

## **BAB 7**

### **KESIMPULAN DAN SARAN**

#### **7.1 Kesimpulan**

1. Tidak terdapat perbedaan hasil pengukuran dimensi vertikal oklusi antara *two dot*, sefalometri dengan *software* Apikal, serta terdapat hubungan yang bermakna antara pengukuran pada wajah dengan menggunakan teknik *two dot*, *software* Apikal dan sefalometri.
2. Aplikasi Apikal dapat membantu menentukan dimensi vertikal oklusi pada pasien secara tidak langsung serta memudahkan bagi klinisi untuk perawatan pembuatan gigi tiruan lengkap.

#### **7.2 Saran**

1. Diperlukan penelitian lebih lanjut dengan memperhatikan bentuk wajah, jenis kelamin dan kategori usia yang berbeda. Perlu diteliti lebih dalam korelasi antara perbandingan pengukuran DVO di wajah dan di foto digital sehingga penerapannya diharapkan dapat lebih akurat. Dalam penelitian selanjutnya diharapkan adanya tempat atau studio khusus, dengan cahaya dan jarak tidak berubah, sehingga hasil foto tidak distorsi dan terjaga kesamaannya.

## **DAFTAR PUSTAKA**

1. Amiruddin M, Thalib B. Vertical dimension measurement directly on the face and indirectly by cephalometric analysis Pengukuran dimensi vertikal secara langsung pada wajah dan tidak langsung dengan analisis sefalometri. Makassar Dent J [Internet]. 2019;8(1):27–32. Available from: <http://jurnal.pdgimakassar.org/index.php/MDJ/article/view/261>
2. Ahmed M, Shaikh A, Fida M. Diagnostic performance of various cephalometric parameters for the assessment of vertical growth pattern. Dental Press J Orthod. 2016;21(4):41–9.
3. Calamita M. Occlusal vertical dimension : treatment planning decisions and. intenational J Esthet dentisrty. 2019;14(2):166–82.
4. Wirahadikusumah A, Koesmaningati H, Fardaniah S. Digital Photo Analysis as a Predictor of Physiological Vertical Dimension. J Dent Indones. 2011;18(2):38–44.
5. Purba R, Yasmin U, Beumaputra AP, Rizkika P. Occlusal Vertical Dimension Analyzed By Digital Photography Using Graphic Design Softwares. Maj Kedokt Sriwij. 2020;2(January):255–9.
6. Naeem S. Role of cephalometry in evaluation of vertical dimension. Pakistan Oral Dent J. 2014;33(April 2013):183–6.
7. Nagpal A, Parkash H, Bhargava A, Chittaranjan B. Reliability of different facial measurements for determination of vertical dimension of occlusion in edentulous using accepted facial dimensions recorded from dentulous subjects. J Indian Prosthodont Soc. 2014;14(3):233–42.

8. Meleşcanu Imre M, Preoteasa E, Tânău A, Preoteasa CT. Imaging technique for the complete edentulous patient treated conventionally or with mini implant overdenture. *J Med Life* [Internet]. 2013;6(1):86–92. Available from:  
[http://www.ncbi.nlm.nih.gov/pubmed/23599828%0A](http://www.ncbi.nlm.nih.gov/pubmed/23599828)<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3624656/>
9. Morais ECC, Ornaghi BP, Sponchiado AP, Zielak JC, Costa RG da. Determination of final occlusal vertical dimension by cephalometric analysis. *Rsbo*. 2015;12 no.2 Jo(2):143–50.
10. Dipoyono HM, Susanto GT, Indrastuti M. Vertical Dimension of Rest ( VDR ) Analysis Using Photography Application. *Indian J Public Heal Res Dev*. 2020;11(03):2413–8.
11. Vinnakota DN, Kanneganti KC, Pulagam M, Keerthi GK. Determination of vertical dimension of occlusion using lateral profile photographs : A pilot study. *J Indian Prosthodont Soc* |. 2016;2(2):323–7.
12. Wiro W, Habar ID. Cephalometric analysis for accurately determining the vertical dimension (case report). *J Dentomaxillofacial Sci*. 2017;2(1):52.
13. Uma M, Shetty R, Shenoy KK. Cephalometric: Evaluation of influence of edentulousness on mandibular morphology: A comparative study. *J Indian Prosthodont Soc*. 2013;13(3):269–73.
14. Abduo J, Lyons K. Clinical considerations for increasing occlusal vertical dimension : a review. *Aust Dent J*. 2012;2(1):2–10.
15. Aziz Miran F, Ahmed Mahmood BDS K. The Correlation between the Right

