MOLECULAR
DIAGNOSTICS AND THERAPY

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Understanding
USG Small Parts



What is USG Small Parts?

USG Small Parts, or Ultrasound of Small Parts, is a non-invasive imaging technique that can be used to assess superficial organs, tissues, and structures near the skin's surface. Based on clinical requirements, it produces high-frequency sound waves, thus creating detailed visualization of organs such as the thyroid gland, salivary glands, lymph nodes, small organs, etc.

Why is it Performed?

USG Small Parts may be indicated if the superficial tissues are abnormally swollen, painful or have lumps when there is no indication of the cause, or if the cause is unknown. May be used to aid in determining the size, shape, structure and internal features of the area being examined; may be used to help identify cysts, solid masses and enlarged lymph nodes, fluid accumulation and inflammation.

Preparation

- Usually, no special preparation or fasting is required.
- Wear comfortable clothing that allows easy access to the area being examined.
- Inform the medical team about any previous surgery or treatment involving the area.

Procedure

The patient is placed in a comfortable position, and ultrasound gel is placed on the area to be examined. The transducer is placed on top of the skin, and a detailed image of the underlying tissues and structures is then obtained and examined. The sonographer views the area from various angles and looks to determine the size, shape, composition, and adjacent tissue of the area.

Important Instructions

- Keep the area being examined relaxed and follow the positioning instructions.
- Inform the sonographer if the area is painful or sensitive.
- Bring previous imaging reports for comparison, if available.

Safety Precautions

Based on high-frequency sound waves, USG Small Parts is a harmless, non-ionising system. Used broadly with no difficulties by qualified personnel in appropriate conditions for ultrasound signals. The exam will not be painful and will cause no unusual discomfort. Patients should alert the medical team to any medical history or medical condition that may be relevant before the exam or one that is unlikely to be faced by them.

When to Seek Medical Attention?

When swelling becomes sudden or severe, or you develop signs of infection, you should seek immediate medical attention, as it needs to be assessed. Appropriate medical management is provided at the earliest possible time due to early evaluation, which helps to identify the underlying cause. At Molecular Diagnostics and Therapy, we use cutting-edge ultrasound equipment and the correct technique to conduct USG Small Parts, which is supervised by experienced personnel. The accuracy of the images is emphasized, as well as the meticulous review of the evaluation, patient safety, and comfort during the evaluation.