



Mammography Display Technology and Quality Control

Alain Gauvin, M.Sc., MBA, FCCPM, DABR, DABMP, CIIP

The technology of medical displays in the context of their use in mammography will be described, in particular the emergence of the use of color for this class of displays. The aging process of such systems and its implication on quality control will also be explained. Current and future areas of research will be discussed.

The rest of the presentation will be dedicated to mammography display quality control. Following a discussion about the concept of perceptual linearization and its psychometric origin, detailed quality control methodology as based on the newly published report of AAPM task group 270 (which replaces TG18) will be presented. The new patterns, limits and other elements of the report will be discussed.