



# M.H.DIAGNOSTIC CENTRE

EXCELLENCE IN DIAGNOSTICS

NO:1/B, ISHAQUE PET, FIRST STREET ( BANK STREET)  
MELVISHARAM-632 509.

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Patient Name: **Mr. demo**  
Sex / Age: **Male / 25**  
Referred By: **Dr. Syed Shaikh**

Report ID: **7**  
Sampling Date: **11/6/2024**  
Report Date: **11/6/2024**

Test Name	Result	Reference Range	Unit
<b>BIOCHEMISTRY</b>			
Anti ( TPO )Anti Microsomal / Thyroperoxidase Antibody	15		IU/mL

CLINICAL INFORMATION:n\* Thyroperoxidase (TPO) is an enzyme involved in thyroid hormone synthesis, catalyzing the oxidation of iodide on tyrosine residues in thyroglobulin for the synthesis of triiodothyronine and thyroxine (tetraiodothyronine). n\* Anti-TPO antibodies activate complement and are thought to be significantly involved in thyroid dysfunction and the pathogenesis of hypothyroidism.n\* Values above 60 IU/mL generally are associated with autoimmune thyroiditis, but elevations are also seen in other autoimmune diseases.n\* In patients with subclinical hypothyroidism, the presence of thyroperoxidase (TPO) antibodies predicts a higher risk of developing overt hypothyroidism ,it raises the concern that sech patients may be at increased risk of developing other auto immune diseases, such as adrenal insufficiency and type 1 diabetes.n\* Moderately increased levels of thyroperoxidase (TPO) antibodies may be found in patients with non-thyroid autoimmune disease such as pernicious anemia, type 1 diabetes, or other dis orders that activate the immune system.

End of the Report

Doctor

Lab Technician



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