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Analysis and Improvement of Wasted Film

Author : Kyung Mo Chung, Chin Shin Ahn

Institute : Department of Diagnostic Radiology of Seoul National University Hospital

In order to establish reasonable concept and background on repititive films, we analyzed factors due to wasted films grouping into three major factors as
1) artificial factor from exposure and positioning
2) mechanical factor as mechanic error and jamming
3) study related factor as Qc test and further study

Somehow, we admitted expense loss for a study or improving Image Quality in a positive side. Used total film is 158231 sheets in a quater of 1998, some of them, wasted film is 2919 sheets (1.8%).
Most of factors are artificial mistake (69.5% : 2025 sheets), mechanical error(26.9% : 784 sheets), QA/PM and further study(3.5% : 103 sheets).

In April, 1998 we changed and re-made wasted film analysis code by changing business management, so, we classified largely 3 parts.
One, a mistake due to carelessness (accused by operation, patients and related workers)
Two, error by all mechanical problems or wasted film due to irritable patients
Three, positive loss of film of film for Quality Improvement(et : QA, further study)

We tried to figure out this problem of wasted film.
The methods are statistics of wasted film cost, fall-off movement one sheet a day and continuous personal statistics.
As we were careful of using film, next month we realized that it is necessary to have Continuous Quality Control Improvement (CQI) by showing result of remarkably decreased cost loss due to wasted film.

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PRESENTING AUTHOR

Surname ___CHUNG___   Title (Prof/Dr/Mr/(Mrs)/Ms) Given Name ___KYUNG MO___
Department ___Dept of Diagnostic Radiology___ Institution ___Seoul National University Hospital___
Address ___28 YeonKeon-Dong JongRo-Gu___
City ___Seoul___ State___Korea___ Post Code___110-744___ Country___Korea___
Telephone* ___82 - 2 - 760 - 2112___   Facsimile* _____
Email _____
*Country + Areas/City Codes required.

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