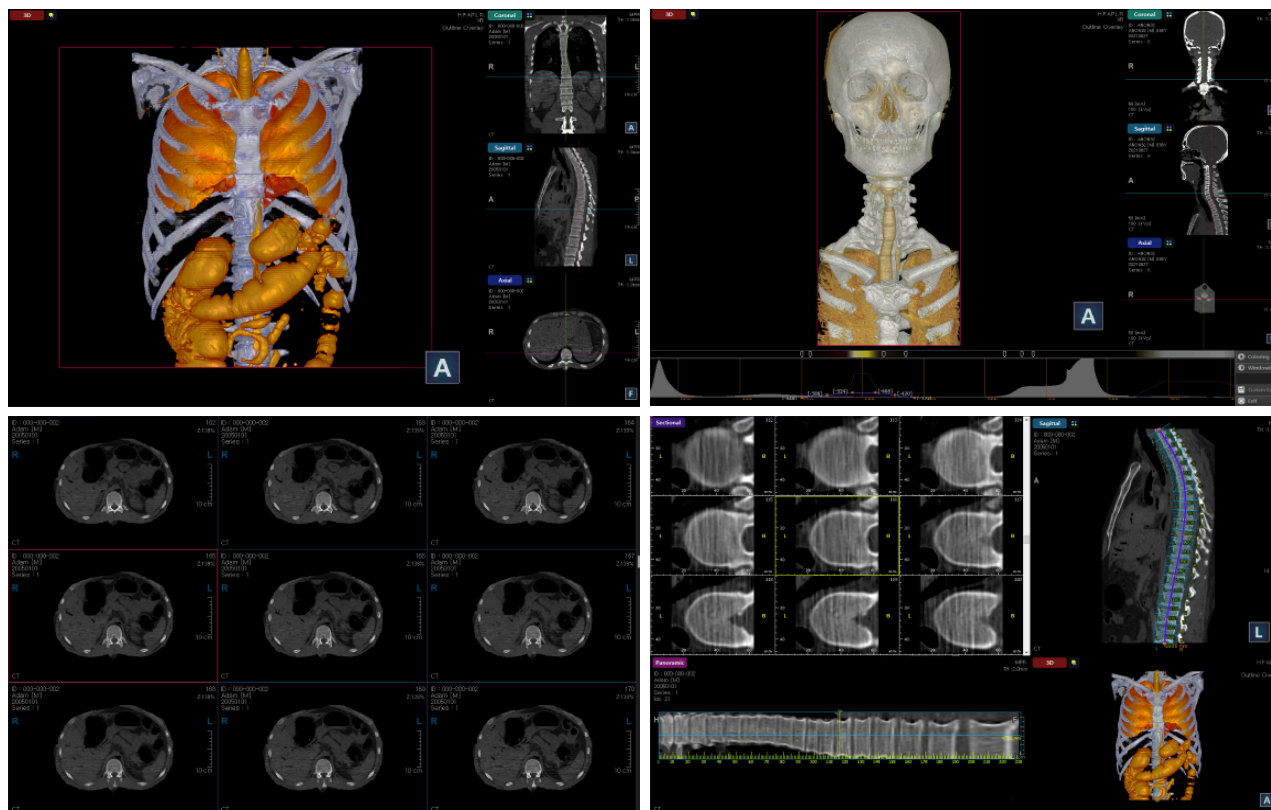# SUGAR 3D

New Standard for Fast and Accurate 3D Medical Imaging

Transforms complex CT DICOM data into intuitive 3D visuals, enhancing diagnostic precision.

FEATURE HIGHLIGHTS

Standard & Premium

Real-time 3D Rendering
Fast and precise 3D rendering for efficient diagnostics

Multiple View Modes
View lesions in three dimensions from multiple perspectives

User-friendly Interface
Intuitive interface that's easy for non-technical users to use

Advanced Visualization Tools
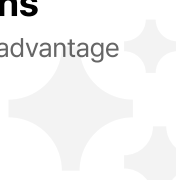Support for advanced tools for precise visualization

