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Integrated Ultrasound



Enabling the Full Potential of Ultrasound

- Introduction
- Workflow Efficiency
- Diagnostic Confidence
- Reporting Accuracy
- Cost Effective
- Report Accelerator
- Ultrasound View
- Sonographer Q/C Tools
- Teaching File Tools
- Architecture
- Customer Support

Imorgon's software solutions are designed to bring ultrasound to its full potential while cost effectively advancing workflow efficiencies, ensuring diagnostic confidence and improving reporting accuracy.

Enabling Ultrasound's Full Potential

Imorgon's software solutions fundamentally improve the efficiency and diagnostic quality of ultrasound.

Imorgon's IntegratedUltrasound effectively reduces the time it takes for Sonographers and Radiologists to complete ultrasound exams and report important patient data.

Imorgon's innovative software solutions connect existing technologies to enhance workflow efficiency, ensure diagnostic confidence and improve reporting accuracy for better patient care and safety.



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Integrated Ultrasound

Workflow Efficiency	Diagnostic Confidence	Reporting Accuracy	Cost Effective
<p>Integrates Ultrasound with enterprise PACS</p> <p>Immediate access to clips with stills</p> <p>Numeric data auto-populates reports</p> <p>Sonographer Q/C tools</p>	<p>Clips play at true frame rates and run lengths</p> <p>Pre-fetching of relevant priors</p> <p>Convenient access to 3D/4D Advanced Diagnostics</p>	<p>Seamless transfer of numeric data from ultrasound system to report templates</p> <p>Eliminate paper forms with electronic forms</p> <p>Seamlessly transfer data from electronic forms to report templates</p>	<p>Fewer steps to complete ultrasound studies and reports</p> <p>Improved accuracy in reporting process</p> <p>Vendor neutral compatibility with ultrasound and dictation systems</p>

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Workflow Efficiency

Imorgon's IntegratedUltrasound solutions advance workflow efficiencies during and after the ultrasound procedure, saving key clinical resources and important healthcare providers' time.

Sonographer

Radiologist

Efficiency for the Sonographer

With Imorgon IntegratedUltrasound

STEP 1: Scan the patient; Store images and measurements; Store a picture of the calculation's package summary page

STEP 2: Fill out electronic worksheet; Add comments/observations of the study

STEP 3: End the study on ultrasound system; Images are sent to PACS; Electronic worksheet is immediately available to the reading physician

Without Imorgon IntegratedUltrasound

STEP 1: Locate proper paper worksheet for the exam

STEP 2: Scan the patient; Store images and measurements; Store a picture of the calculation's package summary page

STEP 3: Fill out paper worksheet; Add measurements as needed; Add comments/observations of the study

STEP 4: End study on the ultrasound system
Images are sent to PACS

STEP 5: Scan paperwork sheet into RIS, if required

STEP 6: Take worksheet to reading physician for consultation

IntegratedUltrasound enhances your workflow efficiency

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Workflow Efficiency

Imorgon's IntegratedUltrasound solutions advance workflow efficiencies during and after the ultrasound procedure saving key clinical resources and important healthcare providers' time.

Sonographer

Radiologist

Efficiency for the Radiologist

With Imorgon IntegratedUltrasound

STEP 1: Consult with Sonographer; review static images and interleaved clips

STEP 2: Dictate diagnosis

STEP 3: Review completed dictation prior to signing

Without Imorgon IntegratedUltrasound

STEP 1: Consult with Sonographer; review static images; Open clip review window and navigate to appropriate clips associated with static images, repeat clip search as needed

STEP 2: Using the paper worksheet, read each measurement into dictation system, correct as necessary

STEP 3: Using paper worksheet, dictate the sonographer descriptions of the study. Recheck accuracy

STEP 4: Dictate diagnosis

STEP 5: Review completed dictation prior to signing

STEP 6: Dispose of paperwork

IntegratedUltrasound enhances your workflow efficiency



Diagnostic Confidence

Diagnostic Quality needs more than just good images. It needs IntegratedUltrasound.

Quality and diagnostic accuracy are hallmarks of the care you provide to your patients; ensuring the best care for your patients can be enhanced by Imorgon's IntegratedUltrasound.

Imorgon's ultrasound-specific solutions ensure diagnostic quality and confidence by auto-populating the report templates with important data, showing clips and stills in the order of acquisition and providing important advanced diagnostic tools such as 3D/4D.

