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Multidisciplinary Treatment of Mandibular Prognathism with Multiple Congenitally Missing Teeth

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Abstract: Surgical orthodontic treatment and dental implant therapy were performed on a man (aged 18 years 8 months) with mandibular prognathism and seven congenitally missing teeth: upper canines, first and second premolars and lower right second premolar. After 17 months of preoperative orthodontic treatment at age 20 years 1 month, sagittal split ramus osteotomy was performed using the remaining upper deciduous teeth as an anchor for intermaxillary fixation. In postoperative orthodontic treatment, the remaining deciduous teeth were extracted, and fixture installation was performed. The entire therapy required 4 years to complete (age 22 years 8 months). After completion of orthodontic treatment, superstructures were put in place. This patient had many dental problems, so multidisciplinary care was performed in conjunction with other departments to improve oral function and facial esthetics.

Key words: [Multidisciplinary treatment](#), [Surgical orthodontic treatment](#), [Mandibular prognathism](#), [Multiple congenitally missing teeth](#), [Dental implant](#)



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