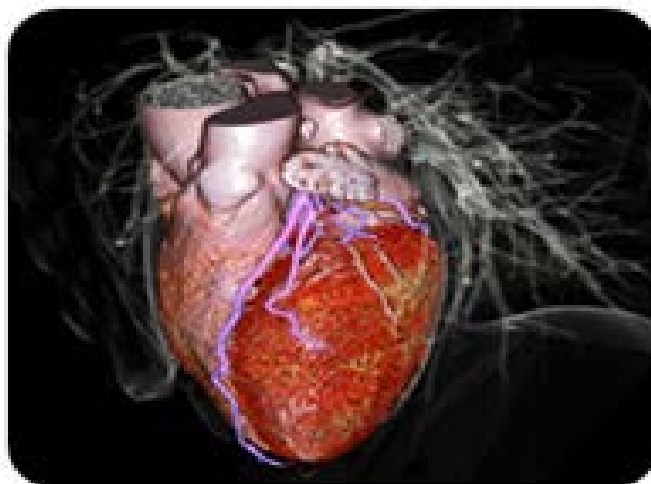# FUJIFILM
Value from Innovation

FUJIFILM Medical Systems U.S.A., Inc.

SYNAPSE® 3D

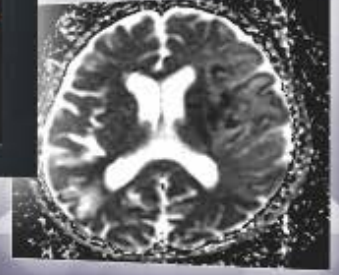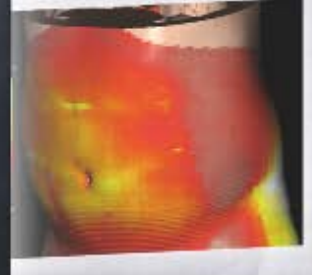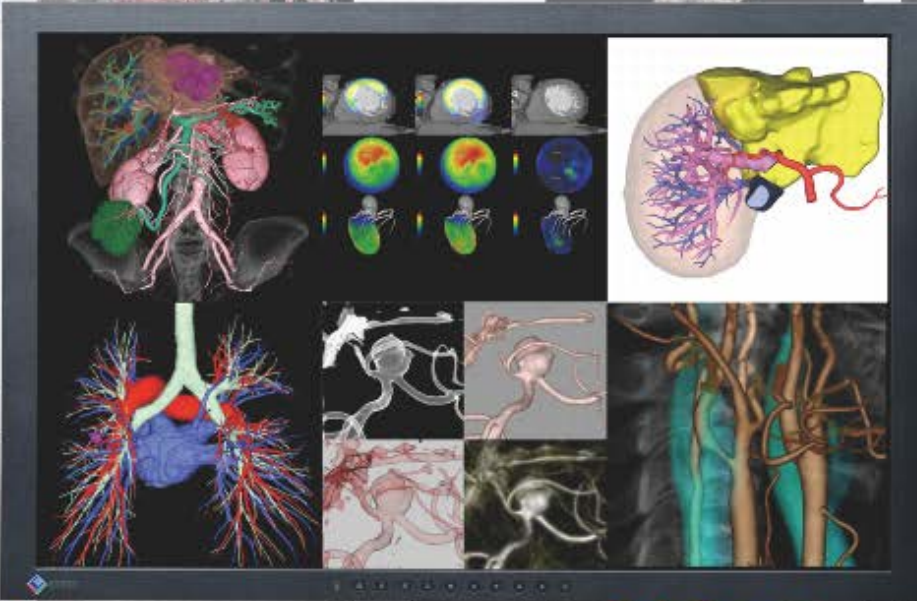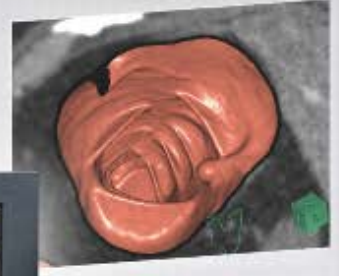## Version 4

