

ORTHODONTIC TREATMENT WITH GNI ORTHO SMART ANCHOR IZ-SCREW

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Dr. Artsemi Khomich presents the clinical case of IZ-screws application in orthodontic treatment as follows:

1. Patient information

Female, 28 years old

2. Status at the time of consultation

Dental crowding, malocclusion, gummy smile, distal position of the mandible

3. Patient requirements

Cosmetic and chewing function improvement

4. Methods of diagnosis

Clinical diagnosis, CBCT, lateral cephalometry

5. Results of diagnosis

Distal bite, deep bite

6. Treatment plan

1. Distalization of the lateral group of teeth on the upper jaw.
2. Intrusion of the anterior group of teeth in the maxillary, normalization of the incisal overlap, occlusal contacts and the position of the mandibular.
3. Install Stainless Steel IZ-screws 17 mm long and 2.4 mm in diameter into the subzygomatic ridge of the upper jaw on both sides. Model number used: SA2417I, by GNI ORTHO. GNI ORTHO is South Korean company, which produces brackets and different kinds of orthodontic appliances.
4. For intrusion of the anterior group of the maxillary teeth, mini-screws 8mm long and 1.4mm in diameter installed in the area of teeth 1.2 and 2.2. I used Titanium mini-screw SA1408 by GNI Ortho.

7. Treatment period

1. 20 months.
2. IZ-screw SA2417I Stainless Steel use from the 3 months, and use for 11 month.

8. Conclusions during the treatment

1. The patient had no complaints and felt comfortable during all treatment period/
2. For me as a doctor it was very convenient to work with GNI Ortho IZ-screws because they can be easily screwed to the bone and have a good quality and design.

Figure 1. Before the treatment



Figure 2. 5 months since the beginning of treatment



Figure 3. 9 months since the beginning of treatment

