Automation From Start to Finish
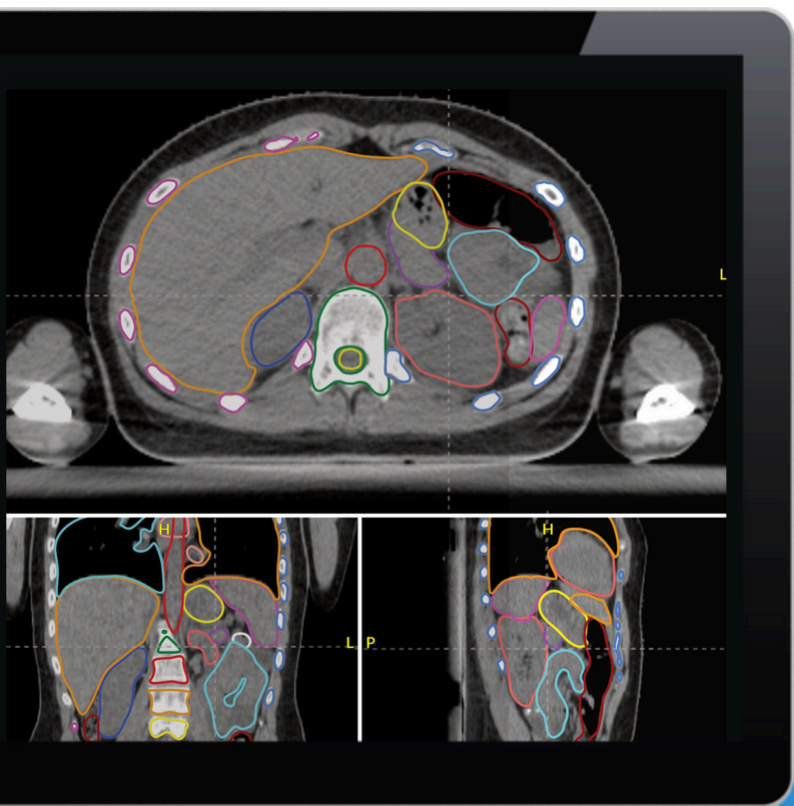

Products not available in all markets

RAD formation

Intelligent Automation in Cancer Care

Who Is Radformation?

Kurt Sysock
CEO

Alan Nelson
CSO

Elisabeth Van Wie
CXO

Karl Otto
CSO

Meet our co-founders, who worked as **clinical medical physicists** and joined forces to create automation tools that truly improve clinical workflows. With their extensive expertise, their mission is to continue developing solutions to make treatments safer and more efficient, empowering cancer clinics to provide the highest-quality care to their patients.

A Clinically Experienced Team

We are dedicated to raising the standard of patient care in radiation oncology. As former clinicians, we have the hands-on experience where it matters and unique insights to solve the challenges of our time. Our clinical background provides a critical context for creating high-impact software tools that are used daily by over 1,900 clinics across the globe.

Automation From Start to Finish

Manual workflows tend to be time-consuming and prone to human error. By leveraging intelligent automation tools, clinics can efficiently reduce error rates, experience quantifiable time savings, and improve accuracy.

Transform your department with increased plan **quality**, **safety**, and **efficiency**.

Contour	Plan	Check	Treat
AutoContour	EZFluence	ClearCheck	ChartCheck
		ClearCalc	RadMachine
		RadMonteCarlo	

Products not available in all markets
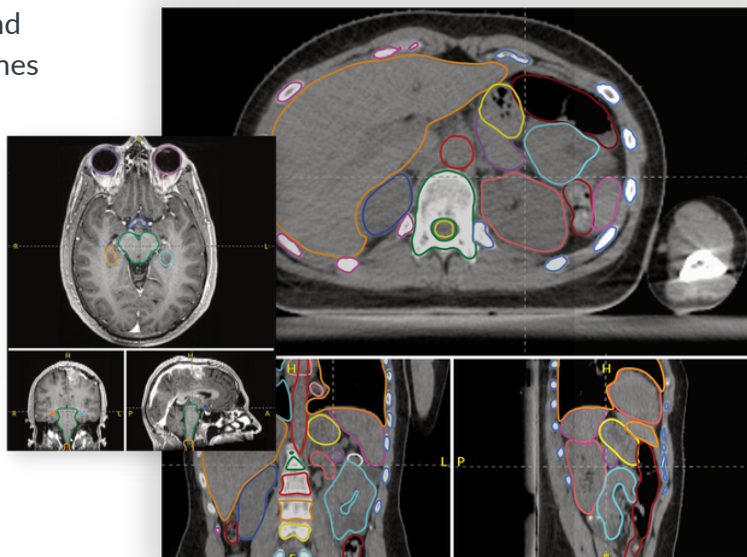
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AutoContour® Automated AI Contouring

AutoContour delivers fast, AI deep-learning CT and MR contours adhering to widely-accepted guidelines for organs at risk, lymph nodes, and more in any clinical workflow. AutoContour also automates planning structure generation based on your specific templates for margins, rings, crops, etc.

