FUJIFILM
Value from Innovation

SYNAPSE® 3D

Synapse **3D**

History of Innovation

FUJIFILM
Value from Innovation

©2016 FUJIFILM Medical Systems U.S.A., Inc. All rights reserved.

Image Intelligence™

80 Years of Innovation

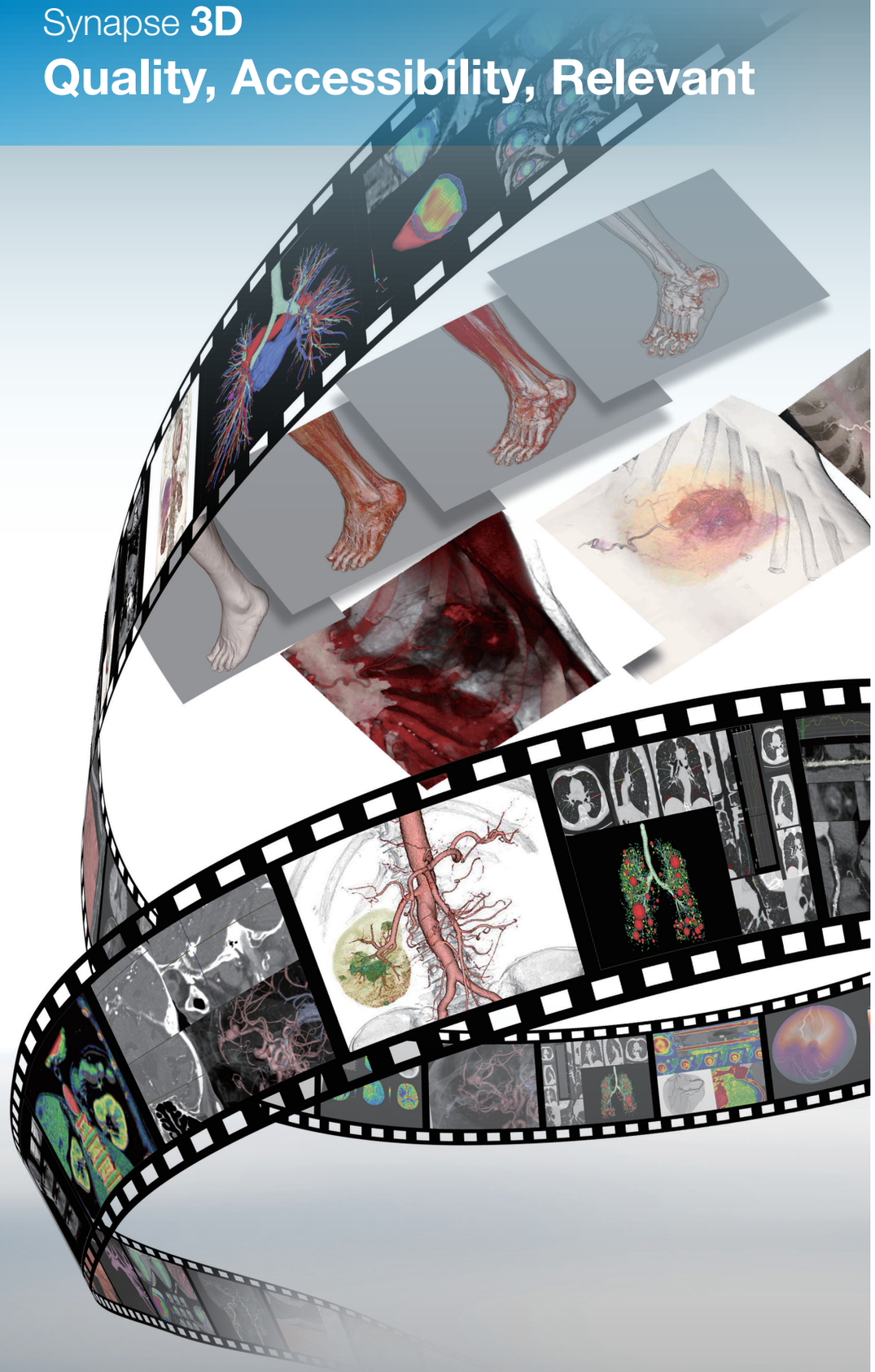
Light, entering through the eyes, is processed and projected as an image in the brain. Image Intelligence™ performs this same kind of image optimization and processing in a digital environment. In the past 80 years, Fujifilm has accumulated vast knowledge of image technology, now licensed as “Image Intelligence.”

