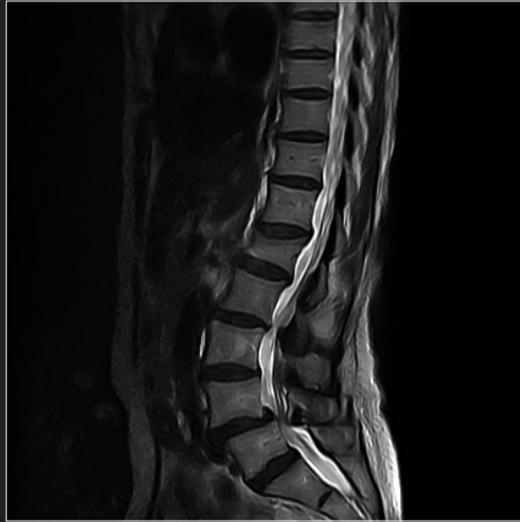




ORIGINAL



PROCESSED WITH GOPVIEW MRI2^{PLUS}

QUICK FACTS

Increased soft tissue contrast

Superior noise reduction and edge sharpness

Higher contrast between white and gray matter in brain scans

Improved diagnostic confidence

Extensive platform support

IMPROVED DIAGNOSTIC VALUE AND HIGHER THROUGHPUT FOR MRI APPLICATIONS – EASILY INTEGRATED INTO YOUR SOFTWARE



ContextVision's MRI technology is used in over thirteen thousand MRI scanners around the world. The software is based on our sophisticated adaptive technology that simultaneously reduces noise while enhancing contrast and edges. Enhanced images are easier to view, creating improved diagnostic value and higher throughput. All of this is achieved with a future-proof technology.

The adaptive GOP® image enhancement methodology analyzes each pixel in its context and is unique in its way to calculate a new filter for every new image that enters the algorithm. Hence, filtering and enhancement is applied confidently knowing that true structures are accurately identified.

With GOPView MRI2^{Plus} the signal to noise ratio is increased which allows excellent image quality even for low field MRI systems. GOPView MRI2^{Plus} is superior in processing images with variable intensities across the image and integrates easily into your software.

ContextVision's GOPView MRI2^{Plus} works on images from all MRI scanners. There are proven benefits in low, mid and high field MRI scanners. GOPView MRI2^{Plus} can be used in general or specialized exams.

Optional tuning interface for parameter control is available.

“The clarity ContextVision's methods bring to the images gives me as a radiologist a real feeling of confidence.”

GUSTAV BERGSTRAND, MD PH.D
VÄLLINGBY LÄKARHUS,
STOCKHOLM



ORIGINAL



PROCESSED WITH GOPVIEW MRI2^{PLUS}

BRAIN SCAN

Simultaneous noise reduction and contrast enhancement

GOPView[®] MRI2^{Plus} SPECIFICATIONS

ContextVision's new image enhancement software is field strength independent and easily integrated into modern software platforms.

Software Development Kit

GOPView MRI2^{Plus} includes a shared library and an integration guide including examples.

Operation

The operation runs on images from memory to memory. GOPView MRI2^{Plus} is UI independent.

Parameter Adjustments

The operation can be customized with parameter files according to different usage scenarios (e.g. different views, speeds, anatomies and physician preferences). Parameters are easily adjustable, each rendering a different setting, from which the application can select. ContextVision's medical imaging application engineers provide support for development of these imaging parameters. Optional tuning interface is available for parameter adjustment.

Data Formats

Signed or unsigned 16 bits monochrome pixel data for image. Any image size (height or width) can be used.

Performance

The 32-bit version of GOPView MRI2^{Plus} can process approximately ten images (512x512) per second on an Intel Core 2 Quad processor or similar. The exact performance depends on the computer configuration and the filters used. GOPView MRI2^{Plus} automatically takes advantage of multi core processors, which means higher performance if more cores are available.

Licensing

Various licensing options are available, such as SafeNet Sentinel SuperPro USB Dongle and Hardware Identification.

Platform support

GOPView MRI2^{Plus} runs on 64 and 32 bit versions of both Linux and Windows.

Technology Base

ContextVision's proprietary adaptive algorithms are based on the patented GOP technology. All algorithm implementations are optimized for quality and speed for each customer without introducing any artefacts.

NOTE

ContextVision's quality management system is certified as conforming to the requirements of SS-EN ISO 13485:2003.

Since 1983, ContextVision has been a leading provider of image enhancement software to the global medical imaging industry, with the versatile GOP[®] technology at the core of all our imaging solutions. We play a key role in helping manufacturers by offering clinicians unparalleled diagnostic image quality, ultimately providing patients with better care. ContextVision continues to offer the latest software and expertise within ultrasound, x-ray, magnetic resonance imaging, mammography, fluoroscopy and computed tomography. Our groundbreaking technology and lengthy expertise have granted us a pioneer position within 2D/3D/4D image enhancement across multiple modalities.

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