

Utility of Fine Needle Aspiration Cytology in Evaluation of Breast Lesions

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ABSTRACT:

Objectives: FNAC (Fine needle aspiration cytology) of the breast lesion is a simple, cost effective and less traumatic screening procedure that is valuable for distinguishing non-neoplastic lesions from neoplastic lesions. The aim of the present study was to correlate cytological findings with histopathological findings and to determine the accuracy of FNAC in the diagnosis of breast lesions. **Methods:** A Retrospective study of total of 200 breast aspirates from January 2015 to May 2015 in pathology department, of B.J.M.C. civil hospital Ahmedabad was done and Histo-cytological correlations were obtained in 80 cases. **Results:** The statistical analysis showed high sensitivity (92.1%) and specificity (100%) of FNAC in breast lesions, with Positive Predictive Value (PPV) and the Negative Predictive Value (NPV) being 100% and 93.33% respectively. The diagnostic accuracy was found to be 98.5%. **Conclusion:** FNAC of breast is simple, cost effective and less traumatic method for diagnosis of breast lesions. It can be carried out safely as a preoperative diagnosis method on OPD basis. It is a highly sensitive and specific method so it can be recommended for the diagnosis of suspicious breast lump.

Keywords: Breast lesion, Breast lump, FNAC.

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