- **Vendor neutral**
- **Drastically reduces contouring time**
- **Robust image registration and export**
- **Intuitive review and editing tools**

Products not available in all markets

200 Structure Models!

Chest & Abdomen

Head & Neck

Pelvis

Includes 15+ MR Models!

Some of our structure models include:

Bowel Loops
Brachial Plexus
Breast Lymph Nodes
Cerebellum

Chestwall
Duodenum
Female Pelvic Anatomy
H&N Lymph Nodes

Hypothalamus
LAD Artery
Oral Cavity
Pancreas

Pelvic Lymph Nodes
Pharyngeal Constrictors
Ribs
Vertebrae

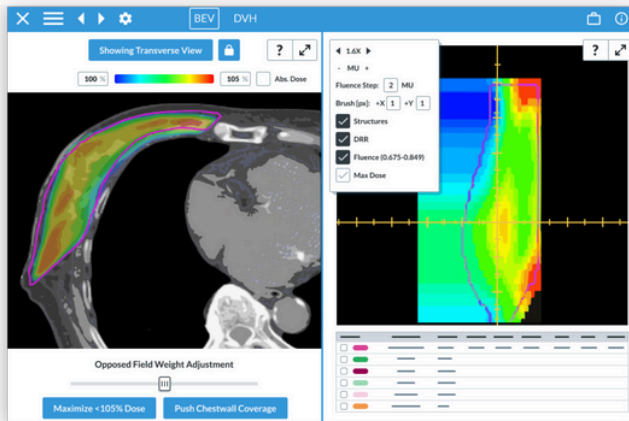**A study by AdventHealth on multiple anatomical cases found**

84%

time savings using AutoContour

Read the case study at resources.radformation.com

"We've trialed numerous auto-segmentation products, but nothing has worked for us quite like AutoContour. Some AI-contouring software companies tout top-notch contours in one region or another, but unless ALL structures are top-notch, it's not a major sell."

- Kelly Houlahan, Medical Physics Assistant at ARC

EZFluence® Automated Forward Planning

- Automates forward planning from head to toe
- Treat any site with any beam arrangement
- Supports mixed energies
- Simplifies 3&4-field breast planning

University of Zurich uses **EZFluence** to reduce their avg. electronic compensator planning time to

25 min

Read the case study at resources.radformation.com

> "EZFluence improved the speed of 3D planning a lot. We no longer need to adjust the fluence manually, which was time-consuming...being able to generate multiple plans quickly and being able to go back to previous versions of your plan has proven especially useful."

- Lotte Wilke, Medical Physicist at University of Zurich

✓ ClearCheck® One-Click Plan Evaluation

DICOM Compatible

ClearCheck automates plan evaluation and documentation for virtually any TPS, ensuring the highest quality treatment plans while saving time.

Automate various plan checks and leverage robust features, including:

Dose Constraints	Prescription Checks
Add Custom Constraints NEW!	Structure Checks
BED/EQD2 Analysis	Plan Comparison
Plan Checks	One-Click Reporting
Collision Checks	Launch AutoContour and ClearCalc

> We are delighted to bring automation into our treatment planning workflow... [ClearCheck] will increase our efficiency while increasing patient care standards.
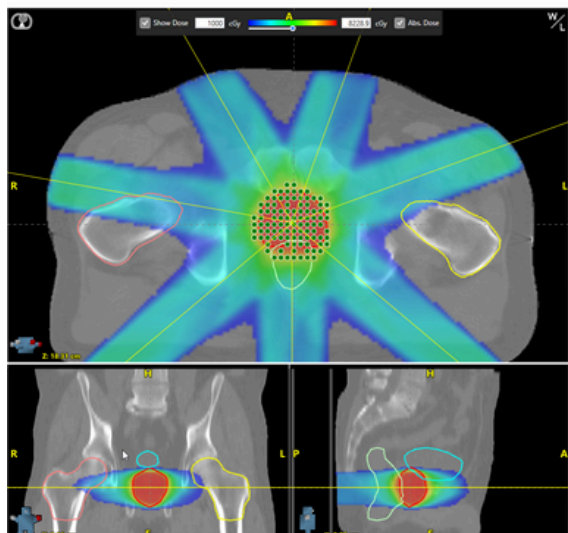
- Carles Muñoz, Director of Technology, IT and Physics at Institut Català d'Oncologia

✓ Peer Review Module*

Rethink your **Team Review** process! Efficiently compile, review, assign status, and document the findings of your Peer Review meetings with this ClearCheck module.

