



GEMPACS

*A Practical PACS Solution for
Essential Medical Imaging Needs*



GEMPACS is the ideal choice for healthcare providers who need a simple, effective, and budget-friendly PACS.

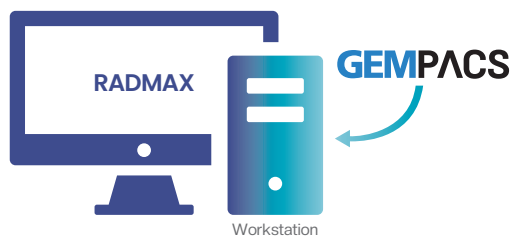
A Practical PACS Solution for Essential Medical Imaging Needs



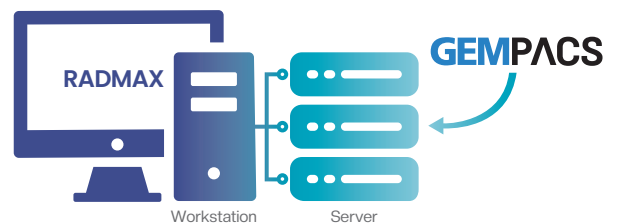
GEMPACS is a streamlined **Picture Archiving and Communication System (PACS)** designed for **efficient and reliable medical imaging management**. Focused on **core functionalities**, GEMPACS offers a **simple, cost-effective solution** without unnecessary complexity. It is ideal for clinics, hospitals, and imaging centers that require a **dependable and easy-to-use PACS** for storing, retrieving, and viewing medical images.

Experience Advanced Imaging with GEMPACS and DRGEM's RADMAX Software

On a single workstation



On a dedicated server



GEMPACS is a streamlined digital imaging solution, perfectly integrated with DRGEM's RADMAX software. This setup offers flexibility, whether on a single workstation for compact areas or a dedicated server for extensive operational demands, ensuring an efficient and intuitive imaging management system suitable for any medical environment.

DICOM Compatibility

Fully compliant with DICOM 3.0, GEMPACS ensures smooth integration with a wide range of imaging devices. It supports essential DICOM services like Worklist, Store, and Print for efficient and reliable image communication.



Why Choose GEMPACS?

01 Essential Image Management

- Secure storage and easy retrieval of medical images.
- Supports a variety of imaging modalities, including X-ray, CT, MRI, and ultrasound.
- Stable and reliable performance without unnecessary complexities.

03 Seamless Compatibility

- Fully DICOM 3.0 compliant for smooth integration with imaging devices.
- Supports basic connectivity with RIS & HIS to streamline workflow.
- Works seamlessly with DRGEM X-ray systems for optimized performance.

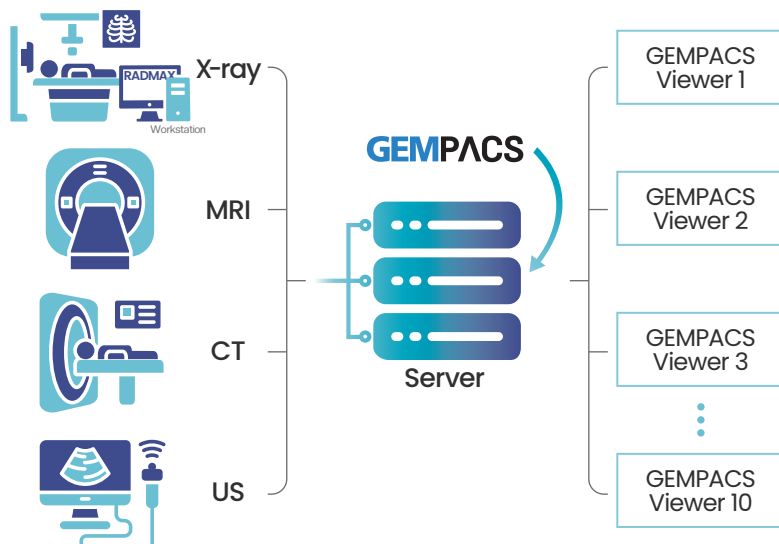
02 Simple & Efficient Workflow

- User-friendly interface with intuitive navigation.
- Quick access to patient images for faster diagnosis.
- Minimal learning curve, making it easy for any medical professional to use.

