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DIACAP Certified, Cardiology PACS Connects Global USAF

Secure web technology being implemented in over 250 flight medicine clinics worldwide, provides efficient, immediate oversight capability for the cardiac health of USAF personnel.

Los Altos, CA – August 15, 2012 - The United States Air Force Aerospace School of Medicine Aeromedical Consultation Service (ACS) at Wright-Patterson AFB, (USAFSAM/ACS) provides timely disposition for all cardiac related disqualifying abnormalities of Rated Aviators. Recent additions to the ACS ECG Library Archive provide a secure mechanism to transmit cardiac exams from flight medicine clinics (FMCs) worldwide to the ACS central repository for interpretation, reporting and disposition.

To support the global mission of keeping qualified pilots in the air, the ACS partnered with one of the world's leading providers of cardiology PACS, ScImage, Inc. of Los Altos, CA.

ScImage previously installed PICOM Enterprise, a DIACAP Certified (DoD Information Assurance Certification and Accreditation Process), cardiology PACS. Integrated with other custom applications at the ACS, the solution supports clinical reporting and monitoring of personnel found to have significant cardiac abnormalities. For data integrity and workflow intelligence, the system supports the ability to automatically verify demographic, order data and rated aviator status from the Military Personnel Data System (MilPDS). To provide system extensibility, the installation has the ability to seamlessly integrate with other vendor's Picture Archiving and Communication Systems (PACS) using industry standard communication protocols.

Current enhancements support authorized FMC personnel, using secure PICOM web technology, to send ECGs, document imaging, echocardiography, cardiac catheterization and cardiac CT imaging to the USAF ACS for primary assessment. Significantly, first-generation raw DICOM information is encrypted and securely transmitted, providing protection for Private Personal Information (PPI). The system also offers comprehensive support for non-DICOM (legacy) systems.

With this web enabled PACS solution from ScImage, ACS physicians report their observations electronically. Now, highly trained Air Force aviators can be rapidly evaluated and avoid costly delays caused by the previous practice necessitating travel to the ACS for evaluation and/or potential field-based flight-status disqualification which required further evaluation by the ACS.



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As the central library matures, ACS will have the foundation of a complete cardiology record-set, consisting of imaging, reports and discrete test data for all rated aviators; including an ECG library reaching back nearly 60 years. This extensive volume of data will provide the USAF with profound research capabilities, all from one database.

The company's "PICOM" trademark denotes Patient Information and Communication in Medicine, which expands on the DICOM concept of Digital Imaging and Communication in Medicine.

About ScImage

Founded in 1993, ScImage, Inc. is a privately held company headquartered in Los Altos, California. ScImage is a global leader in the development of advanced medical imaging and workflow solutions for radiology, cardiology, orthopedics, obstetrics and electronic medical record content management. As a true enterprise PACS company, ScImage's mission is to provide a shared infrastructure solution for all imaging intensive departments throughout the healthcare enterprise.

At the center of ScImage's technology is PICOM, a web service technology that works independent of data types, modalities and departments to seamlessly deliver multi-modality image and information management, multi-PACS archiving, Cloud PACS services, offsite disaster recovery and telemedicine functionality. For more information about ScImage and the PICOM family of products, visit their website at www.scimage.com or call 1-866-SCIMAGE.

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