*only available with Eclipse

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ClearCalc® Independent Calculation

- ☑ **Fast & accurate independent secondary calculations**
- ☑ **Vendor-neutral and works with most TPS and machines**
- ☑ **Automatic point selector tool suggests optimal points**
- ☑ **Independent EPID QA module** BETA

Clinics like Northeast Oklahoma Cancer Institute and University of Nebraska Medical Center have conducted studies that found ClearCalc to be accurate, efficient, and user-friendly.

Read the case study at resources.radformation.com

> ❝ **ClearCalc allowed us to streamline all second checks with fast results, without any need to export/import or alter the plan."**
>
> *- Adi Robinson, Senior Medical Physicist at AdventHealth Orlando*

RadMonteCarlo™ integration
Independent Monte Carlo

Unlock the power of RadMonteCarlo, our Monte Carlo algorithm within ClearCalc, for gold-standard plan verification.
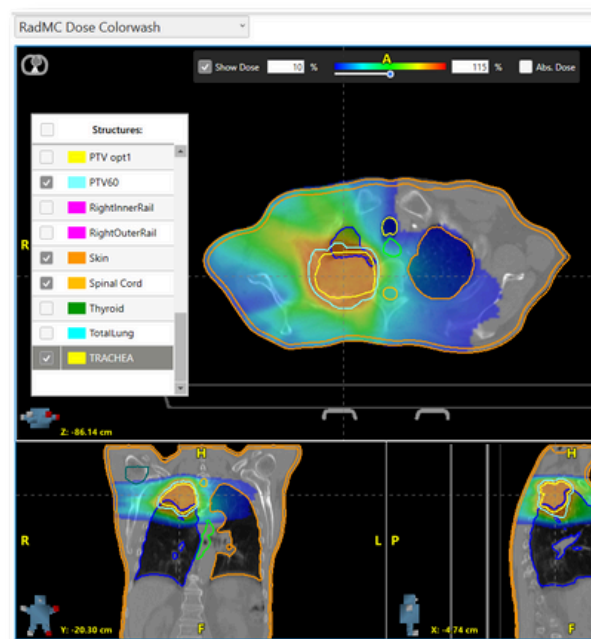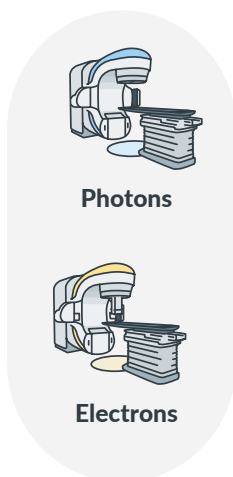
RadMonteCarlo is an optional ClearCalc feature and is not included in a standard ClearCalc Purchase.

- ❀ **3D Gamma Analysis for plans and individual structures**
- ❀ **Log File Analysis for Patient Specific QA** NEW!
- ❀ **Calculates in under 2 minutes***
- ❀ **Fully Recalculated DVH**

*As tested in a controlled setting. Actual speed may vary and is dependent on plan field parameters, user upload/download speeds, and other possible variables.

> ❝ **As a clinical physicist, having a second check software that can perform accurate Monte Carlo dose calculations for any case in under 5 minutes is a game changer for a Radiation Oncology Center."**
>
> *- Kenny Guida, Clinical Assistant Professor University of Kansas Medical Center*

Photons

Electrons

RadMachine® Automated Machine QA/QC

Perform, review, and track multiple streams of QA/QC data all at once with our comprehensive quality assurance platform. RadMachine consolidates and organizes data for any test and frequency in a single location that can be accessed securely from anywhere.

- 100+ pre-built templates
- Automated image analysis and profile analysis
- Track machine faults, maintenance, & more
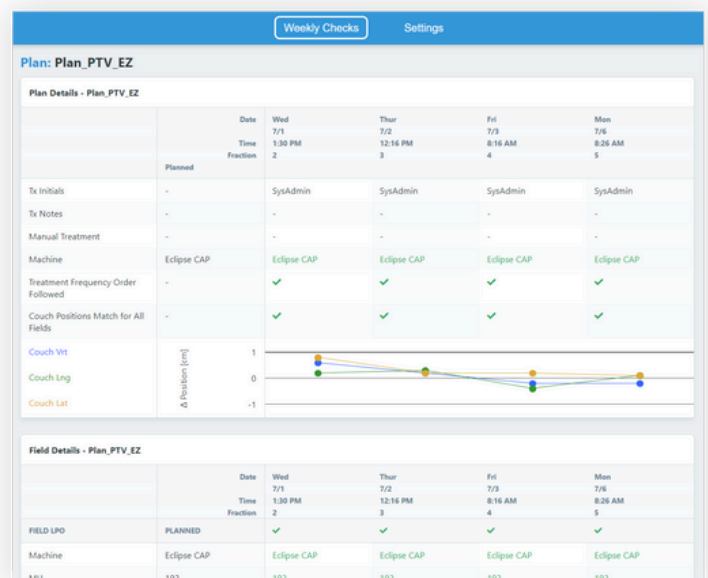- Included functionality for Diagnostic departments

> **RadMachine's flexibility and ease of use have allowed us to eliminate error-prone spreadsheets and have saved many hours of work when it comes to implementing new tests and equipment.**
>
> - Nathaniel Scott, Physicist at GenesisCare UK

ChartCheck™ Automated Treatment Evaluation

Actively monitor patient data in real-time to ensure safety for ongoing treatments. Any plan errors can be investigated and resolved immediately, resulting in higher quality patient care.

