A 59-year-old patient comes to the orthopedic dentistry clinic. Complaints: difficulty chewing food, missing teeth on the upper jaw, pain in the area of ​​tooth 4.7.

History of the disease: the teeth on the upper jaw were removed gradually as a result of caries complications, the removable denture was made 10 years ago, the crown on tooth 4.7 and the bridge on the lower jaw on the left were made 2 years ago.

Objectively upon examination:

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| Зубная формула | | | | | | | | | | | | | | | |
| О | О | О | О | О | О | О | О | О | О | О | О | О | О | О | 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** |
| О | П | К | С |  |  |  |  |  |  |  | К | К | Ф | К | О |

Nasolabial and chin folds are prominent. Reduced height of the lower part of the face. The mucous membrane is pale pink in color, moderately moisturized. There are no teeth on the upper jaw. There is a removable prosthesis that is not fixed to the prosthetic bed. On the lower jaw there is a bridge prosthesis 3.4, 3.5, 3.7, which meets orthopedic requirements. Tooth 4.6 is covered with a one-piece crown. The probe sinks freely under the edge of the crown.

On the radiograph: 4.6 – rarefaction in the bifurcation area, root canals are sealed to the apex, rarefaction of bone tissue with unclear contours in the area of ​​the root apex measuring 2x2 mm; 3.4, 3.5, 3.7 – the tooth canals are filled to the apex. Tooth 4.7 was restored with a light composite, no secondary caries was detected, the marginal fit of the filling was good. The carious cavity on tooth 4.5 is filled with softened dentin.

Questions

1. Make and formulate a diagnosis.

2. Formulate the objectives of orthopedic treatment.

3. Create an orthopedic treatment plan.

4. Create a treatment plan

5. Create a surgical treatment plan to prepare the mouth for orthopedic treatment.