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Periodontal Conditions in Patients Requesting Dental Implant Treatment

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Abstract: Periodontal disease is considered a risk factor in dental implant treatment. The purpose of this study was to investigate the periodontal conditions in patients requesting dental implant therapy. A total of 169 patients visiting Department of Oral and Maxillo-Facial Implantology at Tokyo Dental College Chiba Hospital were targeted. The following intraoral parameters were measured in each patient: Community Periodontal Index (CPI) score, probing pocket depth (PPD), clinical attachment level (CAL) and bleeding on probing (BOP). Prevalence of patients with periodontal pockets was high: 38% and 28% of patients had a CPI score of code 3 and 4, respectively. Prevalence of teeth with one or more sites with PPD \geq 4mm was 27%. Moreover, clinical signs suggestive of periodontitis (PPD, CAL \geq 4mm) were found in 10-15% of tooth sites. Prevalence rates at sites with severe periodontal breakdown (PPD, CAL \geq 7mm) were 2-5%. These results further emphasize the importance of thorough periodontal assessment in patients prior to dental implant treatment.

Key words: [Dental implant treatment](#), [Periodontal condition](#), [Community Periodontal Index \(CPI\)](#), [Peri-implantitis](#), [Risk factor](#)

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