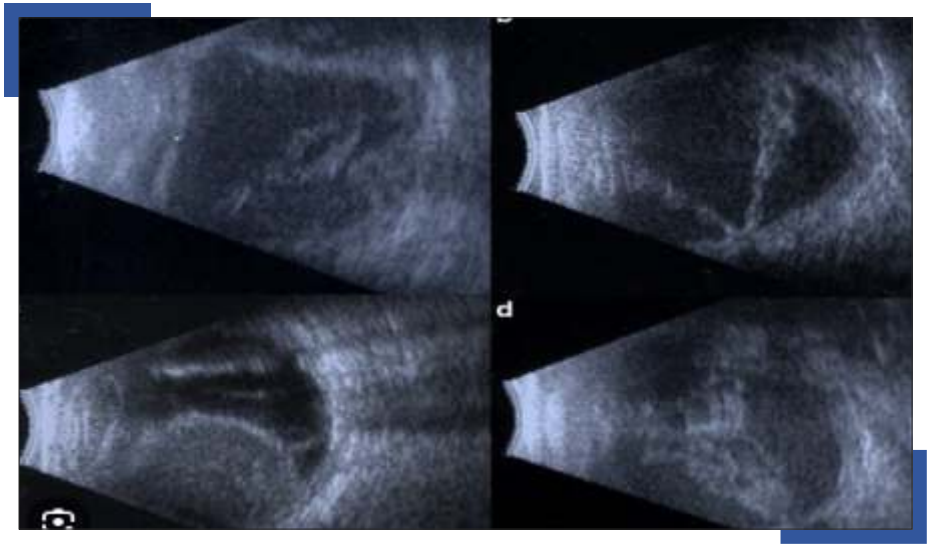
MOLECULAR
DIAGNOSTICS AND THERAPY

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Understanding
USG B-Scan Both Eyes



What is USG B-Scan Both Eyes?

Ocular B-Scan Ultrasonography (also known as USG B-Scan Both Eyes) is an imaging examination, done without any surgery or incisions, which is used to assess the internal structures of both eyes. Uses sound waves at high frequencies to produce 2-D images of the eye and surrounding tissues. When other difficulties, like cataract, vitreous haemorrhages, or other ophthalmological conditions that obscure the light passing through the inside of the eye, do not allow the other traditional eye exams to be performed properly, the scan is particularly useful.

Why is it Performed?

USG B-Scan Both Eyes can be requested to check or verify abnormalities in the vitreous, retina, and other parts of the interior of the eye. Infections (e.g., retinal detachment, vitreous haemorrhage, PVD, intraocular mass, or foreign body) are usually easily diagnosed. The test may be suggested following eye injury, or if the doctor wants to know more about the inside of the eye that cannot be seen during a yearly eye exam.

Preparation

- Usually, no special preparation or fasting is required.
- Carry previous eye examination reports or relevant imaging records.
- Inform the medical team about any eye pain, redness, or sensitivity.

Procedure

The patient is then repositioned so his or her position feels comfortable; if the closed-eyelid fashion of scanning is being used, an appropriate "coupling gel" is placed on the closed eyelid or a proper scanning probe cover is used (depending upon the fashion of scanning). A handheld ultrasound probe fits comfortably in or over the eyelid (or as indicated in the protocol). The images created inside the eye visually represent the interior structure of the eye as the sound waves change. Various probe positions and eye movements will be used to examine various locations. Does not usually cause pain and is not based on the use of ionising radiation.

Important Instructions

- Keep the eyes relaxed and follow the instructions provided by the sonologist.
- Report any discomfort or sensitivity during the scan.
- Bring previous ophthalmic reports for comparison, if available.

Safety Precautions

The sound waves used in USG B-Scan do not rely on the use of ionizing radiation. It is very safe if done correctly by an ocular ultrasound technician. Extra attention is needed for positioning, particularly regarding recent eye surgeries and injuries.

When to Seek Medical Attention?

If vision goes suddenly, there will be some flashes of light, and suddenly many floaters, or a curtain-like shadow in sight, there will be lots of eye discomfort or redness of eye, need immediate eye care and treatment. These symptoms may herald a condition or issues requiring prompt attention by an eye physician. Molecular Diagnostics and Therapy applies the appropriate ocular ultrasound technology under trained, professional supervision to create a USG B-Scan of both eyes. During this examination, the doctor is able to take clear pictures of the inner structure of your eyes to ensure identification of any abnormalities and/or improvement in the image, saving lives and improving comfort for the patient.