Imorgon Report Accelerator	Imorgon Ultrasound View	Sonographer Q/C Tools
<p>Transfer data seamlessly from the ultrasound systems to report templates</p> <p>Exchange paper sonographer forms for electronic forms that auto-populate report templates</p> <p>Eliminate transcription/dictation errors with auto-populated report templates</p>	<p>Get the full sonographer's story with interleaved clips and stills</p> <p>Seamless integration with enterprise PACS</p> <p>Intelligent pre-fetching of priors</p> <p>Accessibility to advanced diagnostic tools; 3D/4D</p>	<p>Quickly, split and merge studies, without help desk intervention</p> <p>Immediately correct; image label errors, patient name/ID errors and study exceptions</p> <p>Use electronic forms to seamlessly transfer data for auto-population of report templates</p>

With IntegratedUltrasound: Report Accelerator, Ultrasound View, Sonographer Q/C Tools, diagnostic confidence improves.



Reporting Accuracy

Imorgon's Report Accelerator improves reporting accuracy by auto-populating study data from the ultrasound system directly into the report template.

Assuring accurate information is entered into the dictation system report templates requires precision; this monotonous task is both time consuming and prone to error:

- **Dictation systems often struggle to recognize dictated numbers and associate study data**
- **Paper forms require precise transcription, legible handwriting and complete data sets**

Imorgon's Report Accelerator replaces paper forms with electronic forms eliminating the need to dictate numeric data and interpret handwritten data.

Transfer data seamlessly from the ultrasound system:

- **Seamless transfer to auto-populate the data fields into the dictation system report templates**
- **Eliminates the need for the radiologist to dictate numbers**
- **Improves accuracy and decreases the time to report results**

Replace paper forms with electronic forms:

- **Transfer data seamlessly from electronic forms into the dictation system report templates**
- **Electronic forms insure compliance to study protocols and complete data entry**
- **Electronic forms eliminate legibility problems**

Both of these features in Report Accelerator improve accuracy through appropriate use of technology, reducing the possibility of errors and the associated time for error remediation. The end results include shorter time to reports and improved reporting quality. Both of these benefits contribute to a higher quality of patient care.

With IntegratedUltrasound and Report Accelerator you improve reporting accuracy.

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Cost Effective

In times when everyone is being asked to do more with less, Imorgon's IntegratedUltrasound solution can save time and improve both diagnostic confidence and reporting accuracy, which results in a measurable savings.

Make Every Minute Count.

Radiologist	Sonographer	PACS/IT Professional
<p>Rapid study review due to integration with PACS Workstation</p> <p>No need to dictate numbers</p> <p>Auto-population of key data eliminates the need to dictate data or use paper forms</p> <p>No extra clicks - auto-playing clips and stills interleaved in acquisition order</p> <p>Integrated Access to advanced diagnostics for 3D/4D</p>	<p>Ultrasound measurements transfer seamlessly to the dictation system</p> <p>No paper forms requiring manual transcription</p> <p>Maintains the story you created with clips and stills interleaved in acquisition order</p> <p>Independent quality control without the need for IT support</p>	<p>Perpetual licensing for the Site or the Enterprise</p> <p>Respects current enterprise PACS technology and shares the existing PACS workstation hardware as a plug-in to the current system</p> <p>Reduces sonographer support requirements</p> <p>Small IT Footprint</p> <p>24/7 proactive monitoring reduces downtime</p>

imorgon Report Accelerator

Auto-populating Reports: Greater Accuracy in Less Time.

Imorgon Report Accelerator:

- Transfers measurement data seamlessly from the ultrasound system to the dictation system report templates, eliminating dictation of numeric data
- Electronic forms replace paper forms and data can also seamlessly transfer to the dictation system report templates
- Vendor neutral ultrasound and dictation system support
- Report Accelerator supports all ultrasound systems



Imorgon Report Accelerator



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Ultrasound View

The Sonographer Story Comes to Life: Enterprise PACS integration, clips and stills interleaved together, integrated 3D/4D, ultrasound measurement tools and in-progress review.



Imorgon Ultrasound View

- **Seamless integration with PACS**
- **Ultrasound clips and still images displayed in acquisition order on PACS viewing station**
- **Clips and sweeps facilitate anatomical orientation**
- **Same seat access to 3D ultrasound applications, prior studies and other modalities**
- **Ultrasound-specific measurement tools, in-progress review and automatic updates as images and clips are acquired**

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Sonographer Q/C Tools

*Critical Changes Made Easy. Perform your own study quality control without IT support.
Imorgon's IntegratedUltrasound technology makes corrections easy.*



With Imorgon's Sonographer Q/C Tools, you can easily:

- **Correct images that were mislabeled**
- **Correct patient name and ID on the images**
- **Correct study exceptions**
- **Split studies that were accidentally merged**
- **Combine a patient's exam done in two different rooms**

With Imorgon's Q/C Tools, you can independently perform quality control measures quickly and easily without waiting for IT support.

