

Kuantifikasi Bakteri Porphyromonas gingivalis pada Evaluasi Jaringan Periimplan (Pasien Rumah Sakit Khusus Gigi dan Mulut Fakultas Kedokteran Gigi Universitas Indonesia Periode 2009-2014) =  
Quantification of Porphyromonas gingivalis in Evaluation of Periimplant Tissue Patient in Rumah Sakit Khusus Gigi Mulut Fakultas Kedokteran Gigi Universitas Indonesia from 2009-2014.

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Abstrak

**ABSTRAK**

Latar Belakang: Perawatan implan dental sudah berkembang menjadi pilihan yang dapat diterima luas masyarakat. Rumah Sakit Khusus Gigi dan Mulut Fakultas Kedokteran Gigi Universitas Indonesia sudah melaksanakan perawatan implan gigi sejak tahun 2009 dan belum ada evaluasi mengenai implan gigi tersebut. Porphyromonas gingivalis diketahui menjadi salah satu bakteri yang sering digunakan dalam evaluasi jaringan periimplan.

Tujuan: Mengevaluasi jaringan periimplan melalui kuantifikasi bakteri Porphyromonas gingivalis.

Material dan metode: Dua puluh sembilan sampel implan gigi, lima sampel gigi sehat serta tujuh sampel periodontitis diambil plak subgingiva untuk menghitung Porphyromonas gingivalis melalui Real Time PCR.

Hasil: Tidak ada perbedaan bermakna antara kuantitatif P. gingivalis pada sampel periimplan dengan gigi sehat. Terdapat perbedaan bermakna antara kuantitatif P. gingivalis periimplan dengan sampel periodontitis.

Kesimpulan: Kuantitatif P.gingivalis gigi sehat menyerupai dengan level kuantitatif pada jaringan periimplan.

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**ABSTRACT**

Background: Dental implants has an excellent results in terms of survival and success rates of oral rehabilitation. Rumah Sakit Khusus Gigi Mulut Fakultas Kedokteran Gigi, Universitas Indonesia (RSKGM FKG UI) is one of leading dental hospital which offer dental implant since 2009 and yet there is no evaluation of dental implant treatment.

Aim: The aim of this study was to evaluate periimplant tissue by quantification of bacteria Porphyromonas gingivalis. Materials and Methods: Twenty nine samples periimplant were taken from patient in Periodontal Clinic RSKGM FKG UI. All implants were placed from 2009-2014. Plaque samples were obtained in each dental implant using implant probe. Baseline group was measured in healthy teeth and periodontitis teeth which samples plaque were also taken respectively. All samples were subjected to microbiological analysis using quantification of bacteria Porphyromonas gingivalis with real time PCR.

Results: There were no significant differences in number of P. gingivalis between the periimplant groups compared to healthy tooth group (P value >0.05). Meanwhile, there were significant differences between the periimplant group compared to periodontitis teeth (P value < 0.05).

Conclusion: Quantification of P.gingivalis in periimplant has a similar result to healthy teeth.