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论著

数字乳腺X线机的质量保证

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摘要：

目的：提高数字乳腺X线机的工作质量，减少误、漏诊。方法：通过线束半值层的测量、腺体平均剂量、管电压的准确性与重复性、辐射输出4个方面来进行质量保证。结果：图像对比度、图像模糊度、图像噪声都得到了优化。结论：数字化乳腺机经过质量保证，各性能参数的变化都保持在允许范围内，提高了摄影质量。

关键词： 数字乳腺X线机 线束半值层 腺体平均剂量 质量保证

Quality assurance of digital mammography X-ray system

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Abstract:

ObjectiveTo improve the performance quality of mammography X-ray system, and to decrease misdiagnoses. MethodsQuality assurance was tested and controlled from such aspect as measurement of half value layer,beam quality assessment, breast entrance exposure average glandular dose, tube tunsion accuracy and reproducibility, and radiation output.ResultsThe image contrast, mistiness and noise were optimized.ConclusionWith the quality assurance of the digital mammography X-ray system, the variations of the performance parameters remain in the range of permission, thus improving the quality of mammography.

Keywords: digital mammography X-ray system;half value layer beam;average glandular dose;quality assurance

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