FUJIFILM
Value from Innovation

SYNAPSE®
3D
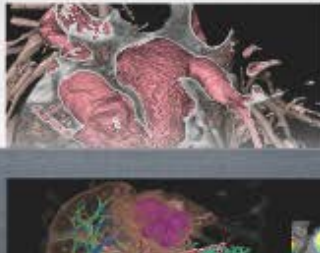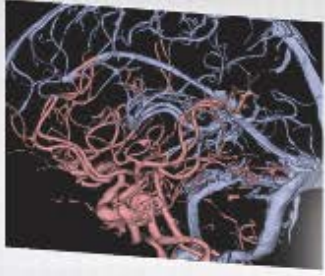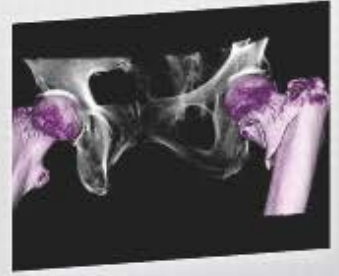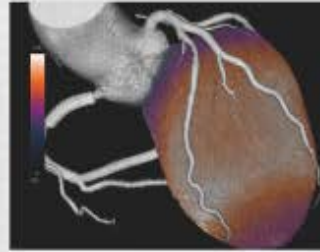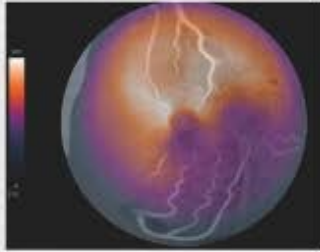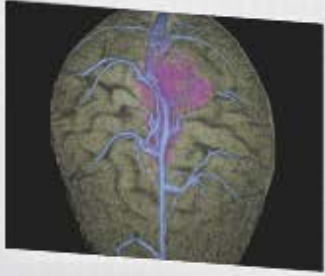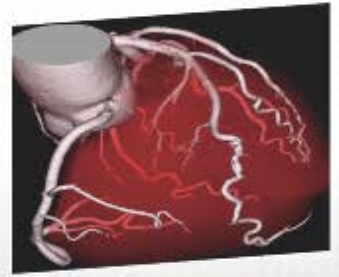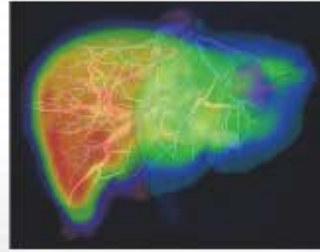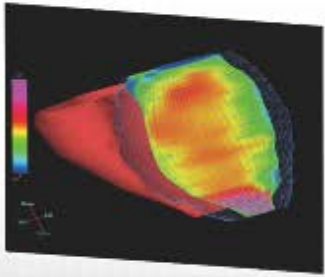
80 Years of Innovation

In the past 80 years, Fujifilm has accumulated vast knowledge of image technology, now licensed as "Image Intelligence™". As a global leader in technology innovation, Fujifilm constantly pursues the principles of optimal image processing with statistical analysis of actual image input and desired output using sophisticated computer models. Derived from the photography business, computer models proved to work well with medical imaging, transforming the way clinical images are viewed today. Synapse®3D uses Image Intelligence in its advanced processing image engines to produce state-of-the-art results.

High Image Quality Improves Confidence

Award-winning processing and segmentation algorithms are giving clinicians clinical confidence in their analysis. A leading company in the imaging industry, Fujfilm is able to take advantage of technologies to improve the way images are seen.

Enterprise-Wide Solutions Allows Easy Access

By saving the workflow state of an examination to a common platform, it is possible to share existing work with other users across the medical imaging enterprise. This features allow technologists, radiologists and specialists of various departments to cooperate seemlessly, resulting in a fast, collaborative approach to patient care.

Application Tools are Clinically Relevant

Synapse 3D applications are designed in collaboration with radiologists, cardiologists, surgeons and other specialists to produce clinical workflow solutions relevant to patient care.

Smart Tracking Based on Image Recognition

Noise Reduction
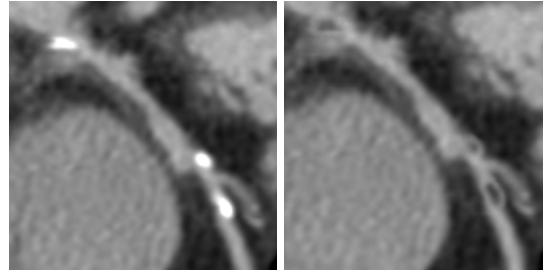
Hip Joint and Spine Extraction/Bone Separation