Expert-Level Tools
Advanced 3D analysis tools for precise clinical evaluation

Premium-level Add-ons
Scalable configurations to take advantage of additional advanced features
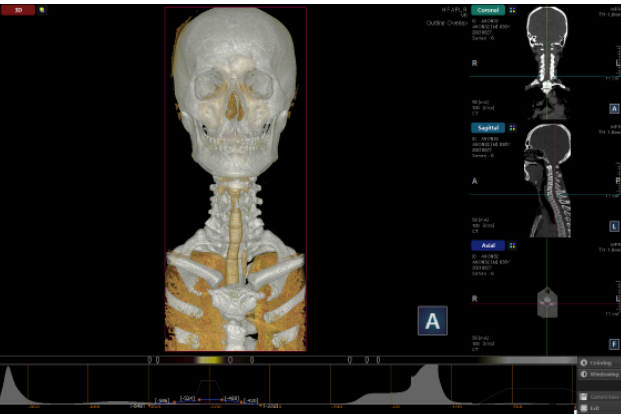
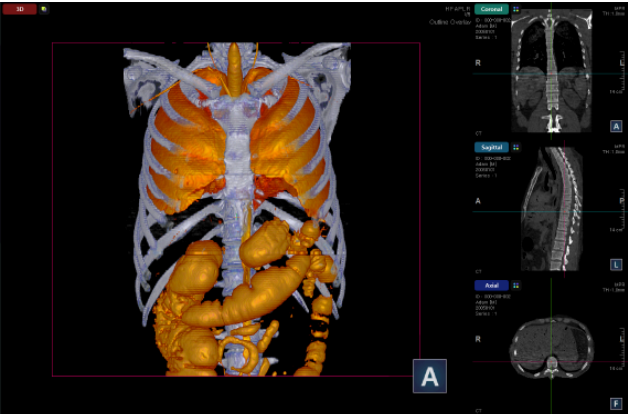SUGAR POLE

CORE VIEWER FEATURES

Standard & Premium

REAL-TIME 3D RENDERING

CT DICOM data is rendered in real time using a GPU-based engine, enabling smooth and delay-free 3D rendering.
3D volumes are generated instantly without conversion, allowing seamless interaction such as rotate, zoom, and slice.


▎3D Volume Rendering


▎3D Volume Rendering

MULTIPLE VIEW MODES

Standard planes such as Axial, Coronal, and Sagittal offer comprehensive anatomical visualization.
Panoramic and sectional views provide extended visibility along curved or complex regions.
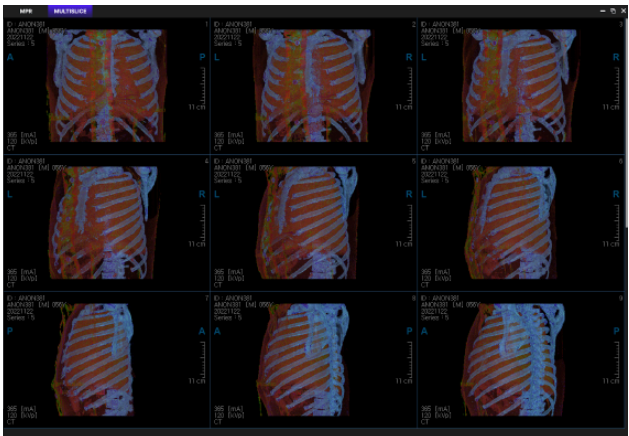Multislice mode enables side-by-side comparison of sequential slices, ideal for tracking lesion location and extent.

▎Axial, Coronal, Sagittal and 3D View
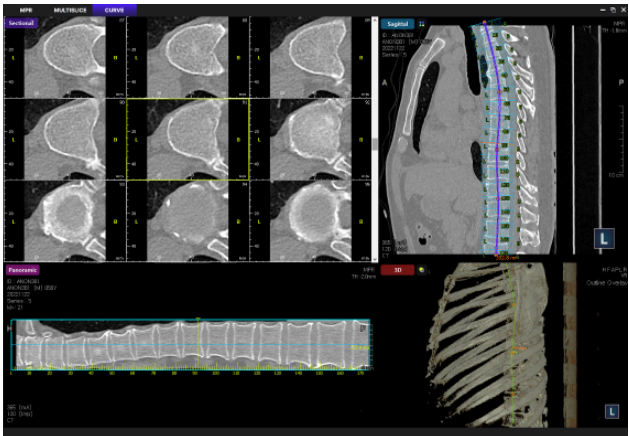
▎Panoramic and Sectional View (Curve)
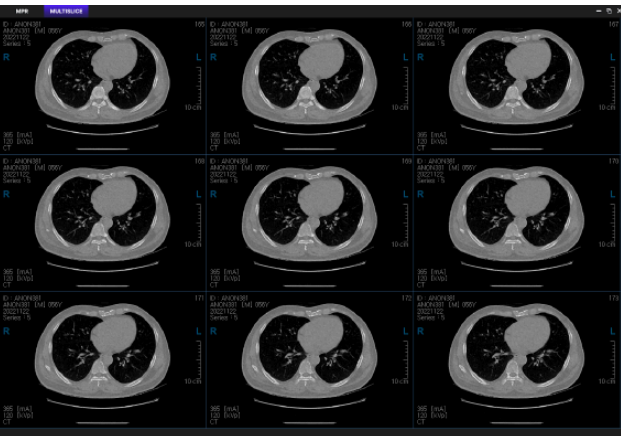
▎Multi slice View

