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REVIEWER'S REPORT

Manuscript No.: IJAR-58094

Title: Assessment of Cardiovascular Risk in Cases of Hypothyroidism: A Hospital-Based Observational Study.

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		Good		
Techn. Quality	Excellent			
Clarity		Good		
Significance	Excellent			

Reviewer's ID: Dr. Sumathi

Detailed Reviewer's Report

- Hypothyroidism, or an underactive thyroid, is a condition where the thyroid gland fails to produce enough hormones, causing the body's metabolism to slow down. It typically leads to fatigue, unexplained weight gain, and cold sensitivity. The most frequent cause is the autoimmune disorder Hashimoto's disease.**
- Cardiovascular risk represents the probability of experiencing a heart attack, stroke, or other heart-related event over a specific period (usually 10 to 30 years). It is calculated using clinical factors like age, cholesterol, and blood pressure to guide lifestyle changes and preventative treatments.**
- Dyslipidemia is an imbalance of lipids (fats) in the blood. It most commonly involves high "bad" cholesterol (LDL), high triglycerides, or low "good" cholesterol (HDL). Often causing no symptoms, it significantly increases your risk for cardiovascular issues like heart attacks and strokes.**
- The Framingham Risk Score is a sex-specific clinical algorithm that estimates an individual's percentage chance of developing cardiovascular disease (like a heart attack or stroke) within the next**

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- 10 years. It is widely used by healthcare providers to guide early preventative treatments, such as cholesterol-lowering therapies.
5. Autoimmune thyroid diseases occur when the immune system mistakenly attacks the thyroid gland, disrupting hormone production. The two most common forms are Hashimoto's disease (leading to an underactive thyroid) and Graves' disease (leading to an overactive thyroid). They are primarily managed with hormone replacement, medication, or sometimes surgery.
 6. An autoimmune disease is a condition where your immune system mistakenly attacks your own healthy body tissues. Instead of just defending you from harmful invaders like viruses or bacteria, your system gets confused and damages your organs, joints, or skin.
 7. Dyslipidemia is an imbalance or abnormal amount of lipids (fats) in your blood. It typically involves having high "bad" cholesterol (LDL), low "good" cholesterol (HDL), or high triglycerides. Left untreated, it builds up plaque in your arteries, significantly increasing the risk of heart attacks and strokes.
 8. Key words are excellent
 9. Abstract is given meaningful
 10. For results should be given graphs for values.
 11. Summary points also be added.
 12. References should be with alphabetical order.
 13. Alignment must be needed.
 14. After those changes good to publish in your journal.