- TG-275 compliant
- Instant alerts and notifications
- Treatment review for every fraction
- Integrated offline image review

> **I really think that this is a big paradigm shift, it's no longer just a chart check. Since we've implemented email alerts, we're getting notifications for things we actually care about such as a plan revision or a change in the prescription."**
>
> - Jason Paisley, Chief Physicist at Novant Health NHRMC

RADformation

Unwavering Support to Guide Your Success

Unparalleled Customer Support

Our efficiency doesn't end with automation. We lead the industry with best-in-class support. Our clinical staff is on-call to help with proper implementation so that time savings can be added to the workflow immediately. Radformation values customer feedback and works quickly to incorporate new ideas into product updates. Radformation is your partner in the effort toward a common goal: delivering the best possible treatment to cancer patients.

"I have never worked with a company that provides the level of professional, quality customer support that Radformation does."

-Ryan Pennell, NewYork-Presbyterian Hospital/Weill Cornell

Clinical Applicability

Our team has valuable clinical experience and we rely on our expertise to develop solutions tailored to clinical needs. From journal publications and abstracts to case studies, clinical studies show measurable results, including time savings and programme quality improvement.

"Radformation's deep clinical understanding of the challenges we face on a daily basis is amazing. Genuine solutions to genuine clinical challenges makes for a safer and more efficient clinic."

-Ryan Hecox, Intermountain Health

Time Savings Where It Matters

Radformation products are designed with time savings and convenience in mind. From start to finish, our lineup of automation tools provides efficiency along every step over the course of patient treatment. With fewer bottlenecks, clinics are able to do more in less time and focus on what matters most.

"You're solving issues we didn't realize we had!"

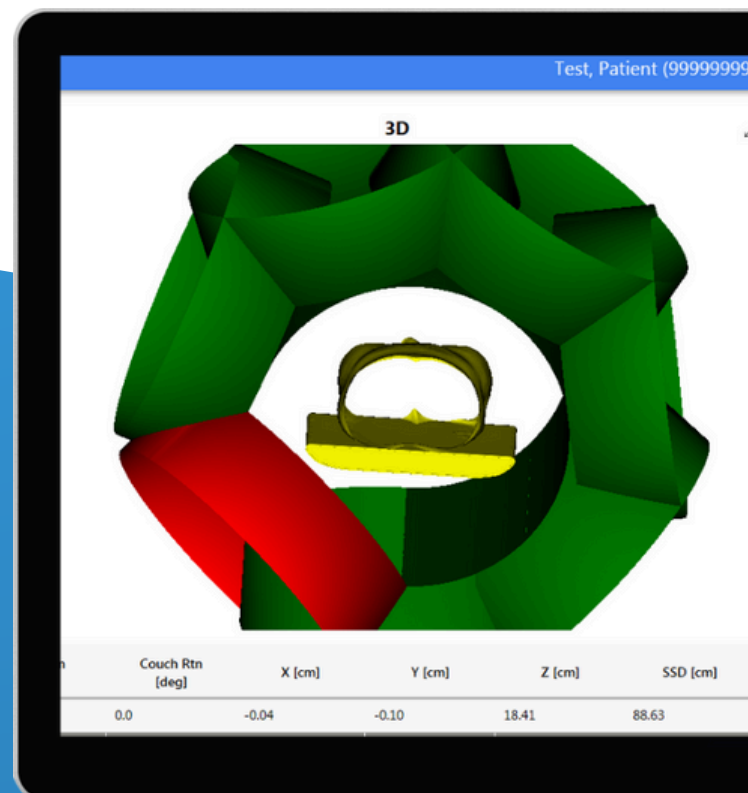-William Amestoy, University of Miami Health System

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Test, Patient (99999999

3D

	Couch Rtn [deg]	X [cm]	Y [cm]	Z [cm]	SSD [cm]
	0.0	-0.04	-0.10	18.41	88.63

Products not available in all markets

> "Radformation is THE most innovative, useful, concise, practical-minded, progressive, no-nonsense company in Radiation Oncology!"

- Stefano Peca, Medical Physicist at Karmanos Cancer Institute