Little Finger, Eye -Ear Distance and Vertical Dimension of Occlusion among Students of Faculty of Medical Sciences in University of Sulaymani. IOSR J Dent Med Sci Ver I [Internet]. 2015;14(12):2279–861. Available from: [www.iosrjournals.org](http://www.iosrjournals.org)

16. Chairani CN, Rahmi E. Korelasi antara dimensi vertikal oklusi dengan panjang jari kelingking pada sub-ras Deutro Melayu. Maj Kedokt Gigi Indones. 2016;2(3):155.
17. Çiftçi Y, Kocadereli I, Canay Ş, Şenyilmaz P. Cephalometric evaluation of maxillomandibular relationships in patients wearing complete dentures: A pilot study. Angle Orthod. 2005;75(5):821–5.
18. Cunha LF da, Deliberador TM, Zielak JC, Gulin Neto D, Giovanini AF. Cephalometric Approach to the Occlusal Vertical Dimension Reestablishment. Case Rep Dent. 2014;2014(patient I):1–5.
19. Tavano KTA, Seraidarian PI, De Oliveira DD, Jansen WC. Determination of vertical dimension of occlusion in dentate patients by cephalometric analysis - Pilot study. Gerodontology. 2012;29(2):297–305.
20. Sun J, Lin Y, Lee JD, Lee SJ. Effect of increasing occlusal vertical dimension on lower facial form and perceived facial esthetics : A digital evaluation. J Prosthet Dent [Internet]. 2019;2(2):1–7. Available from: <https://doi.org/10.1016/j.prosdent.2020.07.013>
21. Strajnic L, Stanisic-Sinobad D, Markovic D, Stojanovic L. Cephalometric indicators of the vertical dimension of occlusion. Coll Antropol. 2008;32(2):535–41.

22. Strajni L, Sad N. Computerized cephalometric evaluation of changes following treatment with complete dentures. Med Pregl. 2014;2(November):163–7.
23. Sierpinska T, Golebiewska M, Kuc J, Lapuc M. The influence of the occlusal vertical dimension on masticatory muscle activities and hyoid bone position in complete denture wearers. Adv Med Sci. 2009;54(1):104–8.
24. Satrio R, Djati FK, Zahra AF. Laporan penelitian Dimensi vertikal oklusal , posisi kondilus mandibula terhadap fossa glenoidalis , dan kurva Spee sebelum dan sesudah insersi gigi tiruan lengkap. J Ked Gi Unpad. 2019;3(2):120–7.
25. Saratti CM, Rocca GT, Krejci I. Vertical dimension augmentation with a full digital approach : a multiple chairside sessions case report Aumento della dimensione verticale con un approccio interamente digitale : un case report realizzazo in piu sessioni chairside. Int J Comput Dent. 2017;4(December):423–38.
26. Rege JJ, Gosavi SS, Gosavi SY, Tewary S, Kore A. Evaluation of the Correlation between the Vertical Dimension of Occlusion and the Length of the Ear, Nose, and Little Finger: An Anthropometric Study. Int J Prosthodont Restor Dent. 2017;7(1):1–7.
27. Nurung M, Dharmautama M, Jubhari EH, Erwansyah E. Perbandingan antarateknik twodot dengan analisis sefalometri pada pengukuran dimensi vertikal oklusi (Comparison between two dot technique with cephalometric analysis on the measurement of the vertical dimension of

- occlusion). *J Dentomaxillofacial Sci.* 2014;13(3):141.
28. Kusdhany L. Occlusal Vertical Dimension Index to Simplified Vertical Dimension Measurement. *J Int Dent Med.* 2016;2(2):334–8.
29. Gokce HS, Gokce SM, Akin E, Bengi O. Effects of complete denture wearing on the head posture and posterior airway space: A cephalometric study. *J Dent Sci [Internet].* 2011;6(1):6–13. Available from: <http://dx.doi.org/10.1016/j.jds.2011.02.002>
30. Enkling N, Schimmel. Determination of the occlusal vertical dimension in edentulous patients using lateral cephalograms. *j oral rehabit.* 2018;2(March):1–7.

## LAMPIRAN

