

DIGITAL DENTAL PROSTHETIC TREATMENT OF TEMPOROMANDIBULAR JOINT DISK DISPLACEMENT WITH REDUCTION

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Introduction: Aesthetics of the face with deviation of the mandible and visible asymmetry of the face if one of the reasons patients come to the dental office. The diagnosis is complex and requires meticulous multidisciplinary approaches especially if the temporomandibular joint is involved.

Objective: To represent the challenge of digital dental prosthetic treatment in patients with temporomandibular joint disk displacement with reduction.

Materials and Methods: To establish diagnosis of displacement of the temporomandibular articular disc with reduction with measurements established extraorally and intraorally with specific diagnostic tools - clinical, paraclinical and digital. Usage of computed tomography can be helpful before and after the treatment.

Results: Analysing the deviation of the mandible extraorally, then dispositioning the linea mediana before and after treatment with digitally designed repositioning splints shows improvement of the symmetry after 6 months of treatment. The clicking sounds, popping sounds and noises when opening and closing the mouth following the dispositioning of the articular disc from the fossa temporalis are almost eliminated after 6 months strict treatment protocol.

Keywords: Rehabilitation of patients with a displaced temporomandibular articular disc with reduction is enabled with the production and usage of digital repositioning splints. Digital dental prosthetic rehabilitation in treatment of temporomandibular joint disk displacement with reduction enables improvement of the quality of life of patients.

Deviation, displaced temporomandibular articular disc with reduction, digitally designed repositioning splints.