Bronchus and Pulmonary Lobe Extraction

Artery and Vein Extraction

Liver Vessel Extractions

Non-rigid Body Registration

Enables organ shift correction caused by image acquisition differences

FUJIFILM

Value from Innovation

Single Vendor Solution Offers Tightest Integration Workflows

At Fujifilm, we believe in providing integrated solutions to meet our customer's imaging and information needs across the medical enterprise. This diverse product portfolio includes Synapse PACS for radiology and cardiology, Synapse RIS, Synapse 3D, Synapse VNA and Synapse Mobility applicati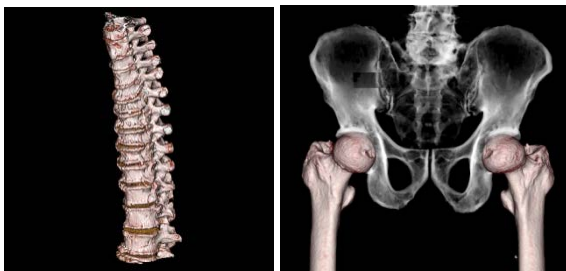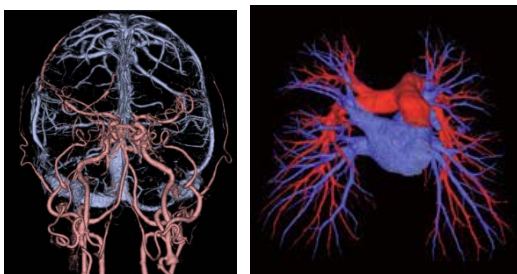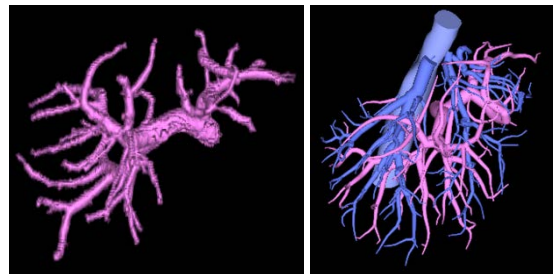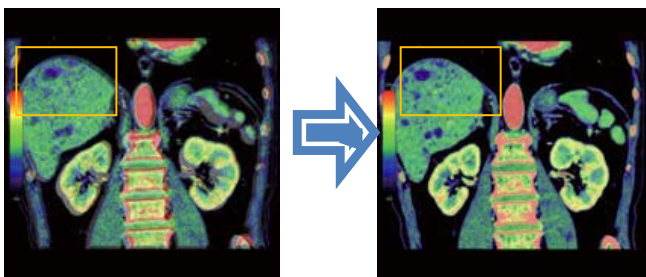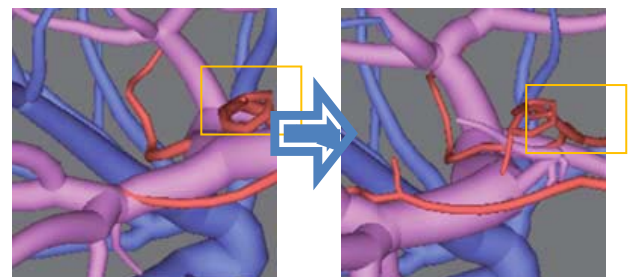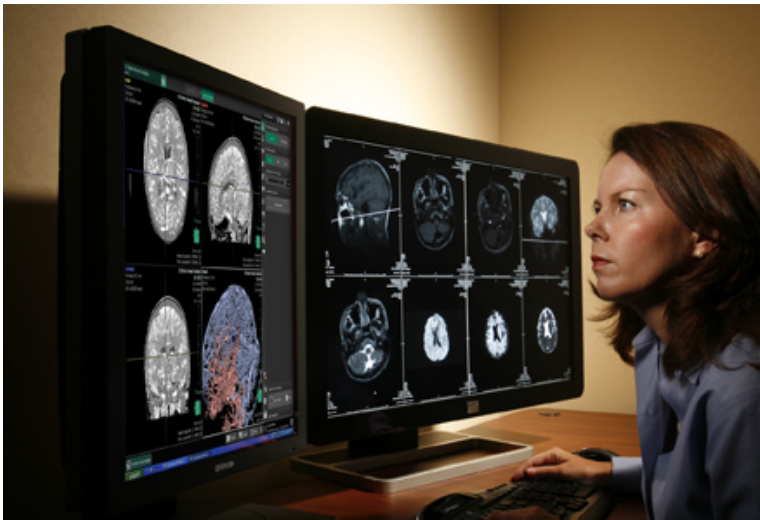ons. Integrating advanced visualisation and medical informatics across the imaging domain allows our customers to enjoy efficiency, security, and productivity, with the confidence of a Fujifilm partnership that will last well into the future.

One-click Access from Synapse

Eliminate the need to access your advanced diagnostic tools from a separate workstation or with a separate log-on. Full integration with Synapse PACS and Synapse Cardiovascular means one-click access from any Synapse client. Your patient list is synchronized with Synapse PACS, so it is always up-to-date and always accurate.

