

REVIEWER'S REPORT

Manuscript No.: IJAR- 58937

Title: Artificial Intelligence in Orthodontics: Current Applications and Future Directions — A Narrative Review.

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. Artificial intelligence (AI) is the ability of computer systems to perform tasks that usually require human intelligence, such as learning, reasoning, and problem-solving.
2. Artificial intelligence (AI) is the ability of computers and machines to do tasks that usually need human thinking, like learning, solving problems, and making choices.
3. Machine learning is a branch of artificial intelligence that teaches computers to learn from data and make predictions without explicit, step-by-step programming.
4. Deep learning is an advanced subset of machine learning that uses multi-layered artificial neural networks to automatically learn complex patterns and representations from massive amounts of data.
5. Orthodontics is a specialized branch of dentistry that diagnoses, prevents, and treats misaligned teeth and incorrect bite patterns, also known as malocclusions.
6. Cephalometrics is the scientific measurement of the head using standardized side-profile (lateral) X-ray images. Dentists and

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orthodontists use it to measure the jaw, teeth, and skull bones, helping them diagnose bite problems, plan braces or jaw surgery, and track facial growth.

7. Clear aligners are custom-molded, transparent plastic trays that apply gentle pressure to gradually straighten teeth as a discreet alternative to traditional metal braces.
8. Artificial intelligence in orthodontics uses computer systems and machine learning to analyze dental scans, plan treatments, and track patient progress.
9. Key words are excellent.
10. Flow chart of significant points with tables are good. But only given theoretical part. Can be made result and discussion part.
11. Summary points also be added.
12. References should be with alphabetical order.
13. After those changes good to publish in your journal.