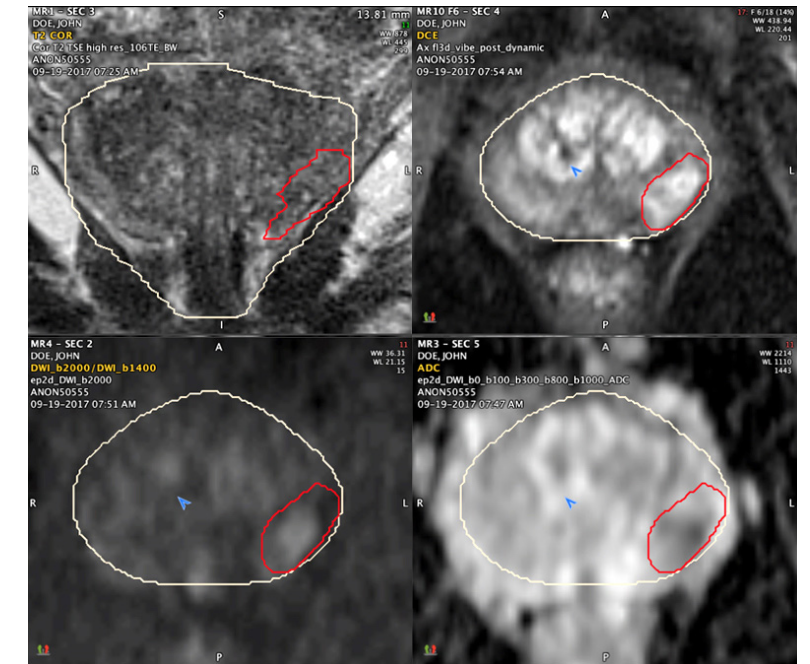
Enables localization and real-time QA of the lesion using registrations.

Predictive Fusion®

Establishes a relationship between MRI-visible lesions and catheter placements.

Standardization

Provides a reproducible process with automated tools for guidance during procedures.





PLAN QA AND ADAPTIVE THERAPY

Verify Plan Quality and Inform Adaptive Assessment

Typically, plan second check must be performed in an isolated application limited to that purpose. **MIM SureCalc MonteCarlo** integrates plan second check into your workflow and expands dose calculation to adaptive assessment.

PLAN SECOND CHECK

Automated Processing

Automates independent second check of RTplans from calculation to reporting.

Beam Model Measurement Data QA

Monte Carlo simulation-based validation of your base data and TPS beam models can help prevent systematic discrepancies in dose calculation. Utilize institution-specific beam models derived from validated base data for superior plan second check accuracy.

Fast, Accurate 3D Monte Carlo

Monte Carlo is the gold standard for accuracy, especially for complex and highly modulated plans. Cases typically calculate in less than 5 minutes.

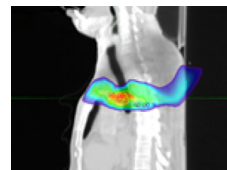
AUTOMATED ADAPTIVE ASSESSMENT

Once enrolled, no user input is necessary. The level of automation available makes true dose-guided adaptive radiation therapy clinically feasible. Reports, processing schemes, and adaptive triggers can be easily customized to fit to department's needs.



CBCT Enhancement

Automatically improves quality of every incoming CBCT. Reduces shading artifact, improves HU values, and expands FOV.



Dose Calculation and Adaptive Recontouring

Calculates dose and adapts planning structures to daily CBCT for true dosimetric assessment based on changing anatomy of the patient.