04 Practical & Cost-Effective

- Focuses on essential PACS functions and offers them at a reasonable price.
- Affordable licensing options tailored for clinics and hospitals.
- Low maintenance requirements, reducing long-term operational costs.

GEMPACS Configuration



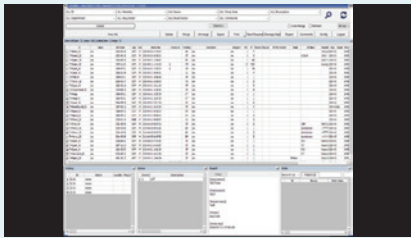
GEMPACS configuration effectively integrates with a range of imaging modalities, including X-ray, MRI, CT, and Ultrasound.

This versatile setup operates seamlessly across both dedicated workstations and robust servers, ensuring efficient data management and accessibility for multiple users via GEMPACS viewers.

GEMPACS Overview

Worklist Display

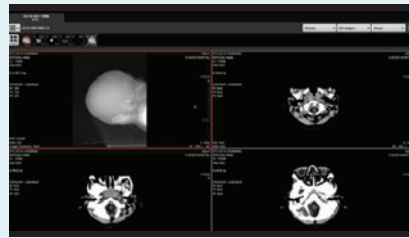
Streamlined Worklist



Easily manage patient studies with a streamlined interface designed for fast, efficient workflow.

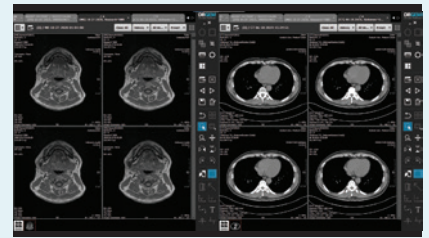
Image Display

User-Friendly Interface



Intuitive design ensures ease of use, even for first-time users.

Multi-Modality Support



Seamlessly view CT, MR, US, CR, DX, and other medical imaging types.

Reporting | Reporting Tools



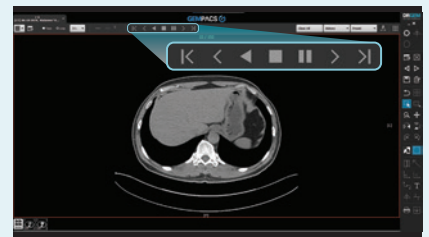
Generate reports quickly and accurately.

Flexible Layout Options



Customize display configurations to view one or multiple images simultaneously.

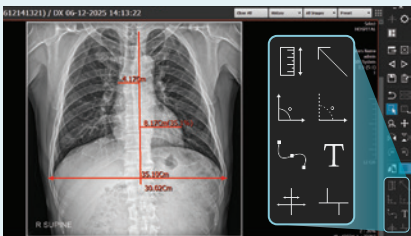
Multi-Frame Support



View a series of images as a continuous video for smooth and intuitive playback.

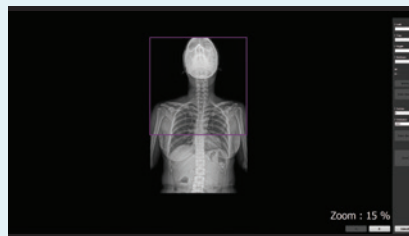
Image Manipulation (Tools and Techniques)

Intuitive Measurement Tools



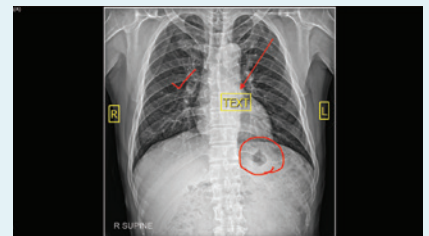
Quickly measure size, angle, or distance using built-in tools designed for precision and ease of use.