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. These computer models proved to work well with medical imaging, transforming the way images are viewed today. Synapse 3D uses Image Intelligence™ in its advanced processing image engines to produce state-of-the-art results.

SYNAPSE®

Synapse **3D**

Quality, Accessibility, Relevant



Advanced Visualization Software that Enhances and Advances Patient Care

High Image Quality Improves Confidence

The image recognition technology Image Intelligence™ used in Fujifilm's digital cameras, is adopted in Synapse 3D to allow optimized image processing capabilities. As a leading company in the imaging industry, we are able to take advantage of technologies to improve the way images are seen.

Enterprise-Wide Solutions Allow 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. These features allow technologists, radiologists and specialists of various departments to cooperate seamlessly, 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 solutions relevant to patient care.

FUJIFILM
Value from Innovation

©2016 FUJIFILM Medical Systems U.S.A., Inc. All rights reserved.

Image Intelligence™ is a registered trademark of FUJIFILM Corporation.

SYNAPSE®

Synapse **3D**

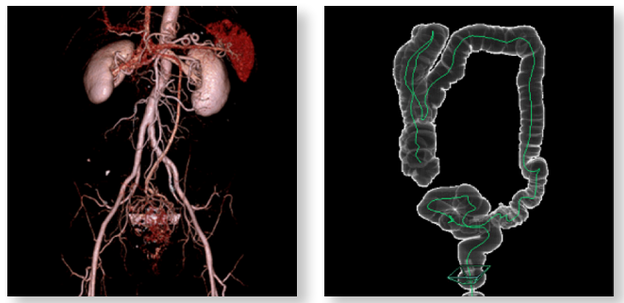
Image Quality

FUJIFILM
Value from Innovation

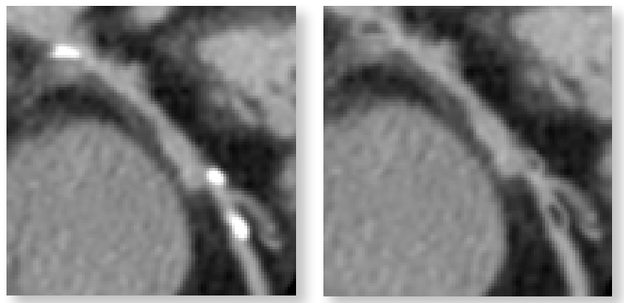
©2016 FUJIFILM Medical Systems U.S.A., Inc. All rights reserved.

High Image Quality Improved Clinical Confidence

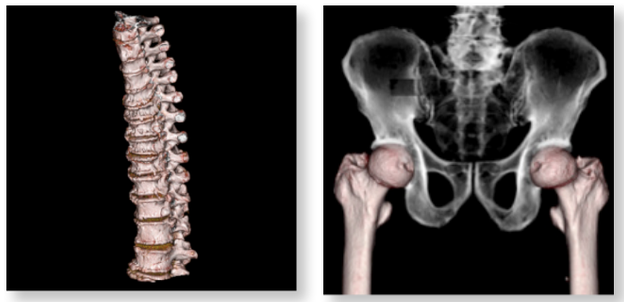
Smart Tracking Based on Image Recognition



