



Corporate and Product Background

Imorgon Medical is a privately held health care company providing intuitive, wholly integrated solutions that empower diagnostic ultrasound to deliver the highest quality of patient care. The company was founded in 2006 by industry veterans, who believed that the protocols and workflow for reading ultrasound studies in Radiology Picture Archive Communication Systems (PACS), required significant improvement to meet the unique needs of ultrasound imaging.

The Solution

Diagnostic ultrasound imaging provides nonparallel, color images and dynamic clips to convey patient exam information; however, PACS best supports modalities with static, parallel, grey-scale images such as MRI, CT and digital X-ray. To address this gap, Imorgon's team of experts developed the **Imorgon Ultrasound Enhancement System™**, a new solution that restores ultrasound-specific functionality that Radiology PACS does not support. As a result, Imorgon is successfully bringing diagnostic excellence back to ultrasound.

How it Works

Specifically, the Imorgon Enhancement System seamlessly integrates with enterprise PACS workstations, and the system's harmonization engine provides vendor-neutral compatibility with all major medical ultrasound systems and dictation systems. As a result, the Imorgon System is able to display ultrasound images and clips in interleaved, acquisition order with clips automatically playing; it automatically transfers measurements and calculations from the ultrasound exam to the radiology report; and it enables radiology departments to fully leverage their ultrasound technology investment and ultimately deliver higher levels of patient care.

Benefits

With the Imorgon System, sonographers can perform exams more easily utilizing the Sonographer Quality Control (Q/C) tools. Sonographer findings are automatically added to diagnostic reports, and paper worksheets are replaced with electronic worksheets that auto-populate report templates with exam observations, thereby eliminating redundant dictation. The Q/C tools eliminate confusion, errors and time-consuming IT workarounds. Ultrasound dynamic clips and still images can be easily displayed on the PACS viewing station where all of the clips and still images remain interleaved in acquisition order. In other words, the "patient's ultrasound story" is told the way it should be; in the order the exam was performed.

The Imorgon System can interface to any ultrasound system capable of sending DICOM Structured Report (SR) data. It parses the data from the ultrasound system and transfers it into the voice recognition/dictation system templates. Because the data from the ultrasound system passes through Imorgon's harmonization engine before it's transferred into the report template, it ensures that all data originating from different models of ultrasound systems will appear in a uniform format.

Since its first installation, the Imorgon Ultrasound Enhancement System has proven to streamline workflow efficiencies and ensure diagnostic accuracy, resulting in significant cost savings. This clinical economic advantage is achieved by saving time for both the sonographer and the radiologist. The reduction in time spent on non-patient care activities, such as handling paperwork and dictating numbers, are now automatically populated into the patient's record.

The Company

Imorgon Medical has an impressive customer base with more than 100 installed locations including world-renowned medical centers and teaching hospitals throughout the United States. Imorgon is headquartered in Redwood City, Calif. Additional information may be found by visiting www.imorgon.net.

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