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Teaching & Presentation Tools

Teaching files and Anonymized Image Export

Sharing the good work you do helps expand the field of medicine and trains others for the future. Imorgon's file support organizes data you want to save for your weekly conferences, teaching, research or future presentations. These tools streamline your efforts to anonymize and save studies into file formats that you can use; .avi, .jpeg, .bmp, .tiff and DICOM. It all provides easy access, HIPPA compliance and the formatting that you need. These conveniences save you time to focus on the things that matter most - patient care.



Imorgon's Teaching File support provides:

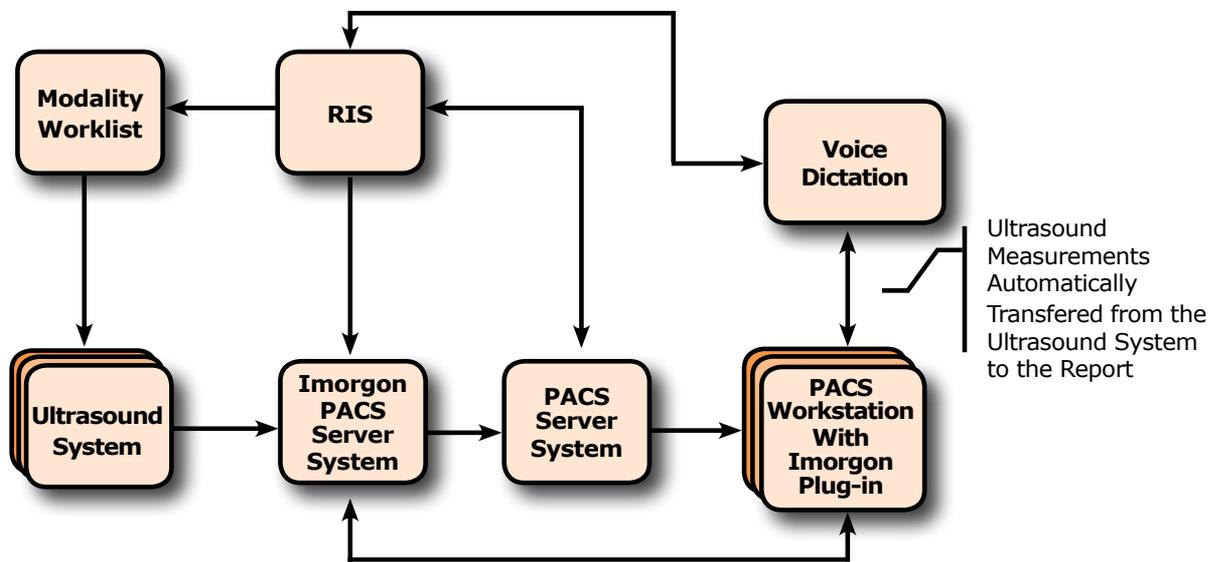
- **Easy organization: private or public folders with unlimited subfolders**
- **Images and clips saved in presentation-friendly formats (.avi, .jpeg, .bmp, .tiff and DICOM)**
- **Export DICO images for research**
- **Saved images & clips are automatically anonymized**
- **Perform custom field searches**

imorgon Architecture

Technology that Works. Seamless Integration with Your Systems.

Imorgon is integrated with multi-vendor, multi-system solutions and strict compliance with HL7 and DICOM standards.

- **Prefetching of relevant priors**
- **Local CACHE continuously optimizes local disk storage**
- **Proactive interaction with archive: Short Term Archive, Long Term Archive**
- **Mirrored servers support seamless fail over**



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Customer Support

Customer Service: Support – When You Need It

Imorgon believes in partnerships. When you purchase Imorgon's software, you gain a support team to help ensure your expectations are met and your needs are fully supported.

Customer support:

- **24/7 call support**
- **Proactive monitoring**
- **99.99% uptime**
- **Customer CarePedia website**
- **Rapid remote support**
- **Customized on-site training**

Support – is there when you need it. Imorgon becomes your partner ensuring you achieve your ultrasound's full potential.

Contact Information:

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www.imorgon.net