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| Book Name: | [**Science and Technology: Developments and Applications**](https://www.bookpi.org/bookstore/product/science-and-technology-developments-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4337** |
| Title of the Manuscript:  | **Virtual Articulators in Contemporary Prosthodontics: A Comprehensive Overview** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This manuscript is significant for the scientific community as it provides a comprehensive overview of virtual articulators (VAs) in prosthodontics, highlighting their technological advancements, clinical applications, and comparative advantages over traditional mechanical articulators. By synthesizing recent literature, the study offers valuable insights into how VAs can enhance accuracy in occlusal surface design and improve patient outcomes, thereby contributing to the ongoing evolution of digital dentistry. Furthermore, it addresses the challenges associated with adopting this technology, fostering discussions on potential solutions and future research directions.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **The title is clear and relevant** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **The abstract is well-structured and provides a clear summary of the manuscript. However, a few improvements could make it more comprehensive:*** **Add specific quantitative or qualitative findings (e.g., success rates, accuracy percentages, or patient outcomes) from studies to strengthen the "Results" section.**
* **Mention the specific types of clinical scenarios (e.g., full-mouth rehabilitation, complex occlusal corrections) where VAs are most advantageous.**
* **Briefly include potential future advancements in the "Conclusion" to highlight the direction of research and application.**
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| **Is the manuscript scientifically, correct? Please write here.**  | **The manuscript is scientifically accurate and aligns with current evidence on virtual articulators.** **The only minor issue is the need to emphasize the clinical implications of dynamic occlusion analysis more explicitly in certain sections.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Consider adding recent articles on:*** **Advances in CBCT and intraoral scanning for virtual articulators.**
* **Integration of artificial intelligence in occlusal analysis.**
* **The impact of VAs on clinical efficiency and patient satisfaction.**
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| Is the language/English quality of the article suitable for scholarly communications? | Yes, the language is clear |  |
| Optional/General comments | Consider expanding the discussion on the **cost-effectiveness** of VAs, especially in comparison to mechanical articulators, to provide a balanced perspective for clinicians considering this technology. It would be helpful to include **visual aids** (e.g., diagrams or flowcharts) to illustrate the workflow of virtual articulators or comparisons between mechanical and virtual systems.Discuss the **training requirements** and potential strategies for overcoming the learning curve in more detail, as this is a key limitation. |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** |
| Name: | **J.Brintha Jei** |
| Department, University & Country | **SRM Dental college, India** |