

## Ultrasound Guided Fine Needle Aspiration Cytology (FNAC) Study of Intra Abdominal Mass Lesions

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### ABSTRACT

**Introduction:** Fine Needle Aspiration Cytology (FNAC) is an interpretative art with histopathology as its scientific base. Ultrasound Guided Fine Needle Aspiration is safe, simple and efficient procedure to reach the door step of accurate diagnosis for intraabdominal mass lesions. **Materials and Methods:** A retrospective study was conducted at tertiary care teaching center, Ahmedabad. Cases were studied between January 2011 to August 2015. Total 100 cases were studied in which FNAC was done for intra abdominal mass lesion under ultrasound guidance. 95% alcohol fixed smears were prepared for Hematoxylin and Eosin (H & E) stain and PAP stain and air dried smears were prepared for May- Grunwald- Giemsa (MGG) stain. The lesions were divided into Inflammatory and Benign, Malignant, Suspicious for Malignancy and Unsatisfactory for interpretation categories. **Results:** Total 100 cases were studied in which FNAC was done for intraabdominal mass lesion under ultrasound guidance. There were total 37 inflammatory and benign cases against 56 malignant cases. 4 cases were unsatisfactory. So, they were excluded. 3 cases were under category of suspicious for malignancy. In present study predominantly male patients were affected. Majority of cases were present in the age group of 30 - 60 years. **Conclusion:** USG guided FNAC is a rapid, cost effective, accurate, non-invasive and a safe diagnostic procedure which can be conveniently used in various intra abdominal mass lesions.

**Key words:** Ultrasound, FNAC, Intra abdominal mass lesions

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