Synchronized Database For Easy Data Management

Synapse 3D offers clinicians a streamlined, rapidly efficient workflow. Synapse 3D uses SYNAPSELink to synchronise the patient database with Synapse PACS to lower time spent retrieving and saving images. Pre-cache and pre-render capabilities enable faster image results.

FUJiFILM
Value from Innovation

Synapse 3D Clinical Applications

Brain Perfusion CT

Brain Perfusion MRI

4D Perfusion (CT)

Tensor Analysis with

Craniotomy

Lung Analysis

Lung Analysis Resection

Lung Analysis Scope

2D Fat Analysis

3D Fat Analysis

Liver Analysis CT

Liver Analysis MRI

Colon Analysis

Kidney Analysis

Coronary Analysis CT

Coronary Analysis MRI

Cardiac Function CT

Cardiac Function MRI

Calcium Scoring

Cardiac Fusion

MR Flow Analysis

Aortic Valve Analysis

Ablation Analysis

4-Chamber Analysis

RECIST Tracker
PERCIST Tracker

Synapse 3D General Applications

|			
2D Viewer	3D Comparison	Slicer	Vessel Extraction
3D Viewer	Fusion Viewer	Dental	Tx Map
4D Viewer	Nuclear Medicine Viewer	Sector MPR	General CPR
Dynamic Data	2D Fusion Viewer	ADC Map	MPR Reformat

Snapshot Workflow Enhances and Advances Patient Care
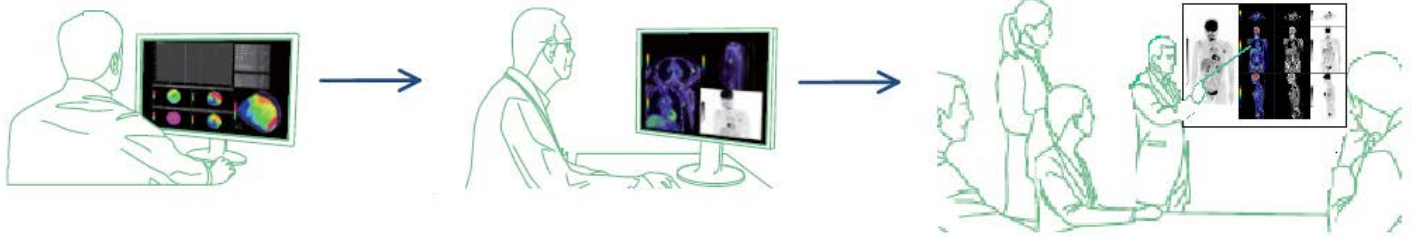
Synapse 3D uses "snapshot workflow" technology to reduce redundancies and productivity waste by allowing workflow states to be captured for additional users and use situations. Examples include 3D core labs, resident workflows, surgery planning, tumor/surgical boards or research laboratories. One study can be processed, shared, and continued across the medical enterprise resulting in a collaborative approach to healthcare.

Clinical Value Throughout Your Entire Imaging Enterprise

Synapse 3D offers clinical information for medical departments across the entire enterprise. From a central processing server, thin and zero clients technology allow clinically-rich images and analysis data to be accessed anywhere.
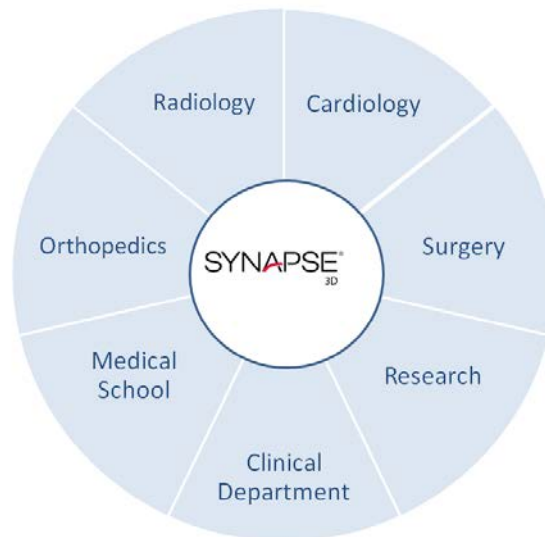
FUJIFILM Medical Systems USA, Inc.

Corporate Headquarters

419 West Avenue
Stamford, CT 06902-6348
www.fujimed.com

©1997-2014 FUJIFILM Medical Systems USA, Inc.
MKT-0032948-B