

TREATMENT OF DENTOALVEOLAR DEEP BITE AND CROWDING BY FIXED APPLIANCES - CASE REPORT -



ZORANA STAMENKOVIĆ, NENAD NEDELJKOVIĆ, VLADAN MIRJANIĆ
UNIVERSITY OF BELGRADE SCHOOL OF DENTISTRY



Background: The aim of this study was to show that crowding and dentoalveolar deep bite can be successfully treated by fixed appliances.

Methods and materials: Female patient, 19 years of age

- **Diagnosis:** Crowding, dentoalveolar deep bite and dental Class II
- **Study cast analysis:** Crowding in the upper jaw of 4mm and 6.5mm in the lower jaw, overbite 8mm and overjet 5mm
- **Lateral cephalometric analysis:** Bimaxillary retrognathism (SNA 77°, SNB 75°), skeletal Class I (ANB 2°), forward facial rotation (Bjork 390°), basal angle (B 20°) and proper inclination of incisors (I/SpP 73°, i/MP 89°)
- **Treatment plan:** Extraction of all four wisdom teeth, upper and lower fixed appliances, intermaxillary elastics for Class II



Results: At the end of the treatment stable Class I occlusion was achieved, overjet was 3 mm and overbite 3 mm. Patient is now in period of retention, without signs of relapse and wears splints every fourth night.