



**Journal of Prosthodontics Dentistry**  
**An Official Publication of Bureau for Health & Education Status Upliftment**  
 (Constitutionally Entitled as Health-Education, Bureau)

**A study to correlate between anatomical inclines of articular eminence in panoramic radiographic images and condylar guidance achieved by using polyvinyl siloxane inter occlusal records**

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**ABSTRACT:**

The inclination of the condylar path is a fundamental consideration in prosthodontic rehabilitation of edentulous patient. The path of the condyle has been the subject of intense investigation by many prosthodontists. Maxillary and mandibular casts of the completely edentulous patients were mounted in Dentatus® ARH semi-adjustable articulator. In completely edentulous patients the horizontal condylar guidance values were obtained by protrusive interocclusal records using polyvinyl siloxane bite registration material by extra oral gothic arch tracings and these recorded values were compared to the readings obtained from panoramic radiographs. The image of the articular eminence in panoramic radiograph may be used to provide an indication of the degree of inclination of the articular eminence and maybe of value in setting the condylar guidance in semi adjustable articulator.

**Keywords:** Articular eminence, bite registration, extraoral gothic arch tracing, horizontal condylar guidance, interocclusal records, protrusive condylar guidance, polyvinyl siloxane, semi adjustable articulator

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Website: <http://heb-nic.in/jopd>

Received on 13/09/2021

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