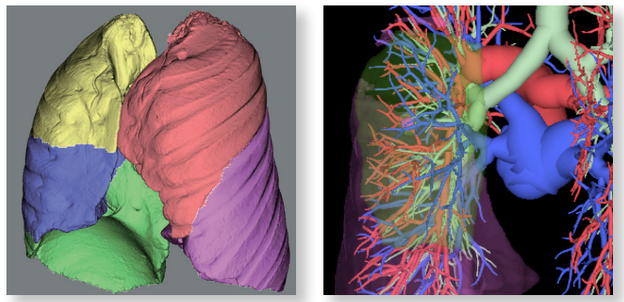
Calcium Subtraction



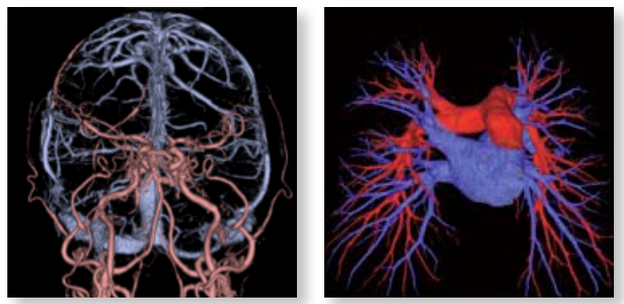
Hip Joint and Spine Extraction/Bone Separation



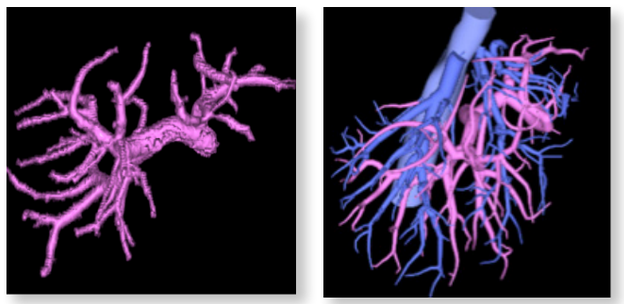
Bronchus and Pulmonary Lobe Extraction



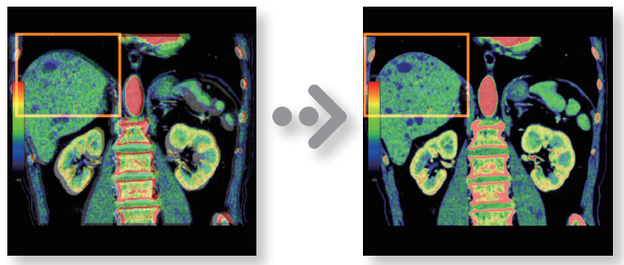
Artery and Vein Extraction

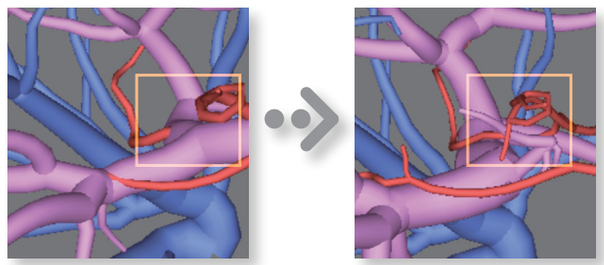


Liver Vessel Extractions



Non-rigid Registration – Enables organ shift correction caused by image acquisition differences





SYNAPSE®

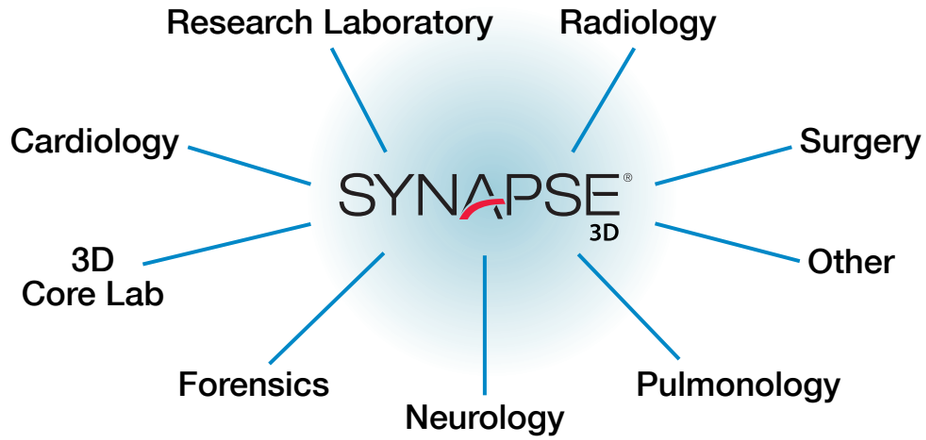
Synapse **3D**

Enterprise-Wide Solutions

©2016 FUJIFILM Medical Systems U.S.A., Inc. All rights reserved.