▎3D Multi Rotate View
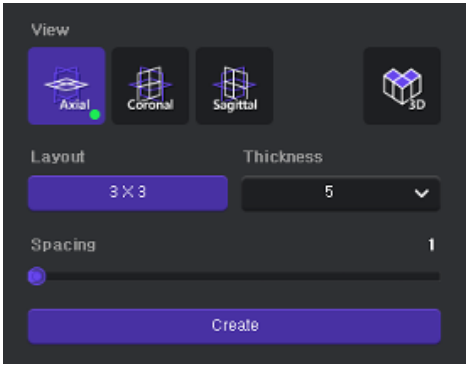
CORE VIEWER FEATURES

Standard & Premium

USER-FRIENDLY INTERFACE

The intuitive user interface and quick-access tools minimize the learning curve and streamline diagnostic workflows. Customizable layouts and keyboard shortcuts enhance user efficiency and adaptability across different use cases.
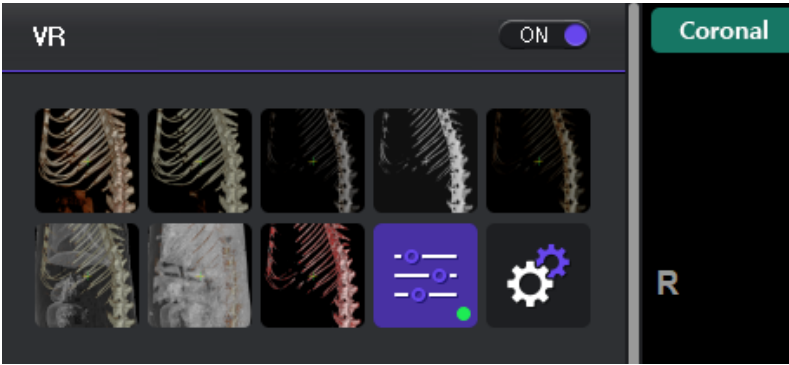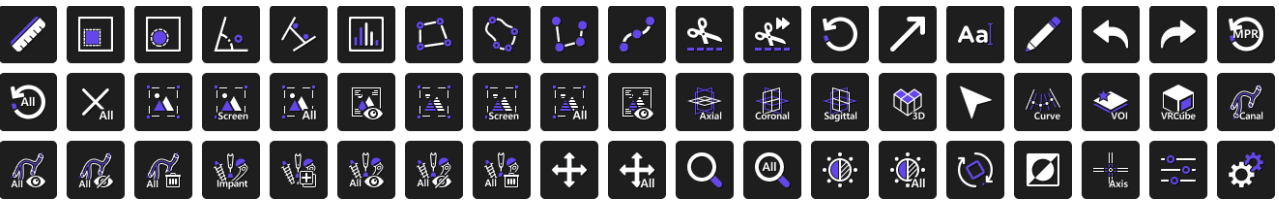

