



# Innova 3D

## 3D imaging in the interventional lab

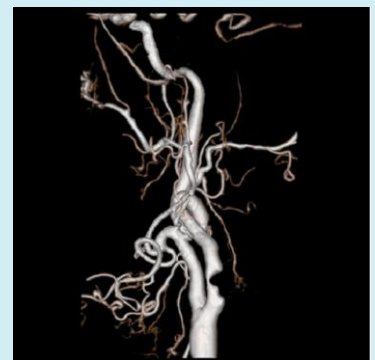
Interventional procedures are becoming increasingly complex. With new techniques and devices being introduced almost weekly, 2D fluoroscopic techniques alone are not always adequate to the task of facilitating interventional procedures. Especially in areas where vasculature is tortuous and complex, 3D imaging is an essential asset for effective intervention.

### Overview

Innova 3D is an acquisition mode that provides 3D imaging from rotational angiography allowing you to clearly visualize complex vasculature in the interventional lab.

### What's new

- Displays axial, sagittal, coronal, and oblique cross-sections.
- Excellent volume rendering quality.
- Streamlined workflow.
- Customizable, automatic, full resolution volume reconstruction and display on the monitor.



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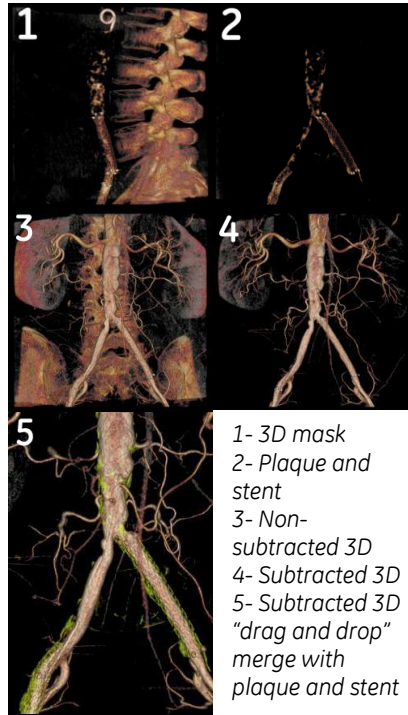
## Features

- Provides 3D reconstruction from a single 200° (approximate) spin acquired at 30 fps.
- Performed at 40°/s, a rotation yields approximately 150 images over a 5 second span.
- 3D reconstruction begins immediately and automatically, using your preferred parameters, as soon as acquired images are received on the AW Workstation.
- Offers a range of filters and resolution modes for your 3D models. Standard models are reconstructed at 512<sup>3</sup> resolution, and "Fast 512<sup>3</sup>" (2x time reduction) and 256<sup>3</sup> (8x time reduction) modes are available when time is an issue.
- Volume Viewer's range of analysis tools facilitates your evaluation of 3D vessel and interventional device models.

## Innova Subtracted 3D (Optional)

Innova Subtracted 3D reconstructs 3D volumes from 2 consecutive rotational acquisitions displaying

images to help you quickly visualize vessels without the need to remove surrounding bone, tissue, and implanted devices. This program is valuable for angiography procedures involving aneurysm coiling, stent deployment, and vessel embolization.



- Mask and contrast functions are performed at 40° rotation per second at 30 fps, yielding approximately 300 images over approximately 20 seconds.

- Choose single or multiple volume reconstruction and display.
- Display the mask series, subtracted vascular anatomy, and standard 3D vascular images either side by side or separately.

## Indications for Use

Innova 3D is a software option which reconstructs 3D volumes from Rotational Fluoroscopy acquisition to assist the physician in diagnosis, surgical planning, interventional procedures and treatment follow-up

## System Requirements

- AW VolumeShare 3 or higher

## Regulatory Compliance

This product complies with the European Council Directive 93/42/EEC Medical Device Directive as amended by European Council Directive 2007/47/EC.



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