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0420 Quality of life and orthodontic correction of incisor drifting

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Objectives: To determine changes in oral health related quality of life following orthodontic correction of upper incisor drifting and spacing with extrusion among treated chronic periodontitis patients. *Methods:* 24 patients with treated periodontitis and exhibiting drifting of incisors with extrusion underwent orthodontic correction of the incisor drifting consequent to periodontal attachment loss. Patients self-completed the 16-item United Kingdom oral health related quality of life (OHQoL-UK) questionnaire pre- and post- orthodontic intrusion. Overall OHQoL-UK scores and its physical, social and psychological domain scores were computed from pre- and post-orthodontic evaluations, and compared (*paired t tests*). *Results:* There was a significant difference in overall OHQoL-UK scores before and after orthodontic treatment ($P = 0.003$, effect 0.74). In addition, there were significant differences in physical domain scores ($P < 0.05$, effect 0.55), psychological domain scores ($P < 0.01$, effect size = 0.71) and social domain scores ($P < 0.001$, effect size = 0.89). *Conclusion:* Significant improvements in oral health related quality of life occur following orthodontic intrusion of drifted incisors with extrusion in treated chronic periodontitis patients.

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