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	Diploma
Thesis Title	A ComparativeStudyabout the diagnostic accuracybetween FNAC and Histopathological Examinationof Breast Mass in Middle Age Group Women at Al-Russafa Hospitals
Year	2016-2017
Abstract	**Background:** Globally, the triple assessment of women with breast mass that included clinical examination, mammography or ultrasonography and fine needle aspiration cytology is representing the best choice for early diagnosis. **Aim of study:** To assess the accuracy of fine needle aspiration cytology for diagnosing breast mass among middle aged women admitted to three hospitals in AlRussafa Health Directorate duing the year of 2016 in comparison to histopathology. **Patients and methods:** A cross sectional review study conducted in three hospitals of Russafa Health Directorate (Al-Elwiya Maternity Teaching Hospital, Al-Aamal Hospital and Al-Kindy Teaching Hospital) in Baghdad through the period from 1st of January to 30th of June, 2017. A convenient sample of one hundred women with breast mass admitted to these Hospitals.The data were collected from records of women diagnosed with breast masses and referred to fine needle aspiration cytology and biopsy. **Results:** The validity results of fine needle aspiration cytology for diagnosis of breast malignancy in comparison to biopsy were sensitivity (85.9%), specificity (86.1%), +ve predictive value (91.6%), -ve predictive value (77.5%) and accuracy (86%). **Conclusions:** The fine needle aspiration cytology has an acceptable validity measures in differentiating between benign and malignant breast mass but with relatively higher false positive and false negative results.