

# Gambaran tindakan gawat dan darurat serta tingkat kepedulian ortodontis terhadap perawatan ortodonti dan aspek finansial di masa Pandemi COVID19 = Urgent and emergency treatment with concern of effect on orthodontic treatment and financial aspects during COVID-19

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## Abstrak

Latar belakang: Pandemi COVID19 memengaruhi praktik kedokteran gigi, termasuk dalam bidang ortodonti. Risiko penyebaran COVID19 yang tinggi pada praktik dokter gigi menyebabkan pembatasan pelayanan dengan lebih memprioritaskan kasus gawat darurat. Pandemi COVID19 juga berpengaruh pada tingkat kepedulian ortodontis terhadap perawatan ortodonti dan aspek finansial praktik. Tujuan: Mengetahui gambaran tindakan gawat dan darurat perawatan ortodonti serta tingkat kepedulian ortodontis terhadap perawatan ortodonti dan aspek finansial di masa pandemi COVID19. Metode: Penelitian ini merupakan studi deskriptif kuantitatif dengan desain potong lintang menggunakan kuesioner yang disebarluaskan secara daring kepada 97 ortodontis. Hasil: Kasus gawat yang sering terjadi adalah penggunaan peranti stainless steel ceat sebesar 25,5%. Alat yang paling banyak menyebabkan kasus gawat adalah kawat lengkung rusak atau menyebabkan cedera (19,9%), sedangkan kasus darurat lebih sering terjadi karena pengabaian kebersihan mulut (73,3%). Ortodontis sangat peduli terhadap dampak perawatan ortodonti dan aspek finansial selama pandemi dengan nilai rerata  $9,10 \pm 0,93$  dan  $8,39 \pm 1,67$  dimana ortodontis lebih peduli terhadap dampak perawatan dibanding finansial. Kesimpulan: Di masa pandemi COVID19, kasus gawat sering terjadi bila menggunakan peranti stainless steel ceat yang disebabkan oleh kawat lengkung, sedangkan kasus darurat lebih sering terjadi karena pengabaian kebersihan mulut. Tingkat kepedulian ortodontis terhadap dampak perawatan ortodonti dan aspek finansial selama pandemi sangat tinggi.

.....Background: The COVID-19 affects dental practice, including orthodontic practice. The immense risk of COVID19 in dental practice leads to restrictions on the services by prioritizing urgency and emergency treatment. COVID-19 also affects orthodontist concern for orthodontic treatment and financial aspects. Objective: To provide an overview of urgency and emergency treatments in orthodontic practice as well as the level of orthodontist concern for orthodontic treatment and financial aspects during COVID-19. Method: This research is a cross-sectioned descriptive study using online survey to 97 registered orthodontists. Result: The 25.5% urgency case happened on fixed stainless-steel appliance due to breakage of arch wires or causing injuries (19.9%), whereas 73.3% emergency case caused mostly due to poor oral hygiene. The level of concern for orthodontic treatment and financial impacts during COVID-19 was really high (mean  $9.10 \pm 0.93$  and  $8.39 \pm 1.67$ ), whilst the orthodontists were concern more to the effect on treatment rather than financial aspect. Conclusion: During COVID-19, the most urgent orthodontic treatment happened mostly on fixed stainless-steel appliance because of the archwire and emergency treatment happened because of the negligence of the oral hygiene. The level of orthodontist concern is both really high with more concern on orthodontic care than financial aspects.