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Reduce the Retake Rate of X-ray Examinations in the Department of Medical Imaging

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Abstract

According to statistics, the average re-take rate of routine radiography from January to March 2020 is 6.41%. Using the method of quality control circle, the main reasons for re-take were divided into "poor positioning", "foreign body", "patient agitation", "poor breath retention", "insufficient breathing" and "wrong item conditions". After referring to the literature and brainstorming by the circle members, according to the principle of three occurrences and True Cause Verification, a total of 18 improvement countermeasures were drawn up in 6 countermeasure groups.

The countermeasure groups content 1."well positioning",2."without foreign body",3."stand still",4."well breath retention",5."sufficient breathing",6."right item conditions". After the implementation of the countermeasures, the re-take rate of X-ray radiography decreased from 6.41% to 3.43%. The result is to reach No.1 and become the benchmark in the industry. In the future, we will continue to implement and improve the implementation of countermeasures.

Keywords: x-ray examinations、retake rate、quality control circle

降低影像醫學科常規攝影檢查重照率

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摘要

統計2020年1~3月本科常規攝影平均重照率為6.41%。透過品管圈手法將主要重照原因分為「擺位不佳」、「體外異物」、「病人躁動」、「閉氣不佳」、「吸氣不足」及「項目條件錯誤」。經圈員們參考文獻與腦力激盪，根據三現原則、真因驗證，擬定6個對策群組共18項改善對策。包含對策群組1.神龍「擺位」、對策群組2.「異」不容辭、對策群組3.「靜」善「靜」美、對策群組4.不怕英雄氣短、對策群組5.告別雞同鴨講、對策群組6.望「成」莫「急」。對策實施後，X光影像重照率從改善前6.41%降低至3.43%。改善成果達到業界第一，並成為同儕標竿水準，未來將持續落實及精進對策的實施。

關鍵詞：常規攝影、重照率、品管圈