▮ Quick-Access Tools

▮ Efficiency and Adaptability

ADVANCED VISUALIZATION TOOLS

Built-in tools for measuring distance, angle, area, and volume are complemented by features like clipping, segmentation, and color mapping. These capabilities support precise anatomical analysis and pre-surgical planning with high visual clarity.
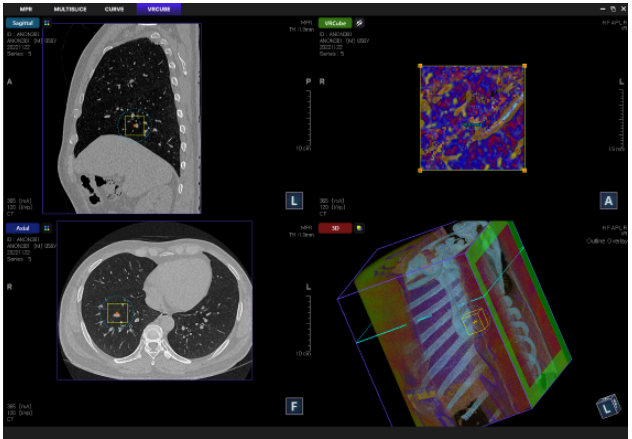

▮ Advanced Visualization Tools

EXPERT-LEVEL TOOLS

VOI lets you highlight specific regions for focused analysis, while the VR Cube enables intuitive 3D navigation and multi-angle exploration.
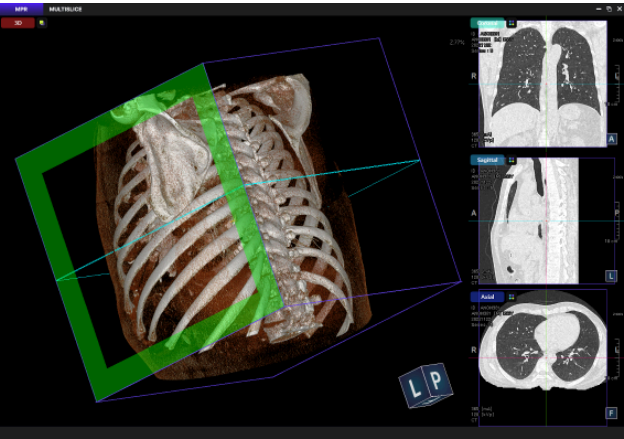
▮ VOI (Volume of Interest)

▮ VR Cube

PREMIUM FEATURES

Experience the special features of Premium.

IMPLANT SIMULATION

Comes with a comprehensive library of implants, allowing precise control of position, angulation, and depth in a 3D environment. Supports accurate pre-surgical planning through interactive simulation, and serves as a powerful tool for patient communication and case presentation.
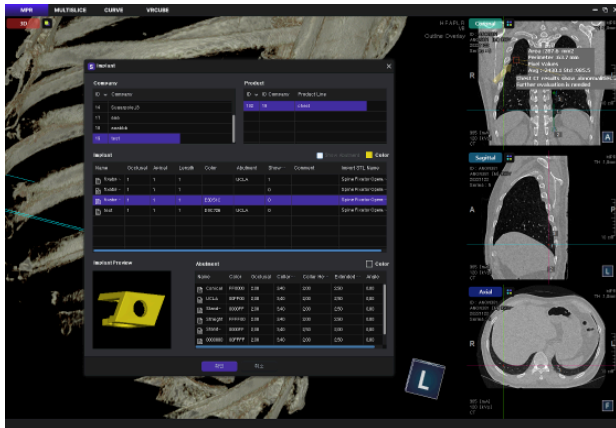
Implant Library
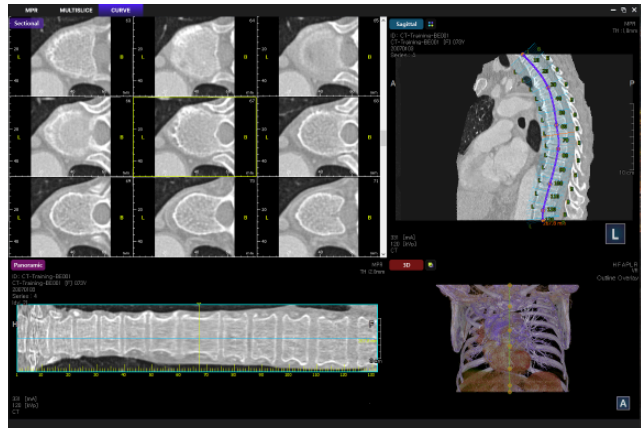
Implant Simulation

