A patient Zh. 51 years old applied to the clinic of orthopedic dentistry. Complaints: difficulty chewing food, aesthetics of the lower front teeth.

Anamnesis of the disease: notes the absence of lateral teeth on the lower jaw for about 3.5 years. At the same time, metal-ceramic crowns were made on the upper jaw and, a month after removal, a removable plate prosthesis with bent clasps on the lower jaw. The removable prosthesis broke while chewing about two years ago. I did not apply for the repair and manufacture of a new prosthesis. Over the past two years, he has noted a decrease in the size of the front lower teeth.

Objectively when examined

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| Зубная формула | | | | | | | | | | | | | | | |
| О | К | И | И | К | К | К | К | К | К | К | К | И | И | К | О |
| **18** | **17** | **16** | **15** | **14** | **13** | **12** | **11** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** |
| **48** | **47** | **46** | **45** | **44** | **43** | **42** | **41** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** |
| R | О | О | О | П |  |  |  |  |  |  | П | О | О | О | О |

The configuration of the face has not been changed, regional lymph nodes are not palpable and are painless. TMJ palpation is painless, the face is symmetrical. The opening of the oral cavity is free. There is a decrease in the height of the lower part of the face by 2 mm. Nasolabial and chin folds are pronounced. The mucous membrane of the gums, palate, cheeks and alveolar processes is pale pink, moderately moistened. The bite is orthognathic.

Examination of the oral cavity: a metal-ceramic bridge with supports is fixed on the upper jaw: 1.7,1.4,1.3,1.2,1.1,2.1,2.2,2.3,2.4,2.7. On teeth 3.1, 3.2, 3.3,

3.4, 4.1, 4.2, 4.3, 4.4 there are facets of erasure within the enamel and dentin. A small amount of hard dental deposits are observed on the teeth of the lower jaw. Teeth 3.4, 4.4 have composite fillings. Residual tooth root 4.8.

The radiograph shows a uniform decrease in the bone tissue of the alveolar part of the upper and lower jaws by ¼ of the root length. The channels of the teeth 3.4, 4.4, are sealed for half the length of the root canal.

Questions

1. Make a diagnosis.

2. Formulate the tasks of treatment.

3. Make a plan of orthopedic treatment, taking into account the wishes of the patient about the maximum aesthetics of the proposed structures.

4. Make an alternative orthopedic treatment plan.

5. What manipulations are necessary as a preparatory stage for prosthetics (therapeutic and surgical treatment plan).