

DAFTAR PUSTAKA

1. Bildt MM, Bloemen M, Hoff JWV Den. Matrix metalloproteinases and tissue inhibitors of metalloproteinases in gingival crevicular fluid during orthodontic tooth movement. 2009;1-7. doi:10.1093/ejo/ejn127.
2. Teixeira, Khoo, Tran, Chatres, Liu T et al. Cytokine Expression and Accelerated Tooth Movement. 2010;1135-1141. doi:10.1177/0022034510373764.
3. Daokar ST. Separators in Orthodontics : A Review. 2016;6(1):41-44.
4. Popat RP, Bhavsar N V, Popat PR. Gingival crevicular fluid levels of Matrix Metalloproteinase-1 (MMP-1) and Tissue Inhibitor of Metalloproteinase-1 (TIMP-1) in periodontal health and disease. *Singapore Dent J*. 2014;35:59-64. doi:10.1016/j.sdj.2014.07.003.
5. Balli U, Cetinkaya BO, Keles GC, et al. Assessment of MMP-1 , MMP-8 and TIMP-2 in experimental periodontitis treated with kaempferol. 2016;46(2):84-95.
6. Talic NF. Adverse effects of orthodontic treatment : A clinical perspective. *Saudi Dent J*. 2011;23(2):55-59. doi:10.1016/j.sdentj.2011.01.003.
7. Prasanna C, Londhe BSM, Kotwal CA. Prevalence of malocclusion and orthodontic treatment need in schoolchildren e An epidemiological study. 2012;9:2-7. doi:10.1016/j.mjafi.2012.02.003.
8. Anisha Vallakati, Jyothikiran H, Ravi S PP. Orthodontic Separators A Systemic Review. *J Orofac Heal Sci*. 2014;5(3). doi:10.5958/2229-3264.2014.00012.4.
9. Thimmaiah, Marattukalam, Jain Vikram Kumar, Chetan, Madhusuddhan, Shashwath, Pradeep ZW. Evaluation of the safety and efficacy of two elastomeric separators in orthodontics- a comparative study. 2016;4(3):666-672.
10. Kapoor P, Kharbanda OP, Monga N, Miglani R, Kapila S. Effect of orthodontic forces on cytokine and receptor levels in gingival crevicular fluid : a systematic review. 2014;1-21. doi:10.1186/s40510-014-0065-6.
11. Robert Visse HN. Matrix Metalloproteinases and Tissue Inhibitors of Metalloproteinases. 2003. doi:10.1161/01.RES.0000070112.80711.3D.

12. Susilowati. Expression of matrix metalloproteinase-8 gene in fixed orthodontic patients. 2011;44(1):54.
13. Desarda H, Gaikwad S. Matrix Metalloproteinases & Implication in Periodontitis- A Short Review. 2013;2(2):66-70.
14. Zitka O, Kukacka J, Krizkova S, et al. Matrix Metalloproteinases. 2010;3751-3768.
15. ShAhRuL HiShAm ZAinAL ARiFFin*, MOhD FAiz ELLiAS, ROhAYA MEGAT ABDuL WAhAB YosB& SaSc. Profil Aktiviti Laktat Dehidrogenase , Asid Fosfatase Rintang Tartarat dan Alkaline Fosfatase pada Air Liur Semasa Rawatan Ortodontik. 2010;39(3):405-411.
16. Newman, G. M., Henry, H. T., F. A., Carranza FA. *Clinical Periodontology*. 9th Editio. Philadelphia: W.B. Saunders Company; 2002.
17. Gartner. LP and Hiatt J.L. *Text Book of Histology*. 3 th ed. China, Philadelphia: Sanders, Elsevier; 2007.
18. Mechanisms R, Matrix M, In E, Tissue O, Cancer T. *Regulatory Mechanisms Mediating Matrix Metalloproteinase-8 Effects in Oral Tissue Repair and Tongue Cancer.*; 2014.
19. Fitriana A. Perbedaan kadar matrix metalloproteinase 8 cairan sulkus gingiva pada pemakaian alat ortodonti cekat yang bertujuan terapi dan aksesoris. 2013.
20. Grant M, Wilson J, Rock P, Chapple I. The University of Birmingham (Live System) Induction of cytokines , MMP9 , TIMPs , RANKL and OPG during orthodontic tooth movement orthodontic tooth movement. 2012. doi:10.1093/ejo/ejs057.
21. Proffit W. and FHWJ. *Contemporary Orthodontics*. 2 ed. St. Louis: CV Mosby Co; 2000.
22. Kurdukar PA, Kurdukar AA, Mahale SA, Beldar AM. Biomarkers in Gingival Crevicular Fluid. 2015;14(10):104-109. doi:10.9790/0853-14109104109.
23. Arifin R, Kurniawan J, Dagangan RAT, Putih T. All New “ D * CITI RAT ”: Inovasi , Revitalisasi dan Pengadaan Pada “ D * CITI RAT .” 2015:1-4.
24. Vincerean H V. RATS - BIOLOGY and HUSBANDRY. In ; 2017.
25. Newby AC. Metalloproteinase production from macrophages – a perfect storm leading to atherosclerotic plaque rupture and myocardial infarction. 2016;0(October 2015):1-11. doi:10.1113/EP085567.

26. Palikhe PP. Matrix metalloproteinase 8 as a diagnostic tool for the inflammatory and malignant diseases. 2011.
27. Vujacic, Amila., Ristic, A. Konic., Pavlovic, Jasna., Glibetic M. The role of cytokines in orthodontic tooth movement. *Pubmed*. 2012;140((5-6)):371-378. doi:10.2298/SARH1206371M.
28. Hajishengallis G, Moutsopoulos NM, Hajishengallis E, Chavakis T. Immune and regulatory functions of neutrophils in inflammatory bone loss. *Semin Immunol*. 2016. doi:10.1016/j.smim.2016.02.002.