

original abstract form**Suppression Technics for Mammography****Author** : Meoung Mi Jang, Chin Shin Ahn, Seon Hee Kim, Kyung Mo Chung, Yong Woo Lee**Institute** : Department of Diagnostic Radiology of Seoul National University Hospital

There is patient's complain, problem of mammography, with increasing mammography every year. We tried to find out how much the pain can be decreased through power of compression, number of compression and change of study style with having maintain existing good image quality.

We examned power of compression(15-20kgf), number of processing compression (one time, four or five times) and converted style of mammography (formal speaking-behavior concerned patient care sweet attitude) and we analyzed the answer of question-nair we inspected change of image quality within usual image quality through radiologist. Also, we classified re-studied film, analyzed reasons and checked the factors that decrease the pain.

1) For first groups (200 patients), we compared sweet attitude (A:100 patients) with formal speaking-behavior concerned study (B:100 patients) a reaction of A is 46% for pain, whereas, a reaction of B is 53% for pain. 2) In this case, for second group, we compared number of processing compression (A:100 patients-directly compression with speed, B:100 patients-compression with slow speed and divided process) a reaction of A is 65% for pain, whereas, reaction of B is only 32% for pain. 3) For third group(100 patients), we converted power of compression. When we increased the power of compression (6-20kgf), only 50% apealed the pain. 4) In re-studied film, as artificial factors are 79.6%, some of them, we collected statistics main reasons(64%) are mistake in dark room.

The method that can decrease the compression pain is a kind and sweet attitude to relax the tension than formally stricted attitude. Also, a number of compression, divided process of compression, can decrease the pain than directly compression. Though we compressed stronger than usual, we could get result not to feel difference between usual power of compression and stronger of one, through sweet speaking-behavior and multi-process compression. If we don't solve the problem of artificial factors with best machine and technique, we can't improver quality of medical service.

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Email _____

*Country + Areas/City Codes required.

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