

# PenALERT

## **Radiology Alert Management System**

PenRad applied its Machine Learning Technology Ecosystem used in PenTrac and PenLung to second check all radiology reports for concerning and incidental findings.

PenAlert identifies key pair elements findings from dictated radiology reports via an HL7 results feed.

This semi-automatic process creates a tracking profile for concerning findings for each patient imaging exam.

Concerning exams are flagged as unresolved, providing a worklist for immediate action, and patient follow up.

PenAlert also identifies patients that require surveillance and/or enrollment in Lung CT and Mammography programs.

Automated processes facilitate optional patient exam letter combinations (in patient preferred language): business appreciation, notification of concerning abnormalities (in laymen terms), in-network patient referral list of specialists by specified concerning abnormalities, and future follow-up imaging.

Secure email and/or mail ready correspondence for exam and reminders are supported.

Letter templates can incorporate contact info for: ordering physician, navigator and facility, all in the patient's preferred language - automatically.

### **Administrative reports provide:**

Feedback to ordering physicians, radiologists and navigators on status of exam resolution.

Concerning findings data are tracked for appropriate use criteria, and value base care incentive programs.

**Tracks specified primary concerning findings along with optional finding refinement categories.**

Brain • Thyroid • Lung • Heart • Breast • Liver  
Gallbladder • Stomach • Spleen • Small Bowel  
Pancreas • Kidney/Adrenal • Appendix • Colon  
Rectum • Bladder • Ureters • Ovary • Uterus • OB  
Prostate • Vascular • Bone • Joint • Spine/Disc  
Spine/Vert • Soft Tissue • Other

**PenAlert offers these features and more:**

Extensive statistical administrative reports with itemization by findings, by radiologist and ordering physician.

Offers alerts for specialists, ordering physician, and educational opportunities for patients.

Exam result, reminder and past-due letters are sent directly to the patient by mail, into EMR portal, or direct email.

Non-compliant patients list auto-generated for failed return for follow-up.

Reduces liability, identifies patient exams with concerning findings, tracks exams to resolution.

Facilitates recording keeping of all correspondences.

Log files archived for increased HIPAA compliance.

Integrated Nurse navigator monitors patient progress.

US based 24/7 support and upgrades.

**PenAlert compliments of our two core products:**

**PenRad & PenTrac:** for breast imaging and procedures, facilitating tracking, administrative and audit needs for MQSA and data submittal for NMDB.

**PenLung:** for tracking, audit and administrative needs for LDCT lung screening program for data submittal to ACR registry.

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