V A C S®

Video Archive and Communication System
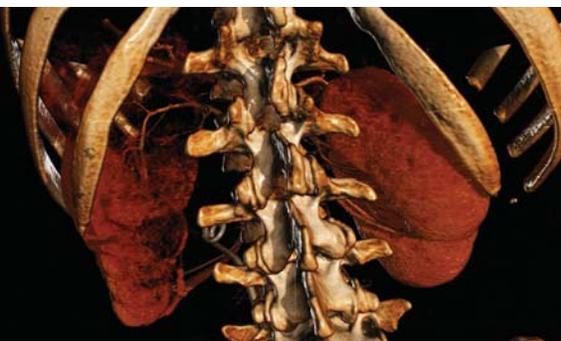
Secure Medical Video Collaboration

FSN
Medical Technologies
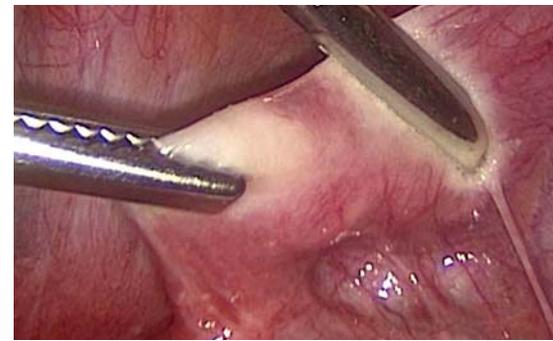
Leverage the power of pictures and video anywhere, anytime.

Improve diagnosis, treatment, and evaluation.

Self-managed image sharing and collaboration for every practice area.

Build a Video-Sharing Archive.

VACS allows users to upload, view, share, and comment on videos and images.

Video is part of our everyday lives. It's on our phones, on our computers, and in our homes. Video use in the medical field has grown as well, and presents a unique set of challenges for healthcare professionals. Today's hospital IT systems are required to manage increasing amounts of visual information.

There are patient concerns. Personal information must be secure and HIPPA compliant.

Medical video files are large. High definition formats can run for extended periods of time, creating massive file sizes. These video files can slow down common e-mail systems and playback methods.

There are issues of centralized archiving. Independent video files tucked away on thumb drives or in e-mail in boxes have no visibility for searching and retrieval.

Define

Set up authorized users and create patient folders in VACS.

Capture

Acquire high definition video or still images.

Automatically send, or drag and drop media into VACS patient folders.

Stream HD video in real-time to VACS.

Comment

Add comments to media in VACS. Patient records gain clarity with linked motion video and HD still images.

VACS maintains a history of all comments, shares, and folder changes.

V A C S ®

Each image file helps develop an ever-expanding visual library.

Presenting **V A C S** ®

VACS is part of a comprehensive visual information management solution offered by FSN Medical Technologies. VACS goes beyond basic video archiving and creates a powerful clinical networking and collaboration platform that is accessible to any authorized user.

VACS supports HD video, still images, DICOM, Word, Excel, and sound files. Capture & streaming devices can be configured to automatically link patient data to media files.

Categorizing content with descriptions, such as research, preparation, surgical procedure, review, or education, creates custom libraries of clinical information. Annotation and sharing tools allow open communication with colleagues. This enhances patient care, and complements existing EHR and PACS systems.

Example searches within VACS…

Dr. Johnson images
Emergency room images
Gastroenterology comments
July 23rd images
Patient Smith comments

Collaborate

- Access VACS with a PC, laptop,or handheld device.

- Share media with other VACS members.

- Search VACS for key words, post-procedural annotations, or dates.

- Share large files without worrying about e-mail delivery failures.

- Video is automatically optimized for the best playback method.
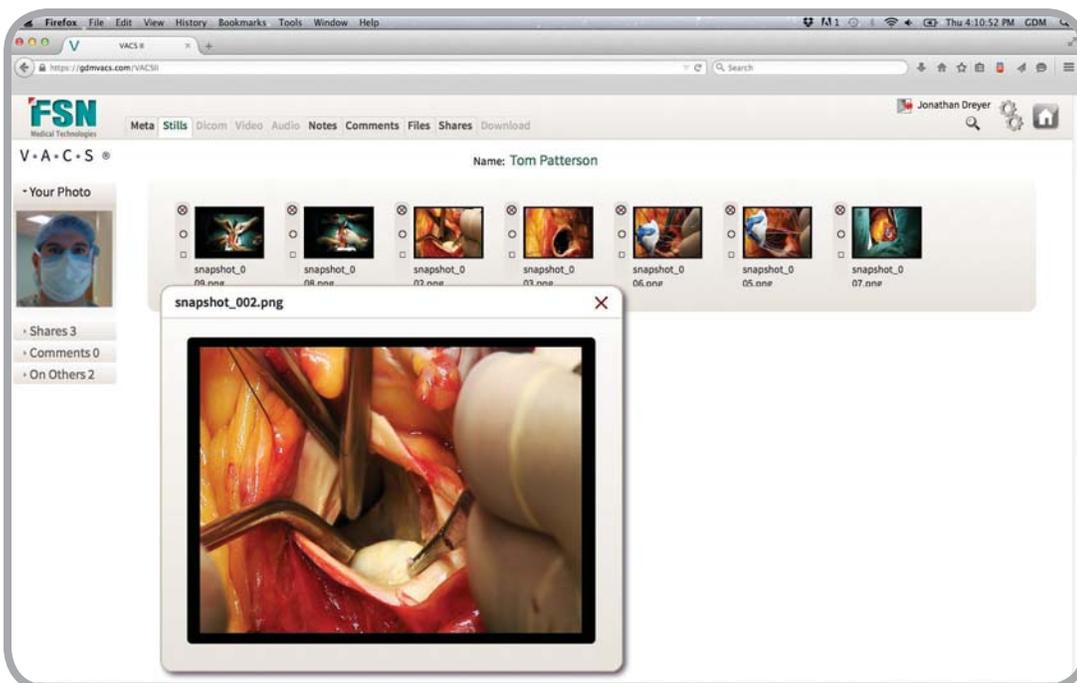
Shown left is a VACS patient folder containing still image files.

VACS is web based. Any authorized user with a device running a modern browser can login to VACS.

VACS®

Benefits for…

The Clinician

Record and share procedural HD video and still images.
Telemedicine capability on-demand.
Secure collaboration, workflow and networking.
Organized media files improves efficiency.

The Patient

Visual clarity within the patient record.
Easier explanation of clinical procedures.
Precise communication between specialists.

The Enterprise

Open collaboration environment.
HIPAA compliance.
Better planning and communication between departments.
Complements existing EHR and PACS.

The IT Group

Centralized storage and visibility of HD video and still images.
Automatic video optimization based on network capacity.
Eliminate burden on e-mail systems.

Specifications & Requirements

Item	Description
CPU	X86/64bit multi-core server CPU.
	16GB memory (RAM) minimum- 32GB recommended.
	1TB RAID 1 SSD minimum recommended.
IP bandwidth	100 Mb/s minimum recommended.
Remote access	VPN
Security	SSL certificates. Domain enforcement to assists in preventing attack. High-availability design. SSL/SSH based transport security. Inter and intra site VPNs. HIPAA compliance with auditing, logs, and encryption.

Item	Description
Client interface	Current major browsers: Firefox, Chrome, IE, etc.
Live capture	Streaming devices, such as VyNet video networks and IPS710A medical recorders, capable of secure upload via SCP/FTPS can be configured.
Total users	Determined by available hardware and network performance.

VACS installation specialists are avialable to assist with design and setup of VACS systems.

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