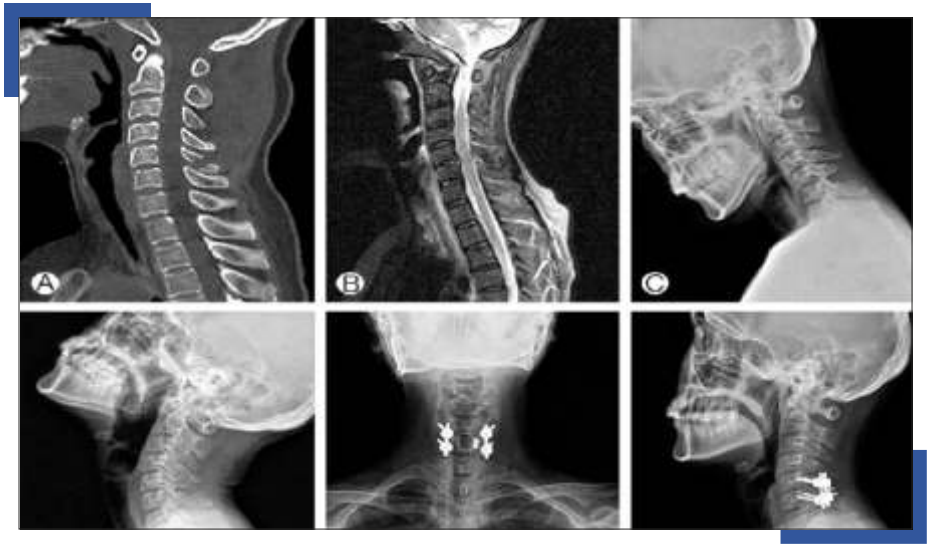
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DIAGNOSTICS AND THERAPY
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Understanding
CT 3D (One Part)



What is CT 3D (One Part)?

CT 3D (One Part) is a computed tomography procedure that utilizes X-ray imaging to provide a detailed view of a particular region of the body. This noninvasive procedure produces three-dimensional images that allow the physician to see the bones, as well as the scanned tissues in depth. The body part that will be scanned is determined by the physician's prescription.

Why is it Performed?

Your physician may recommend a CT 3D (One Part) scan to examine fractures, dislocations, bone deformities, and other conditions. The three-dimensional nature of the image produced by this scan allows a better understanding of the observed part. The images from this procedure can be used to diagnose and provide treatment for a number of conditions.

Preparation

- Inform the imaging team if you are pregnant or think you may be pregnant.
- Carry your prescription and previous imaging reports, if available.
- Remove jewellery or metal objects near the area being examined.
- Inform the staff about recent injuries, previous surgery, or difficulty remaining still.

Procedure

The patient is placed on a table depending on the part of the body that needs to be scanned. The X-ray beam rotates around the patient to obtain a comprehensive view. The computer then processes the images to produce a set of three-dimensional images of the body part. The patient is expected to remain still during the procedure to prevent motion artifacts. A standard contrast medium is not administered unless the physician recommends it.

Important Instructions

- Remain still during the scan.
- Inform the staff if you experience discomfort or have difficulty maintaining the required position.
- Share relevant medical history and previous scan reports.

Safety Precautions

CT scans generally involve a low dose of radiation to ensure that the images obtained are clear and diagnostic. It is advisable to inform the radiologist if there is a possibility of being pregnant. The CT 3D (One Part) scan should be performed based on the physician's prescription to ensure that the procedure is appropriate and essential.

When to Seek Medical Attention?

Consult a physician if the patient has been subjected to extreme pain or discomfort and restricted movement, especially after an injury to the affected body part. The findings of a CT scan should be interpreted by a licensed physician together with the patient's symptoms, and treatment should be administered based on the findings. Molecular Diagnostics and Therapy offers guidance and support in the diagnosis and treatment of various conditions.