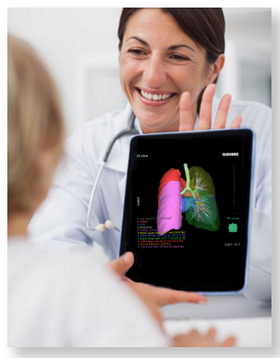
Thin Client Terminals

Access full-feature applications from any PC using thin-client technology. In busy departments, technologists, radiologists and clinicians are able to access valuable data to enhance the care of their patients without wasteful redundancies – truly advancing patient care with clinical confidence.



Zero Client Terminals

Share Synapse 3D snapshots of any clinical application with referring physicians, surgeons and patients using mobile devices.



SYNAPSE®

Synapse **3D**

One Company – Fujifilm

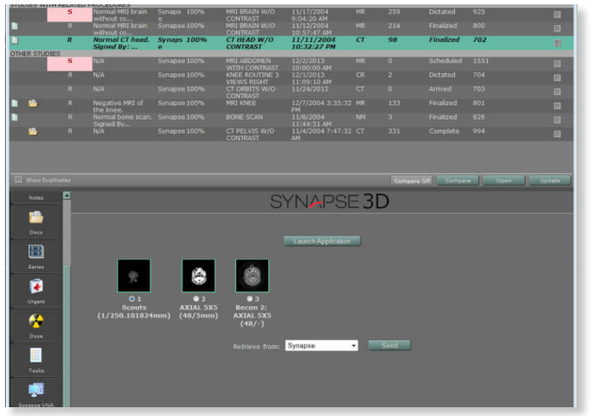
FUJIFILM

FUJIFILM
Value from Innovation

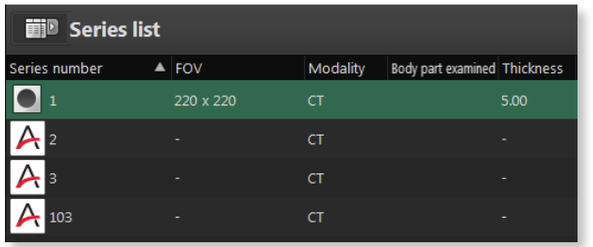
©2016 FUJIFILM Medical Systems U.S.A., Inc. All rights reserved.

Single Vendor Solution Ensures Optimal Operability, Security and Service Across Your Entire Enterprise

Optimal Operability – Single-click Access from Synapse



Synchronized Database for Efficient Data Management



Single Point of Contact for Fujifilm Support and Service

(888) FUJI-MED (385-4633)

