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REVIEWER'S REPORT

Manuscript No.: IJAR-59793

Title: Space Regainer's in Pediatric Dentistry: A Review Article on Conventional Appliances and Contemporary Digital Advances.

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. **A space regainer is an orthodontic appliance used to recover lost arch space so an unerupted permanent tooth can grow into its proper position.**
2. **Premature loss of primary teeth occurs when a baby tooth falls out or must be extracted significantly earlier than its normal shedding timeline. Typically, baby teeth begin shedding naturally around age 5.5 to 6, starting with the lower front teeth. Losing a tooth early can disrupt jaw growth and cause neighboring teeth to drift into the empty gap.**
3. **Interceptive orthodontics (also called Phase 1 orthodontics) is an early, proactive dental treatment that guides jaw growth and corrects bite or spacing issues in children while they still have a mix of baby teeth and permanent teeth (the "mixed dentition" stage)**
4. **Mixed dentition space analysis is a clinical evaluation used during the transitional stage (typically ages 6 to 12) when primary and permanent teeth coexist. It compares the space available in the dental arch with the space required for the permanent teeth to erupt**

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properly, helping clinicians decide whether to monitor, use space maintainers, regain space, or plan serial extractions.

5. **Space maintenance is a preventive dental procedure that uses a custom oral appliance—called a space maintainer—to hold open the gap left when a child loses a baby tooth too early. Keeping this space open stops neighboring teeth from drifting into the gap and allows the permanent adult tooth underneath to erupt in the right position.**
6. **Molar distalization is an orthodontic technique that moves back molar teeth (toward the back of the mouth) to create space in the dental arch. It is commonly used to treat a Class II malocclusion (overbite or "buck teeth" relationship), relieve mild-to-moderate crowding, or make room for impacted or unerupted teeth without needing tooth extractions.**
7. **Space regainers are specialized orthodontic appliances used in pediatric dentistry to recover arch length and push displaced permanent teeth back into their proper alignment. They are utilized when a primary (baby) tooth is lost prematurely, causing adjacent teeth—such as the first permanent molar—to drift or tilt into the empty space and block erupting permanent teeth.**
8. **Home appliances have evolved from standalone mechanical machines into interconnected, AI-driven systems that automate household chores and optimize energy use. While conventional appliances rely on manual controls and fixed cycles, contemporary models integrate Internet of Things (IoT) sensors, machine learning, and voice assistants to adapt to daily routines.**
9. **Key words are good.**
10. **Significant points are good.**
11. **Result part can be made graphs for values.**
12. **Summary points also be included.**
13. **References should be with alphabetical order.**
14. **Abstract part is awesome with meaningful. But in this part alignment must be needed.**
15. **After those changes good to publish in your journal.**