PACS INTEGRATION

Seamlessly integrates with hospital PACS systems, allowing direct use of original DICOM data without conversion. Ensures consistency and accuracy diagnostic imaging.
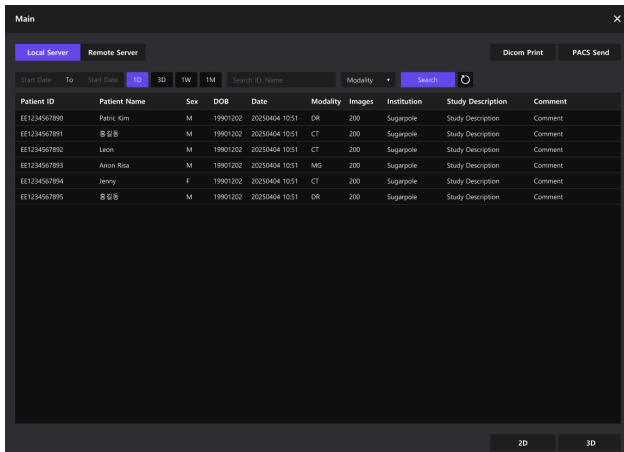
PACS Integration

DICOM CAPTURE & TRANSFER

Captured images can be saved in DICOM format and quickly shared across departments or systems. Ideal for clinical collaboration and patient reporting.
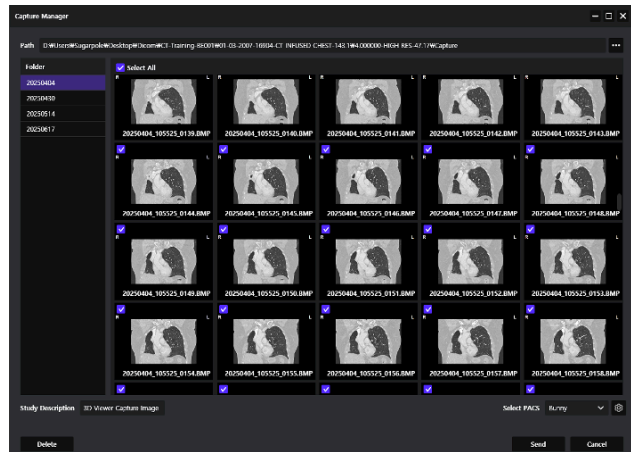
Capture Transfer

More precise. More intuitive. More powerful.

Premium is not just an upgrade, it's the new standard for professionals.

USE SCENARIOS

3D viewers are available in a variety of places.

CHEST SURGERY

Provides precise 3D visualization of thoracic anatomy including airways, vessels, and lymph nodes, allowing accurate localization and measurement of lesions. Supports surgical planning by identifying tumor margins and critical structures to avoid. Ideal for complex procedures requiring in-depth anatomical insight through multiple viewing modes.

ORTHOPEDICS

Offers comprehensive 3D visualization of bone structures and joint alignments, enabling accurate diagnosis of fractures and assessment of surrounding tissues. Simulates implant positioning and orientation to support precise surgical planning. Also facilitates postoperative evaluation through detailed cross-sectional comparisons.

RADIOLOGY

Combines axial slices with 3D volume rendering to enable multidimensional analysis of complex lesions and anatomical abnormalities. Visualizes density variations, lesion margins, and relationships with surrounding structures, enhancing both diagnostic confidence and reading speed. Captured images can also be instantly shared via PACS, facilitating fast and accurate communication for multidisciplinary collaboration.

PRODUCT SPECIFICATIONS

Sugarpole is always with its customers.

3D VIEWER FEATURE COMPARISON

Function	Standard	Premium
3D Volume Rendering	✓	✓
Multiple View Modes	✓	✓
Advanced Tools	✓	✓
Expert-Level Tools	✓	✓
Implant Simulation		✓
PACS Integration		✓
Dicom Function		✓

SYSTEM REQUIREMENTS (WINDOWS)

Category	Minimum	Recommended
OS	Microsoft Windows 10	Microsoft Windows 10, 11
CPU	1.5GHz+	3GHz Dual Core+
RAM	8GB	16GB+
GPU	NVIDIA/AMD Graphics Card	NVIDIA/AMD Graphics Card(4GB+)
Display Resolution	1280X1024	1920X1080
Storage	200MB HDD install space	Fast SSD(Image Data Storage)

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