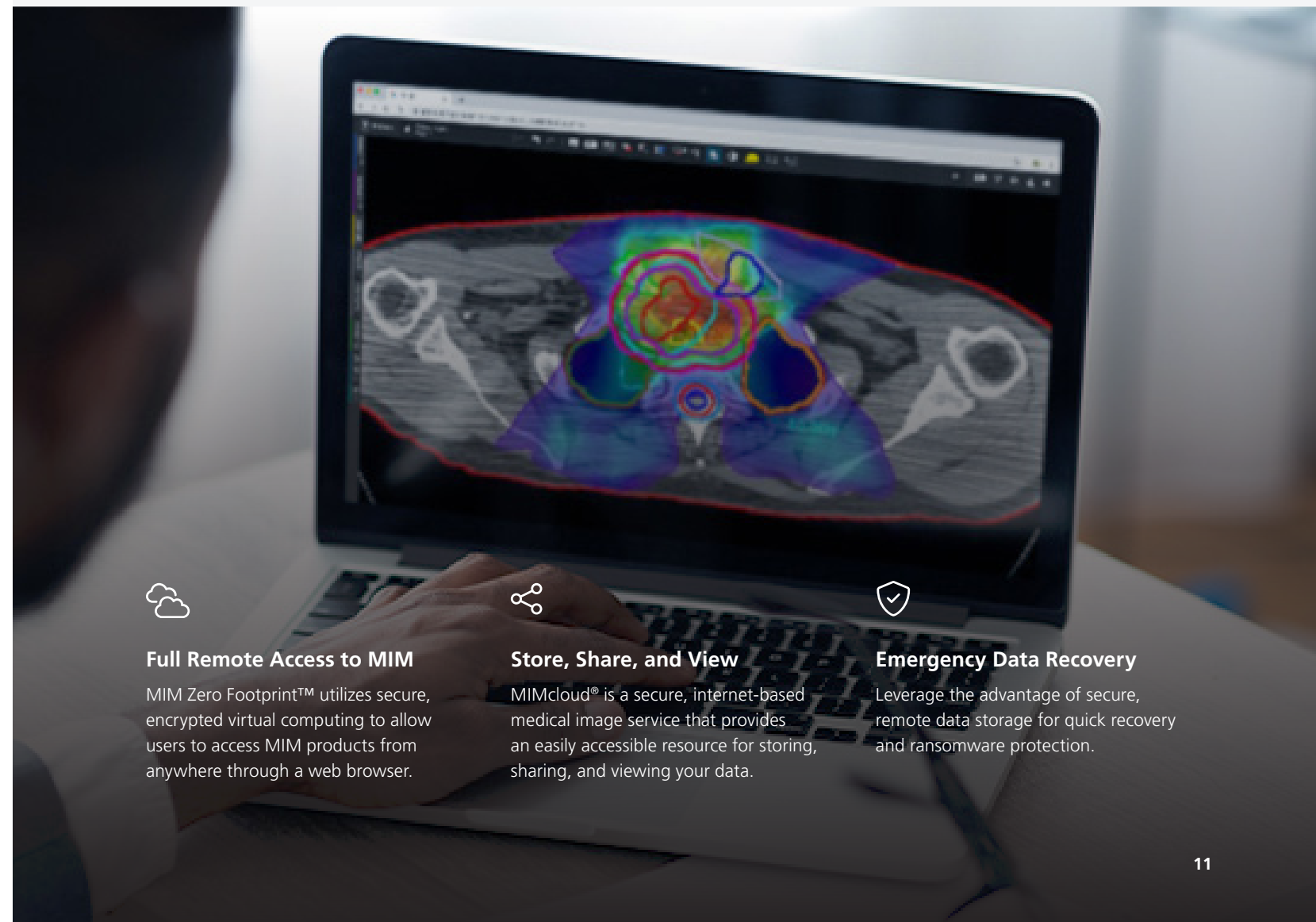


Automated Trending and Flagging Adaptive Triggers

Accumulates daily dose across fractions delivered, and generates projections. Changes in critical structures and tumor volumes are trended during course of treatment. Failure to meet dose constraints is flagged automatically for further review.

Don't Compromise on Your Remote Contouring Connection

A fast, reliable, and effective contouring experience has always been a challenge for clinicians who need or want to work remotely. Hospital solutions, such as VPN and local hosting, introduce additional complications ranging from a lack of security to less-than-stellar performance. Now that working remotely is likely here to stay, what does your process look like?



Full Remote Access to MIM

MIM Zero Footprint™ utilizes secure, encrypted virtual computing to allow users to access MIM products from anywhere through a web browser.



Store, Share, and View

MIMcloud® is a secure, internet-based medical image service that provides an easily accessible resource for storing, sharing, and viewing your data.



Emergency Data Recovery

Leverage the advantage of secure, remote data storage for quick recovery and ransomware protection.



Global Offices

MIM SOFTWARE INC.

World Headquarters

25800 Science Park Drive,
Suite 180
Cleveland, OH 44122

PHONE: 866-421-2536
(US/Canada toll-free)

PHONE: 216-455-0600

FAX: 216-455-0601

EMAIL: info@mimsoftware.com

MIM SOFTWARE

Beijing Co., Ltd.

Suite 809, Shouxiang
Science Building
No.51 Xueyuan Rd.,
Haidian District
Beijing 100191

北京明维视景医疗软件开发有限公司
地址: 北京市海淀区学院路51号首享科技
大厦809室
邮编100191

PHONE: 86-10-82626960

EMAIL: info@mimsoftware.com

MIM SOFTWARE

Brussels BVBA

Houtparklaan 1 bus 21
3600 Genk
Belgium

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TD-971
08 Jun 2023



Emergo Europe
Westervoortsedijk 60
6827 AT Arnhem
The Netherlands



MedEnvoy Switzerland
Gotthardstrasse 28
6302 Zug
Switzerland

