

## Report of preliminary experience of the prone table stereotactic breast core biopsy at the King Fahad National Guard Hospital

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PAJO, December 2010, 3(4): 36-39

### **Abstract**

A report of 18 months experience of using the prone table stereotactic breast biopsy equipment (Lorad Multicare Platinum Hologic Company) is made to share our experience including successes and failures. Out of 5,462 breast examinations involving diagnostic and screening population, 85 patients with American BI-RADS (Breast Imaging and Reading Data System) 3 to 5 micro-calcifications or non-palpable masses provided the material for the study. Six to 10 cores were obtained and confirmed for the presence of microcalcification and subsequently sent for histopathology.

Seven out of the 85 patients were cancelled due to various reasons. Out of the 78 that were successfully biopsied, 17 patients were positive for malignancy. The overall positive rate was 22% and 100% for all BI-RADS 5 cases and these are within the international standard. No significant complications.

In conclusion, the prone table stereotactic biopsy equipment is easily used with the training of the mammographic staff on the purchased machine. The procedure has resulted in the reduction of the invasive localization surgical biopsy. However, in unsuccessful cases, localization surgical biopsy remains imperative for BI-RADS 4 and 5 cases. Seemingly a significant number of mammographic examinations would be needed in the institution to merit the presence of the stereotactic core biopsy equipment.