

Orthodontic Treatment of Patients with Condylar Resorption : When and How?

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Treatment of orthodontic patients with condylar resorption is challenging for clinicians due to the continuous change of occlusion caused by the unstable condylar position and symptoms in the temporomandibular joint (TMJ).

Therefore, the TMJ structures of such patients should be stabilized before active tooth movement to identify and maintain the true mandibular position and the use of a stabilization splint can be a reliable way to stabilize the TMJ structure. In some cases, severe open bite or mandibular retrusion after mandibular stabilization may require orthognathic surgery. However, the vulnerable joint structures in these patients might not be able to withstand the mechanical loads produced by osteotomies for mandibular advancement because the loads could exceed the biological adaptability. The intrusion of the posterior teeth using Temporary Skeletal Anchorage Devices (TSADs) produces effects on the profile and dental relationship similar to those of surgically assisted maxillary posterior impaction that results in counterclockwise rotation of the mandible.

In this presentation, patients with condylar resorption treated with an appropriate orthodontic treatment protocol will be presented.

Profile

- * Private practice (Star Orthodontic Clinic, Ilsan)
- * Orthodontic specialist
- * Academic director, Roth Orthodontic Society
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