GateKeeper

PenRad's Secure Cloud Communication Ecosystem

PenRad's GateKeeper technology is a web-server based on .Net Core 3.1 running on Alpine Linux, all deployed using Docker and Kubernetes.

In **PenRad**'s cloud-based Software as a Service (SaaS) offerings, every communication channel inherit SSL / TLS 1.2 authentication and encryption.

PenRad's clients can be assured they have the ultimate in cloud based security with our **PenWeb**, **PenXpress**, **PenForms** solutions.

PenForms on-premise microservice inherits its security from the Cloud deployed **PenRad**. It does not require it's own DNS name or SSL certificate to be secure, or any ports open the on-premise firewall.

PenForms communicates with the SQL database. It is not a web-server from a security and communication perspective, it a microservice client with our ecosystem.

PenRad

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Cost effective. Forget the expense and burden of CAD to get density only, plus it varies between vendors.

* The proprietary algorithm of image comparison is licensed by PenRad from Statlife, Math for Medicine. Various articles reflect a 2 to 6 fold increase in breast cancer risk values between dense and fatty breasts.

With minimal costs, and full automation, get updates remotely from patients' on their risk factors, classifying the high-risk real-time.

Identify high-risk patients for screening, and needs for 3D, CEM, MRI, US, and those that genetic testing is applicable; automatically calculated from the patient's medical and risk data.

The Tyrer Cuzick algorithm factors the breast density from last exam as well as patient's and familial cancer history to calculate breast cancer risk values

Do more with PenRad solutions.

PenRad and **PenTrac** for full featured breast clinic automation system for professional productivity.

With **PenXpress**, allow your patients to remotely update their medical and risk factors, and other information with **PenForms**, streamlining check-in.

PenLung for automating Lung LDCT and Non-LCSR data collection and tracking. Includes an extensive COVID dataset, Lung-RADS and CO-RADS.

PenAlert for automating tracking of all radiology exam types for findings and patient result notification.

Interested in other mobile solutions for increased productivity and patient satisfaction? Call us now!