

Discover Our Comprehensive Diagnostic Services

At BioDynamics Lab, our diverse range of services is designed to meet the diagnostic needs of our clients with precision, innovation, and care.

- 1 General Histopathology and Cytopathology
- 2 PAP test and Gynecologic Pathology
- 3 **Image guided Fine Needle Aspiration Clinic**
- 4 Dermatopathology & Skin Biopsy Clinic
- 5 Pathology Lab Ancillary Tests (IHC & Special Stains)



Image guided Fine Needle Aspiration Clinic



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The Histopathology & Cytopathology Services offered under Med Marine Lab (by MedCell) are operated by BiodynamicsLab.™

Introduction

The Fine Needle Aspiration (FNA) procedure at BioDynamics Lab represents a pinnacle of minimally invasive diagnostic techniques, offering swift and precise results. Conducted under ultrasound guidance, this method is the method of choice for evaluating nodules, cysts, and masses within the thyroid gland, salivary glands, lymph nodes, breast, soft tissues, and beyond.

Executed by our expertly trained and qualified cytopathologists, the FNA procedure benefits from the precision of ultrasound imaging to ensure accurate needle placement. The addition of the Rapid On-Site Evaluation (ROSE) technique enhances the process, allowing immediate assessment of the collected samples. This innovative approach not only streamlines the diagnostic process but also significantly improves the accuracy of the results, providing patients and healthcare providers with crucial information for timely and effective treatment planning.



FAQ'

Why Choose FNA Over Core or Resection Biopsy?

Fine Needle Aspiration (FNA) is a safe, minimally invasive procedure that provides rapid and accurate results for tumor analysis. It does not require anaesthesia, surgical stitches, or special preparations. Patients can resume their daily activities immediately after the procedure, experiencing only a needle prick similar to that of a blood test sampling.

How Long Does It Take to Receive an FNA Result?

Most FNA results are released within 24 hours of the procedure. Occasionally, a sample may require specialized ancillary tests, extending the timeframe to 2-4 working days before results are released.

What Are the Advantages of Cytopathologist-Performed Ultrasound-Guided Aspirations?

- Significantly reduces "inadequate results" to almost non-existent. This is achieved by skilled pathologist with radiological training and the implementation of ROSE technique.
- Enables on-site sample triaging, allowing fresh tumor cytology samples to be used for immunocytochemistry or other ancillary tests, such as flow cytometry, microbiology, or genetic testing.
- Minimizes attempts to acquire an adequate sample, resulting in less patient discomfort.

Is the Procedure Done Under Image Guidance?

Yes, all our FNA procedures are conducted under top-of-the-line ultrasound guidance, operated by our trained cytopathologists.

Is FNA Painful?

FNA is generally not painful. Patients might experience minimal pressure discomfort, not lasting more than 5 seconds, while the sample is acquired using a fine needle and cold spray.

