PROGRAM OF QUALITY CONTROL IN MAMOGRAPHY IN THE STATE OF GOIÁS: EXPERIENCE OF 11 YEARS

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Objective: To evaluate the results of the last ten years of a Mammography Quality Control Program in Goias (PCQMGO). **Methods:** The unit of observation was the Diagnostic Centers (CD), which performed mammography in the state of Goias, from 2007 to 2017. The structure data were collected and tests were performed to evaluate the image quality, the equipment performance parameters and the radiation dose applied in the examinations. **Results:** In 2007, PCQM-GO 103 equipment was registered, 24% of which were CR-type digital and 76% were conventional. In 2017, 197 CDs were registered, of which 160 were in operation, with 164 equipment, 87% of which were digital CR type and 3% DR type, and 10% were conventional. It was observed that, during the period evaluated, 37 CD discontinued mammography. Initially, the technical parameters that presented improvement due to the quality control action were related to the adjustments of the breast compression force, the Automatic Exposure Control device and the alignment of the compression tray. In the last evaluation, 87.3% of the CDs showed compliance in image quality, 71.8% in the Simulator Input Dose and 72.2% in the tension accuracy. **Conclusion:** Experience in the execution of the Program showed that it is possible to maintain greater quality and risk control in mammography.