

Healthcare Tech OUTLOOK

CONNECTING THE HEALTHCARE TECHNOLOGY COMMUNITY

MEDICAL IMAGING SOLUTIONS SPECIAL OCTOBER - 2017 HEALTHCARETECHOUTLOOK.COM

Top 10 Medical Imaging Solution Providers - 2017

The enormity of changes in the field of medical imaging technology is hard to fathom. These changes range from new policies, legislations to novel use cases and innovations in technology. The diagnostic imaging technology market continues to witness a number of trends, which are a move towards patient-centric radiology and value-based imaging. The richness of measurable parameters has taken medical imaging beyond organ anatomy and pathology into the realms of physiology, pharmacology and cellular and molecular biology.

The frenetic pace of change in healthcare today creates challenges of its own. Such challenges come in a myriad of forms, from new policies and legislation to novel use cases

to new technology innovations. Yet, especially in technology innovation, several key trends are emerging in new modalities, mobile, the Internet of Things (IoT) and big data that hold the promise of significant positive impacts for radiology professionals. As we look ahead, exciting trends in medical imaging will continue as the impact of mobile applications, the IoT, big data analytics and new modalities continue to unfold.

In this edition of Healthcare Tech Outlook, we present to you "Top 10 Medical Imaging Solution Providers - 2017" which will have a vital impact on medical imaging, and include new modalities, imaging techniques, information technology, processes and workflows.



Company:
Nautilus Medical

Description:
Provide intuitive medical imaging products to cut costs, save time and streamline workflow

Key Person:
Timothy Kelley,
Founder

Website:
nautilusmedical.com

Nautilus Medical Medical Image Sharing Simplified

Ever since Nautilus Medical opened its doors, the company has focused on easing the challenges around data security, interoperability, ease-of-access in handling and sharing of medical images and reports in a cost-effective manner. Enabling seamless portability and exchange of medical images across the healthcare community, including hospitals, practitioners, acute care hospitals, inpatient rehabilitation facilities, and even patients, Nautilus improves healthcare coordination for better patient outcomes. Built on peer-to-peer technology,



Timothy Kelley

Nautilus' agile medical information exchange solutions utilize hardware signatures, key strokes, and mouse movements to create unique private keys that ensures foolproof data security. The company's million-dollar insurance policy for information security is the testimony to its security prowess.

“With the anonymization and editing capabilities, our solutions are apt for secondary and primary review, consensus, clinical decision making, and academic training

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With built-in routing, editing, and anonymization features, Nautilus improves communication between caregivers and patients. Prior to sharing the images, healthcare practitioners and specialists can scan pathology and radiology reports, ultrasound forms through a paper scanner or flat bed scanner and convert these files to DICOM and then transfer to DICOM folder. Utilizing the 'print to DICOM' feature, they can print documents of various types as a DICOM file into a patient folder via MatrixRay print driver. Further, the company curtails the data importing challenges by scanning the images from CDs and importing them to the DICOM folder. In case of non-DICOM images, the users can convert other formats such as JPEG2000, to use them. The routing feature streamlines the transmission of files to specific workstations or PACS accurately. "With the

anonymization and editing capabilities, our solutions are apt for secondary and primary review, consensus, clinical decision making, and academic training," highlights Timothy Kelley, Founder, Nautilus Medical.

Nautilus offers solutions such as AutoRay, DeskRay, and MatrixRay that cater to the diverse needs in the healthcare arena. If a medical operation requires burning of CDs and DVDs, then AutoRay excels as the best option for automated burning of CDs with EPSON robotic disk producer. DeskRay, on the other hand, supports unlimited

burning of medical images on a desktop.

For administering a large image distribution, Nautilus' MatrixRay emerges as the optimal choice as it transfers images at a pay-per-use basis, thus eliminating the need for capital investment. As a free software, MatrixRay allows users to send or burn a medical study for just \$1, and can be installed in a minute across a wide spectrum of healthcare facilities. "MatrixRay serves a very large underserved market due to expensive image transfer implementations," notes Kelley. The cloud native solution delivers ease of data storage and access and nullifies the need to burn CDs. While adhering to the global DICOM file format standards, MatrixRay imports and converts DICOM and non-DICOM images. The users can also utilize its in-built functionality to burn the data on CDs and DVDs if the need arises. As this data is not stored, it is safe from breaches and hacks.

As an expert in image distribution, Nautilus excels in solving challenges related to sharing ultrasounds with new mothers. Through BebeVue, the company allows ultrasound files to be converted to mp4 format and stored in the cloud in a non-diagnostic format. The new mothers can share these files with their loved ones on the social media.

"We are unique in the fact that we are not an engineering company as much as a design company first. This gives us the competitive edge of designing products that are impressive as we overlay a layer of simplicity on top of complex processes," says Kelley. Having presence in 20 countries across four continents, Nautilus aims to foray into underserved markets across the globe, streamlining medical image transfer while unleashing the potential of DICOM to reduce healthcare cost and ultimately saving lives. **HT**