

# Observasi Kehilangan Gigi Pasien Periodontitis di RSKGM FKGUI Periode Follow-Up Berdasarkan Staging dan Grading = Tooth Loss Observation on Periodontitis Patients at Dental Hospital Faculty of Dentistry Universitas Indonesia During Follow-Up Period Based on Stages and Grades

Sulthan Farhan Athallah, author

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## Abstrak

**Latar Belakang:** Periodontitis adalah penyakit yang ditandai inflamasi dan menyebabkan kerusakan pada gingiva, jaringan periodontal, dan tulang alveolar yang menjadi tempat bertumpunya gigi-geligi. Penelitian yang pernah ada sebelumnya mencoba menggunakan alat penilaian risiko penyakit periodontal untuk memprediksi kehilangan gigi. Dalam sistem klasifikasi terbaru penyakit periodontal, World Classification 2017, periodontitis dikategorikan menjadi stage dan grade berdasarkan parameter seperti kehilangan tulang yang juga merupakan faktor risiko kehilangan gigi, sehingga World Classification 2017 berpotensi untuk menilai risiko kehilangan gigi pada pasien periodontitis.

**Tujuan:** Mengetahui hubungan antara Stage dan Grade Periodontitis dengan kehilangan gigi akibat periodontitis pada follow-up 0-3 bulan, 3-6 bulan, 6-9 bulan, 9-12 bulan, dan 12-24 bulan.

**Metode:** Penelitian dilakukan secara retrospektif menggunakan data sekunder rekam medis periodontal pasien RSKGM FKGUI Tahun 2018-2021 yang diambil melalui consecutive sampling. Seratus enam puluh enam sampel rekam medis diperoleh dalam penelitian ini. Data sampel diolah dengan uji komparasi statistik menggunakan program IBM SPSS Statistics 26.

**Hasil:** Ada perbedaan signifikan kehilangan gigi akibat periodontitis pada stage IV antar waktu follow-up 0-3 bulan dengan 12-24 bulan; grade A antar waktu follow-up 0-3 bulan dengan 12-24 bulan; grade C antar waktu follow-up 12-24 bulan dengan 0-3 bulan, 3-6 bulan, dan 9-12 bulan.

**Kesimpulan:** Kehilangan gigi akibat periodontitis pada masing-masing stage dan grade berbeda antar waktu follow-up.

.....Introduction: Periodontitis is a disease revolving around inflammation and result in destruction of gingiva, periodontal tissue, and alveolar bone which function as anchorage of teeth. Past studies tried to use periodontal risk assessment tools to predict tooth loss. The new classification of periodontal disease, World Classification 2017, categorized periodontitis into stages and grades based on parameter such as bone loss, which also a risk factor of tooth loss, so it was considered to be potential periodontal tooth loss predictor.

**Objectives:** To investigate relationship between diagnosed periodontitis stages and grades on baseline to tooth loss on 0-3 months, 3-6 months, 6-9 months, 9-12 months, and 12-24 months recall.

**Methods:** This study is done retrospectively using secondary data from 2018-2021 RSKGM FKGUI dental

records collected by consecutive sampling. One hundred sixty six samples collected for the study. Data is analyzed by comparative test using IBM SPSS Statistics 26 Program.

Results: There is significant difference of tooth loss by periodontitis stage IV between 0-3 months to 12-24 months recalls from baseline; grade A between 0-3 months to 12-24 months; grade C between 12-24 months to 0-3 months, 3-6 months, and 9-12 months recalls from baseline.

Conclusions: Tooth loss due to periodontitis is differ based on stages and grades between recalls.