Author's response to reviews

Title: Decision Theory Applied to Image Quality Control in Radiology.

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Version: 4 Date: 24 September 2008

Author's response to reviews: see over
September 24, 2008.

Dear Melissa Norton,

We are resubmitting the study entitled “Decision Making Theory Applied to Image Quality Control in Radiology” for your consideration as an original research article to be published in BMC Medical Informatics and Decision Making. All reviewers’ questions were answered and the suggestions certainly improved the present manuscript.

The manuscript reports a specific formulation of Decision Theory applied to quality control of radiographic films. We have simulated the theoretical constructs based on real datasets. The results show evidence that it is possible to minimize the risk of accepting a non diagnostic image for clinical use. This work also represents a concrete application of the guidelines set by experts at the International Commission of the European Communities – ICRU, recommending this specific approach as the most promising way to manage Image Control in Radiology.

Truly Yours,

Patrícia Silva Lessa, PhD.