SYNAPSE®

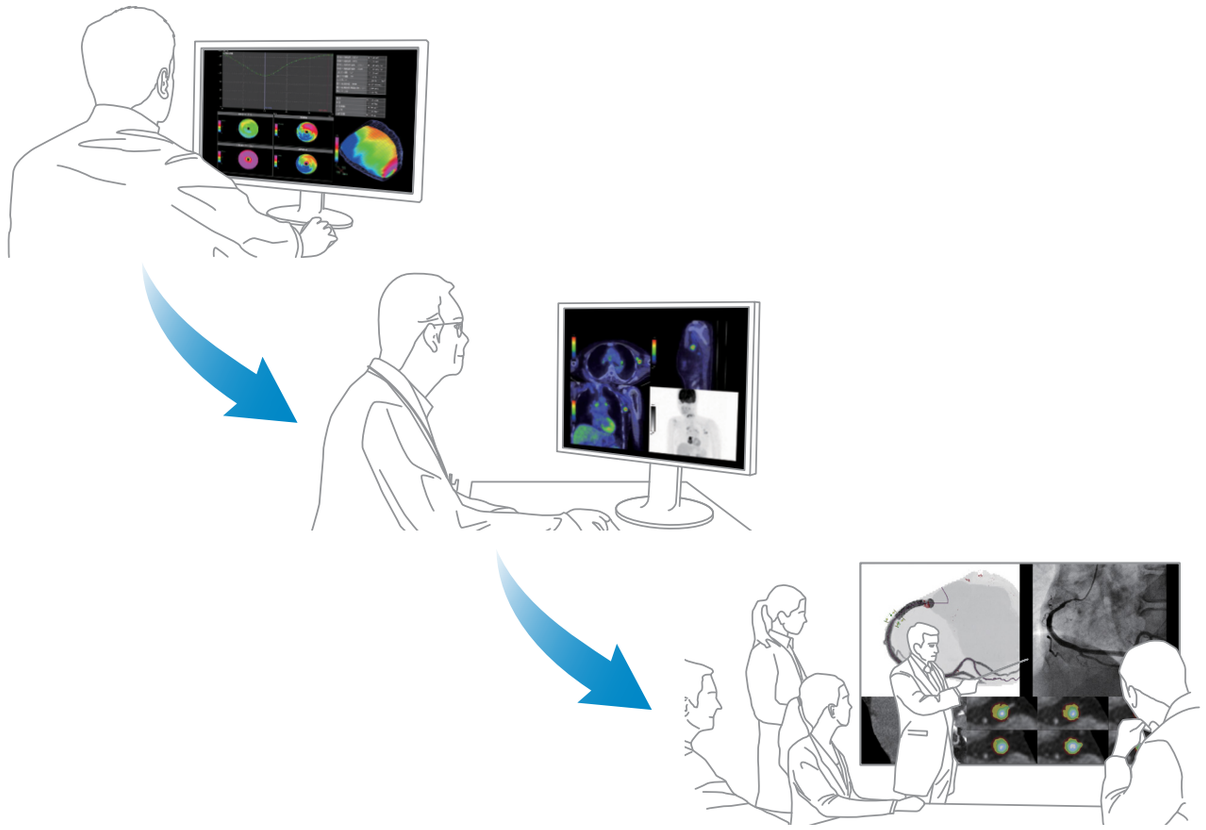
Synapse **3D**

Clinical Excellence

FUJIFILM
Value from Innovation

©2016 FUJIFILM Medical Systems U.S.A., Inc. All rights reserved.

