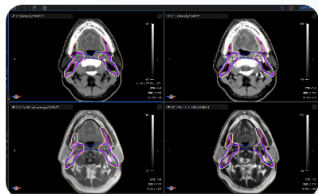


## PV-iFusion Multimodality Image Fusion Module

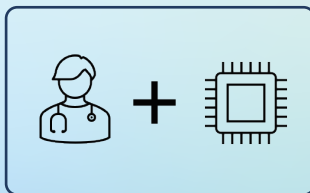


Multiple modality supported:  
CT, CBCT, MR, PET/CT, 4DCT,  
spectral CT

Automatic image registration within 5  
seconds

Rigid and deformable registration with  
high accuracy

## PV-iLearning Expert-Contouring-Models Adaptive Learning Module

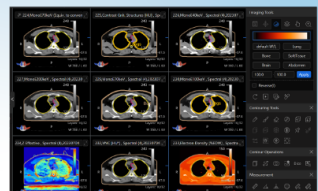


A powerful research tool combining  
expert's experience and AI power

Few-shots AI deep learning engine:  
initiated with only 3 samples

Data stays within the hospital, ensuring  
data security

## PV-iSpectra Spectral CT Contouring Solution



The first AI contouring workstation for  
spectral CT(2023)

Collaboration with  
PUMC (Peking union medical college  
hospital) and Philips

## PV-iTherapy AI-powered Online ART Solution



Transform CBCT to synthetic CT(sCT)  
and auto contouring based on CBCT/sCT

Reducing treatment time to 20 minutes  
per fraction

Integration with OIS system facilitates  
online remote collaboration

## About PVmed

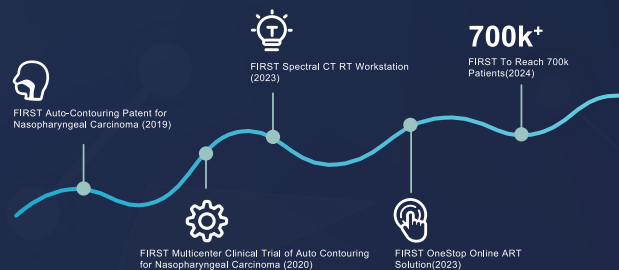
Backed by top-tier investors like Cherami Investment Group and Philips, PVmed is a global leader in AI-powered radiation and surgical oncology solutions, committed to enhancing patient care through precision and innovation. With a diverse portfolio of cutting-edge products, including the FDA-approved auto-contour product PVmed Contouring Software, PVmed is dedicated to providing high-quality, fast, and precise treatment options. Trusted globally, PVmed's solutions have been adopted by over 500 cancer centers worldwide, enhancing treatment for more than 500,000 patients. PVmed seamlessly integrates advanced technology into clinical practice, setting new standards in medical care and delivering world-class solutions to patients and clinicians.

## Certifications



## PVmed: Pioneering Milestones

Industry Leaders and Trendsetters in the True Sense



Facebook



LinkedIn

Perception Vision Medical Technology Co., Ltd.

email: [contactus@pvmedtech.com](mailto:contactus@pvmedtech.com)

# PV-iRT

## Intelligent Radiotherapy Solution



### Full-body Contouring In 3 Minutes

\*1 Specific function modules depend on the registration conditions in different regions. Please contact PVmed for accurate information.  
\*2 Follow RTOG, CRTOG, CSTRD, ESTRO guidelines, combined with expert database

## Solving the Bottlenecks in Contouring



Heavy workload of manual contouring on CT images



Variations in the experience of doctors lead to inconsistencies

## PV-iRT: All-In-One Intelligent Contouring Solution



Auto Contouring



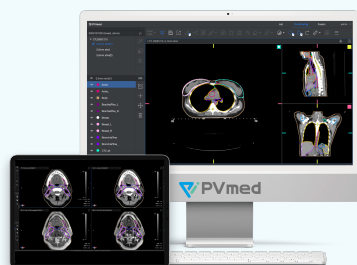
Smart Contouring Tool



Image Fusion



Model Training



## Easy and Flexible Deployment



Seamlessly integrated into routine clinical workflow



Compatible with multiple and mobile devices



Can be deployed within institution to ensure data safety



Compatible with DICOM protocol and mainstream devices

## Structures Coverage

### Head & Neck (CT)

61 OARs + 28 Lymphatic sites

### Head & Neck (MR)

38 OARs

### Chest (CT)

34 OARs + 16 Lymphatic sites

### Breast (CT)

34 OARs + 13 Lymphatic sites

### Male Pelvis (CT)

33 OARs + 12 Lymphatic sites

### Female Pelvis (CT)

32 OARs + 12 Lymphatic sites

### Pelvis (MR)

11 OARs

### Abdomen (CT)

10 OARs

## Full-body Contouring in 3 Minutes

## Comprehensive

### PV-iRT Functionalities

Auto Contouring



Traditional Contouring Tools



Smart Contouring Tools



Image Fusion



Plan Evaluation



Treatment Assessment on CBCT



Imaging Data Management and Process



AI Model Training Tools



## Accurate

Accuracy is our top priority. The organ segmentation algorithm is developed based on internationally recognized clinical guidelines, combined with personalized inputs from clinical experts.

Driven by extensive research data, our model undergoes continuous refinement, always pursuing higher level of accuracy and generalization.

### Authoritative Clinical Guidelines

From Radiation Oncology Associations including RTOG and CROG as reference



### Top Expert Experience

From multiple cancer centers are combined into model refinement



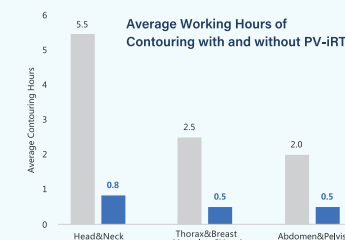
### Continuing Polishing

Of contouring models based on clinical research data



## Efficient

- Auto-contouring of OARs completed within 3 minutes
- Auto contouring of OARs of nasopharynx carcinoma saves over 95% of working time



\*statistics from user survey