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Title	A comparative study of digital x-ray software and detectors
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### Abstract

This paper aims to evaluate and compare the image quality among software and indirect detectors. The phantom images were acquired from combined setups between two detectors, three exposure techniques, and three software, where one of the software has a virtual grid application. Images were graded individually by three observers for high contrast resolution, low contrast-detailed detectability, and the number of separable step wedges. The strong agreement among observers was confirmed using Kendall's W. There are remarkable differences in image quality with software; however, the difference appears to be slight with detector models. Images processed with a virtual grid have a noticeable better contrast resolution from visual inspection.