The patient K. 53 years old applied to the clinic of orthopedic dentistry. Complaints: poor fixation of removable plate prostheses on the upper and lower jaws.

Medical history: lost his chewing teeth 7 years ago. Removable plate prostheses were made for the upper jaw with bent clasps for 13 and 24 and the lower jaw with bent clasps 45 and 34. 24 teeth were removed a month ago. The patient has not used a prosthesis on the lower jaw for a year, since 44 and 45 were removed, and the prosthesis stopped being fixed.

Objectively during the inspection:

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| **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** |
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The remaining teeth on the upper and lower jaws have 1-2 degrees of tooth mobility. The necks of the teeth are exposed by ¼. There is marked atrophy of the alveolar processes and the alveolar part of the jaws in areas without teeth.

The mucous membrane of the prosthetic bed on the upper jaw is hyperemic.

The prosthesis is lamellar on the upper jaw with bent clasps, the clamp on the left side has lost its support, the edges of the base of the prosthesis on the upper jaw do not correspond to the boundaries of the prosthetic bed (they do not reach the transitional fold and the "A" line of the base in the area of the front teeth does not fit tightly on the palatine side). The fixation of the prosthesis is unsatisfactory.

The height of the lower part of the face in a state of central occlusion is reduced by 4-5 mm, there is a deep overlap of teeth in the frontal part and a distal shift of the lower jaw.

There are abundant dental deposits in the area of the teeth of the lower jaw and symptoms of periodontitis on the upper and lower jaws.

Questions

1. Make a diagnosis.

2. Formulate the tasks of orthopedic treatment.

3. Make an orthopedic treatment plan.

4. Make a therapeutic treatment plan.

5. Name a method for determining the height of the lower part of the face in a state of central occlusion or central ratio, what is the essence of this method