Hubungan antara analisis radiografis kepadatan tulang alveolar di sekitar implan dental dan frekuensi resonansi implan dental = Correlation between radiographic analysis of alveolar bone density surrounding dental implant and resonance frequency of dental implant

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Abstrak

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Pada 35 sampel, dilakukan analisis radiografis kepadatan tulang alveolar di sekitar implan dental menggunakan piranti lunak SIDEXIS-XG dan pengukuran frekuensi resonansi implan dengan mengunakan Osstell ISQ segera setelah pemasangan implan dan saat kontrol bulan ketiga.Tidakterdapat hubungan bermakna antara analisis radiografis kepadatan tulang alveolar di sekitar implan dental dan frekuensi resonansi implan dental (r = -0,102 di awal dan r = 0,146 saat kontrol, p> 0,05), namun terdapat perubahan bermakna kepadatan tulang alveolar di sekitar implan dental (p = 0,005) dan frekuensi resonansi implan dental (p = 0,000) selama masa penyembuhan.
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ABSTRACT
On 35 samples, alveolar bone density surrounding dental implant was analyzed using SIDEXIS-XG software and resonance frequency of dental implant was acquired by Osstell ISQ right after dental implant placement and on third-month follow-up. No significant correlation was reported between radiographic analysis of alveolar bone density surrounding dental implant and resonance frequency of dental implant (r = - 0,102 at baseline dan r = 0,146 on follow-up, p> 0,05). However, significant difference was observed for alveolar bone density surrounding dental implant and resonance frequency of dental implant throughout healing period (p = 0,005 and p = 0,000 respectively).;On 35 samples, alveolar bone density surrounding dental implant was analyzed using SIDEXIS-XG software and resonance frequency of dental implant was acquired by Osstell ISQ right after dental implant placement and on third-month follow-up. No significant correlation was reported between radiographic analysis of alveolar bone density surrounding dental implant and resonance frequency of dental implant (r = - 0,102 at baseline dan r = 0,146 on follow-up, p> 0,05). However, significant difference was observed for alveolar bone density surrounding dental implant and resonance frequency of dental implant throughout healing period (p = 0,005 and p = 0,000 respectively).;On 35 samples, alveolar bone density surrounding dental implant was analyzed using SIDEXIS-XG software and resonance frequency of dental implant was acquired by Osstell ISQ right after dental implant placement and on third-month follow-up. No significant correlation was reported between radiographic analysis of alveolar bone density surrounding dental implant and resonance frequency of dental implant (r = - 0,102 at baseline dan r = 0,146 on follow-up, p> 0,05). However, significant difference was observed for alveolar bone density surrounding dental implant and resonance frequency of dental implant throughout healing period (p = 0,005 and p = 0,000 respectively)., On 35 samples, alveolar bone density surrounding dental implant was analyzed using SIDEXIS-XG software and resonance frequency of dental implant was acquired by Osstell ISQ right after dental implant placement and on third-month follow-up. No significant correlation was reported between radiographic analysis of alveolar bone density surrounding dental implant and

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