

REVIEWER'S REPORT

Manuscript No.: IJAR-58338

Title: A CASE CONTROL STUDY OF HAEMOGLOBIN LEVEL IN CHILDREN AGED 2 YEARS TO 5 YEARS WITH A LOWER RESPIRATORY TRACT INFECTION IN A TERTIARY CARE CENTRE.

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	Excellent			
Significance	Excellent			

Reviewer's ID: Dr. Sumathi

Detailed Reviewer's Report

1. A lower respiratory tract infection (LRTI) is an infection affecting the airways and lungs below the vocal cords, such as the trachea, bronchi, and alveoli. Common types include pneumonia, acute bronchitis, and bronchiolitis. Symptoms typically feature a deep, mucus-producing cough, fever, shortness of breath, and chest discomfort.
2. Haemoglobin (Hb) is an iron-rich protein found in red blood cells that transports oxygen from your lungs to the rest of your body and returns carbon dioxide to the lungs to be exhaled.
3. Anemia is a condition where your body lacks enough healthy red blood cells or hemoglobin to carry adequate oxygen to your tissues. It causes fatigue, weakness, and shortness of breath. Diagnosis involves a blood test, while treatments range from dietary changes and supplements to medical procedures.
4. Iron deficiency anemia is a condition where a lack of iron prevents your body from producing enough hemoglobin, the protein in red blood cells that carries oxygen. It causes extreme fatigue, pale skin, and shortness of breath. Treatment relies on iron supplements and

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identifying the underlying cause, such as heavy menstruation or gastrointestinal bleeding.

5. A serum ferritin test measures the amount of this protein in your blood, which directly reflects your body's total iron reserves. Normal ranges typically fall between 15–307 ng/mL for women and 24–336 ng/mL for men, though slight variations exist depending on the laboratory.
6. Normal hemoglobin levels for children aged 2 to 5 years typically range between 10.2 g/dL and 14.2 g/dL. Generally, a hemoglobin level below 11.0 g/dL is used by pediatricians as the threshold to define anemia in this age group.
7. A respiratory tract infection (RTI) is any infectious illness affecting the airways, sinuses, throat, or lungs. Caused by viruses or bacteria, these infections are highly contagious and spread primarily through inhaled droplets or contact with contaminated surfaces. They are generally categorized into two main types.
8. Key words are good
9. Abstract is given excellent with significant points.
10. Result part is very impressive with tables and graphs.
11. Methodology part is very clear to understand.
12. Conclusion and summary points should be given.
13. References can be made with alphabetical order.
14. After a small changes good to publish in your journal.