

The invention refers to the field of medicine, namely to the orthopedic stomatology, and may be used for restoration of the anatomic form and function of separate teeth, as well as for substitution of dentition defects for prostheses removable and fixed construction with bearing elements on the implant.

Summary of the invention consists in that the helical dental implant consists of the replacement 1 and intraosseous 9 parts, joined together by means of a threaded connection. The replacement part 1 includes a head 2 and a threaded pin 3. The head 2 consists of the upper 4 and middle 5 parts made in the form of a truncated cone, having its greater base placed onto the lower part 6 of the head 2, made in the form of a cylindrical support. In the upper part 4 of the head 2 there is provided a contact place for the instrument, and in the middle part 5 thereof there are made circular retention grooves 8. On the central axis of the head 2 there is placed a threaded pin 3. The intraosseous part 9 is made in the form of a self-tapping screw with a blind canal 10, having the form of a hexahedron in the region of the frontal section 11 and further passing into a cylindrical one 12, provided with a thread for the entering therein pin 3. In the region of the end of the intraosseous part 9 there are made three longitudinal grooves, placed at an equal distance from each other. The roughness of the relief over the whole surface of the intraosseous part is equal to $3...7 \mu\text{m}$.

Claims: 1

Fig.: 4

