

FACIAL ARCH/SPRING WITH EXTENDED MECHANICAL AND BIOLOGICAL FUNCTIONALITY AND PROCEDURE OF USE

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Patent Application



The invention relates to a facial arch with extended mechanical and biological functionality and to a method of use for the three-dimensional transfer of the position of the upper dental arch in the articulator and which is used in the field of dentistry, in the prosthetic rehabilitation algorithm for different types of edentulousness. The facial arch according to the invention consists of a unitary assembly (A) called an "eye line finder", an articulated support (B), having a double-sided transfer spoon and radial extension, an articulation assembly (C) for supporting a transfer spoons, a universal transfer stand (D) for mounting the upper and lower model in the articulator, and a device (E) for controlling the parallelism of the prepared teeth, before the impression and transfer. The method according to the invention consists in orienting and mounting the transfer facial arch, on a patient's head, by means of the assembly (A) "eye line finder", after which the transverse position of the transfer facial arch is analyzed and oriented on the patient's head, anchored in the posterior area by means of two ear ball arms, in the ear canal, then the assembly is placed in the anterior area on the base of the nose, by means of a support (F) elastic and adjustable in height, in a milled channel (G) intended fixing the transfer joint, mount the articulated support (B) for the laser module with linear projection and orient a sleigh, in sagittal direction after the palatine raft, by transverse sliding, insert the assembly (A) "eye line finder" in some uprights of on the two arms (F and G) of the transfer facial arch and follow the bipupillary line in relation to the lines engraved on the assembly (A) "eye line finder".



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