

REVIEWER'S REPORT

Manuscript No.: IJAR-58260

Title: THYROID DYSFUNCTION IN PATIENTS TREATED WITH ANTI-HCV ORAL DIRECT ACTING ANTIVIRAL THERAPY.

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

1. Daclatasvir (formerly sold under the brand name Daklinza) is a direct-acting antiviral medication used in combination with other drugs (such as sofosbuvir) to treat chronic Hepatitis C (HCV). It functions as an NS5A inhibitor to stop the Hepatitis C virus from multiplying in the body.
2. Hepatitis C is a bloodborne viral infection that causes liver inflammation. If left untreated, it can lead to severe complications like cirrhosis and liver cancer. Fortunately, the virus is now easily curable with 8 to 12 weeks of direct-acting antiviral (DAA) medications, which boast a success rate of over 95%.
3. Hyperthyroidism is a condition where the thyroid gland produces too much thyroid hormone. This excess "overdrives" your metabolism, leading to rapid or irregular heartbeats, unintentional weight loss, nervousness, and heat sensitivity.
4. Hypothyroidism, or underactive thyroid, occurs when the thyroid gland doesn't produce enough thyroid hormones to meet your body's needs. This causes your body's metabolism to slow down, leading to

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symptoms like persistent fatigue, weight gain, cold intolerance, dry skin, and constipation.

5. Sofosbuvir is a direct-acting antiviral medication used in combination with other drugs to treat chronic Hepatitis C virus (HCV) infections in adults and children aged 3 years and older. It acts by inhibiting the viral RNA polymerase, preventing the virus from multiplying.
6. Thyroid dysfunction occurs when the butterfly-shaped gland in your neck produces too much hormone (hyperthyroidism) or too little (hypothyroidism). Diagnosis requires a blood test to measure your TSH, T3, and T4 levels, which can be ordered by local endocrinologists.
7. An Anti-HCV test detects antibodies your immune system creates to fight the Hepatitis C virus. A positive result means you have been exposed to the virus, but it cannot differentiate between an old, cleared infection and a current, active one.
8. Antiviral therapy uses prescription medications to manage, stop, or slow viral infections. Unlike antibiotics (which target bacteria), antivirals do not destroy their targets; instead, they inhibit specific stages of the viral life cycle—such as entry, replication, or release—helping your immune system fight off the infection.
9. Key words are good but can be added more words.
10. Abstract and methodology parts are good.
11. But result part should be with clear tables and graphs.
12. Discussion points can be added more
13. Summary points also be included.
14. References should be with alphabetical order.
15. Research topic is medicinally very grateful.
16. After those changes good to publish in your journal.