



특 강 II

· 11:00 ~ 12:00, 10월 31일
· Bexco 3층 Grand Ballroom

Autotransplantation of teeth in orthodontic treatment

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Kunimichi Soma

With the use of autotransplantation technique, it has become possible for orthodontists to solve complicated treatment problems. Although autotransplantation of immature tooth has been established as a viable method of restoring edentulous areas, autotransplantation of mature teeth has been avoided mainly due to poor prognosis and possible ankylosis after transplantation. However, autotransplantation of mature tooth performed at the Tokyo Medical and Dental University have had a high success rate when the teeth are atraumatically transplanted from the donor sites to suitable acceptor sites, and orthodontic therapy is initiated at a suitable time and with suitable force magnitude. The characteristic feature of autotransplantation performed in our university is to apply orthodontic force at a relatively early stage using improved super-elastic wire (ISW). Our clinical and research results have shown that this method does not interfere with healing and cause minimal root resorption and ankylosis. Therefore, autotransplantation combined with orthodontic treatment could be an alternative treatment modality not only for growing patients but for adult orthodontic patients. The present presentation is to introduce clinical case reports and results of related research on autotransplantation routinely performed in our university.