Advanced Image Functions



Perform image stitching and crop specific regions as needed.

Annotation

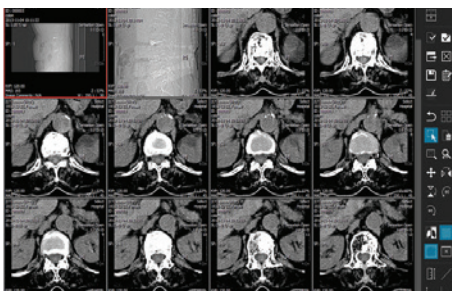


Draw custom lines and shapes freely for annotations and visual markers.

Flexible View Modes for Optimized Image Review

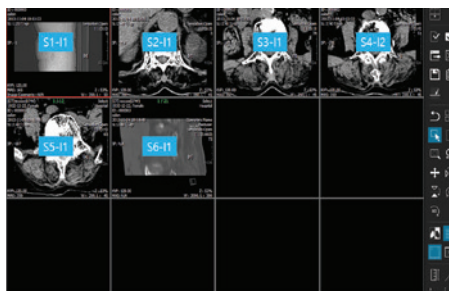
GEMPACS offers three intuitive view modes to enhance diagnostic efficiency and user preference:

Exam View



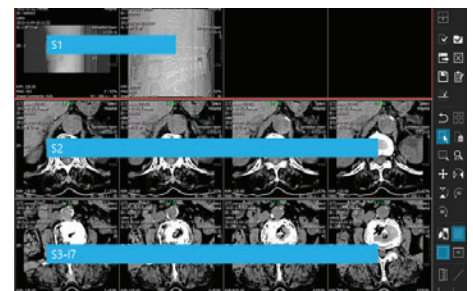
Displays the entire examination in a layout optimized for comprehensive review.

Stack View



Organizes images by series, enabling focused analysis of each anatomical set.

Series View

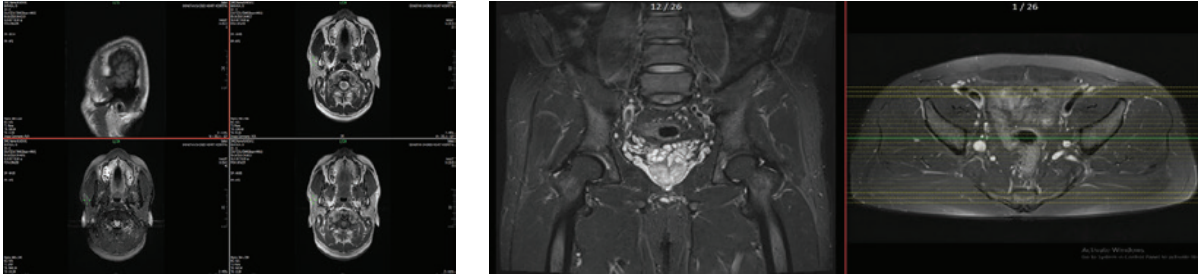


Arranges all images horizontally by series for streamlined comparison and interpretation.

Useful Tools for Confident Diagnosis

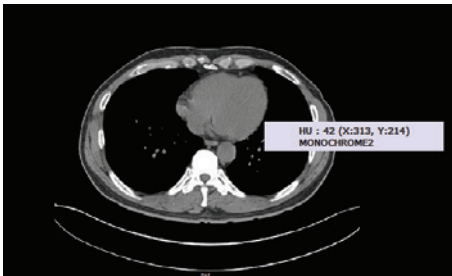
GEMPACS provides essential tools to support accurate and efficient image interpretation across modalities:

3D Cursor & Scout Line



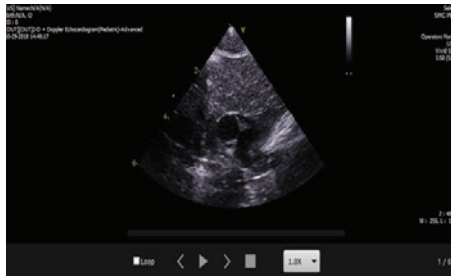
Synchronize cursor movements across multiple image planes or slices to precisely pinpoint anatomical locations and display reference lines that help identify matching positions across image slices or views, significantly improving spatial correlation and navigation accuracy.

