



# Preprocessing

Studies ready to read when you're ready to read them.

The accuracy and detail achievable with today's diagnostic imaging technology is unprecedented. But to obtain such high levels of diagnostic utility, a considerable amount of data must be collected and processed. Preparing for an optimal reading takes time: you have to select the proper protocol, load the images, wait for them to process, and only then can you begin reading. And when the next patient is scanned, you start the process over again. This succession of redundant routine tasks impacts the diagnostic time of 3D image processing.

AW Preprocessing streamlines your workflow by loading and processing images in the background so that exams are ready for reading when you are.

## What's new

- Streamlines your workflow by loading and processing exams in the background.
- Preset protocols<sup>2</sup> remove bone in all anatomies, track and label coronaries, and track and unfold colon.
- Lets you switch among up to eight processed exams instantly.<sup>1</sup>

## Overview

The AW Workstation Preprocessing feature speeds your workflow and gives you greater flexibility by automatically applying the appropriate protocol, loading image sets, and processing studies, in the background, so they are ready to read when you're ready to read them.



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## Features

- Exams are automatically loaded and processed when transferred to the AW system.
- No waiting for image loading and processing. Processing is performed in the background while you read another exam.
- Saves time, so you can read more cases per day.
- Gives you greater flexibility since you can switch between exams instantly<sup>1</sup>, without exiting the current exam, for secondary review or consultation with a referring physician.
- Access up to eight<sup>1</sup> processed exams instantaneously.
- Optimized performance for specific anatomies and indications, e.g. bone subtraction<sup>2</sup> settings are tailored for carotid studies and are different from angio run-off settings, etc.
- Appropriate anatomy and indication processing protocol is automatically selected based on acquisition protocol.
- Automatic<sup>2</sup> no-click bone subtraction.
- Automatic<sup>2</sup> no-click coronary vessel tracking and segmentation.

- Colon is automatically unfolded<sup>2</sup> and tracked for CT colonoscopy exams.
- Automatic<sup>2</sup> myocardium functional analysis is processed for all cavities.

## System Requirements

Minimum 12GB RAM required for workstations.

### Minimum platform release:

Requires x8400, x8600 or Z800 hardware. Or any AW Server Hardware.

### Pre-requisite software:

AW VolumeShare 2 or later for workstations. AW Server 2 Software release required for server hardware

## Indications for Use

This feature is a productivity option in Volume Viewer which gives the ability to automatically load in memory cases that are transferred to the AW. A single click in the AutoLaunch window raises instantly the Volume Viewer protocol that has been automatically launched. Interaction with the data is immediately possible as data are preloaded and ready to read.

## Regulatory Compliance

This product complies with the European CE marking regulation following Medical Devices Directive: Directive 93/42/EEC.

<sup>1</sup> The Autolaunch feature is only available on the AW Workstation. On the AW Server, up to 3 exams can be opened simultaneously

<sup>2</sup> Some functionality are linked to optional purchasable packages



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