Snapshot Workflow Enhances and Advances Patient Care

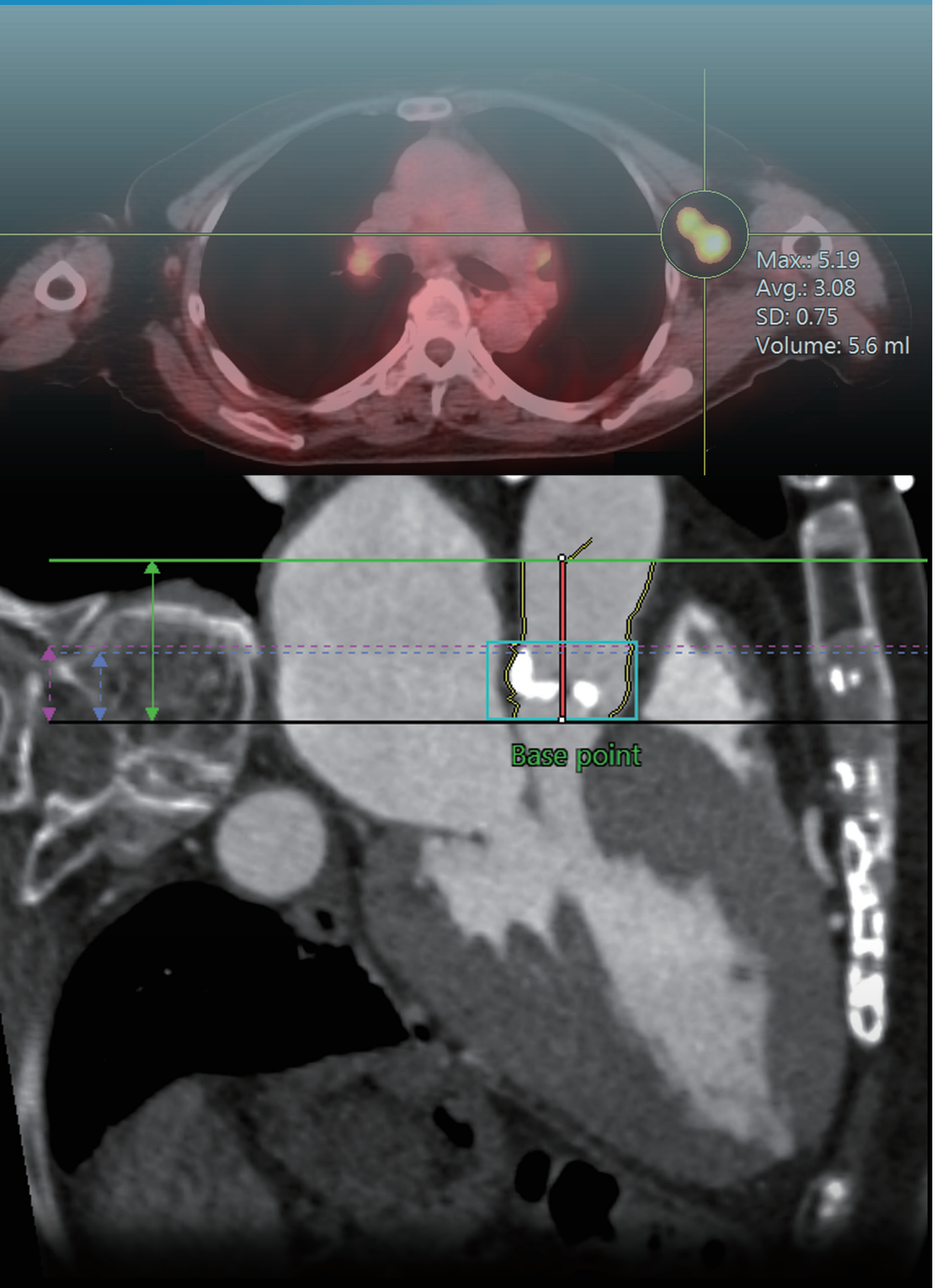


Synapse 3D uses “snapshot workflow” technology to reduce redundancies and productivity waste by allowing workflow states to be captured for additional users and use situations. Examples include 3D core labs, resident workflows, surgery planning, tumor/surgical boards or research laboratories. One study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

SYNAPSE®

Synapse **3D**

Clinical Application Tools



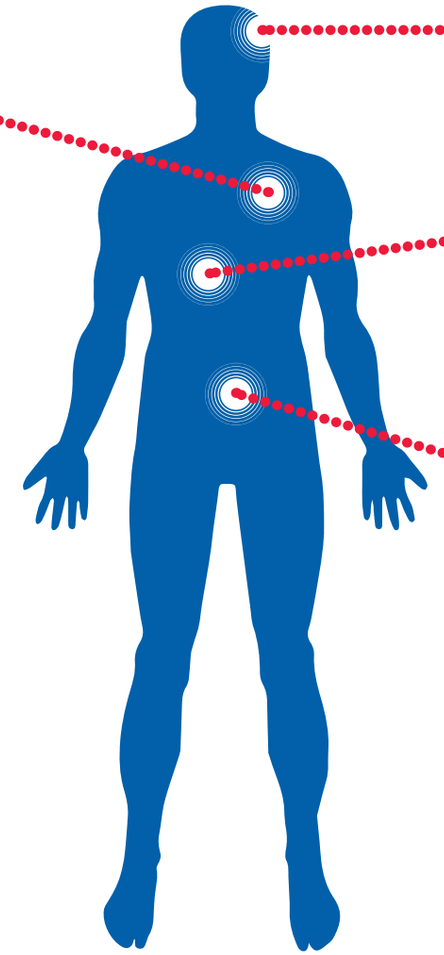
FUJIFILM
Value from Innovation

©2016 FUJIFILM Medical Systems U.S.A., Inc. All rights reserved.

Clinical Tools

- Coronary Analysis CT
- Coronary Analysis MRI
- Cardiac Function CT
- Cardiac Function MRI
- Calcium Scoring
- Cardiac Fusion
- MR Flow Analysis
- Aortic Valve Analysis

- RECIST Tracker
- PERCIST Tracker



- Brain Perfusion CT
- Brain Perfusion MRI

- Lung Analysis
- Lung Analysis Resection
- Lung Analysis Scope

- 2D Fat Analysis
- 3D Fat Analysis
- Liver Analysis CT
- Liver Analysis MRI
- Colon Analysis
- Kidney Analysis

General Tools

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

SYNAPSE®