Hounsfield Unit (HU) Display



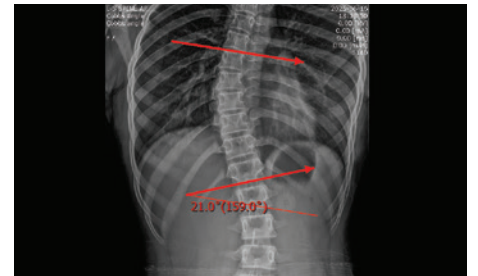
Instantly shows the HU value of a selected point in CT scans, supporting precise tissue characterization.

US Multi-Frame Playback



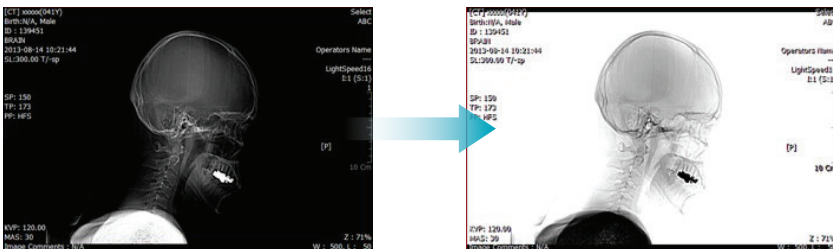
Enables uninterrupted and fluid review of ultrasound sequences with multiple frames.

Cobb's Angle Measurement



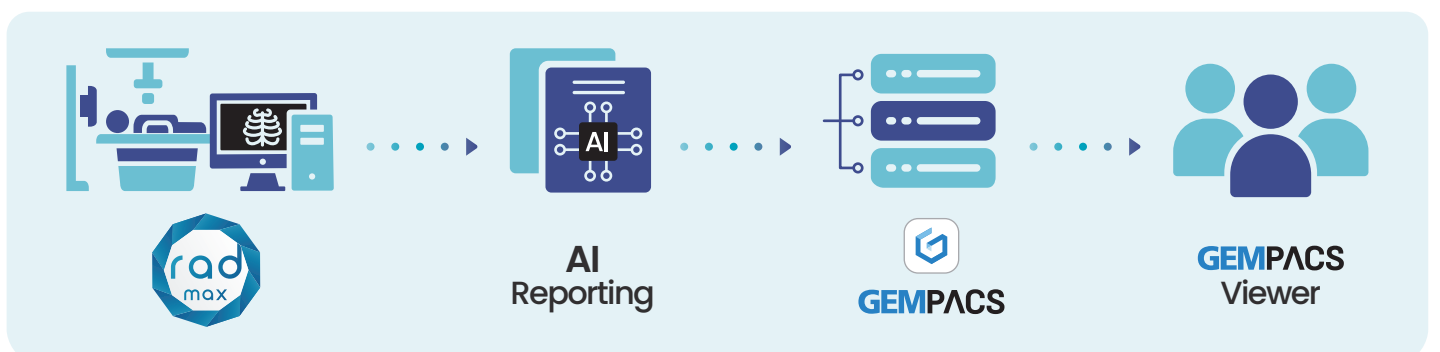
Automatically calculate spinal curvature for scoliosis assessment.

Inverse



Instantly invert black and white areas to improve contrast and enhance diagnostic clarity.

Chest X-ray Workflow



DRGEM

Your Best Healthcare

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DRGEM Service Community

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through Salesforce Service Cloud CRM