

A TRAINING TOOL ON THE EVALUATION OF CORONARY ANGIOGRAPHY STUDIES

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An updated and simplified set of quality criteria for coronary angiography images was developed by the SENTINEL Cardiac Group as to be used for an objective evaluation of the coronary angiography studies (CA). In addition to that a software tool allowing an automatic computational score to be made was designed to quickly assess the image quality content of a sample of coronary angiography images collected in most of SENTINEL partner cardiac centres.

The set of criteria and the software tool have been adopted to evaluate a sample of coronary angiographies, collected in SENTINEL cardiac centres, by three experienced cardiologists. The 30 CA studies and the cardiologist evaluation results have been taken as a database for the development of a training tool to assist cardiologists in training in the evaluation of CA quality.

The training tool provides to the user some randomly selected CA studies for an evaluation using the developed clinical and technical criteria and scoring system.

When an evaluation session is completed the software provides to the user a comparison of the evaluated scores against the mean scores assessed by the experienced cardiologists.

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