A patient K. 35 years old applied to the clinic of orthopedic dentistry. Complaints: on the exposure of the edge of the artificial crown of 11, 12 and 21, 22 teeth, bleeding and soreness when brushing teeth, an unusual appearance of the gums and bad breath.

Anamnesis of the disease: the baring of the edges of the crowns in 11, 12 and 21, 22 and bleeding appeared after prosthetics two years ago.

Objectively during the inspection:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| К | К | К | К |  | О | К | + | К |  |
| **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** |
|  | К | + | К |  |  |  |  |  |  |  |  | П | П |  |  |

Gingival papillae in the area of the frontal teeth 11, 12 and 21, 22 of the upper jaw are edematous, cyanotic, soreness and bleeding are determined when probing the cervical region of 11, 12 and 21, 22 teeth. It is noted that everyone has an unapproachable preparation

4 teeth 12, 11, 21, 22, covered with artificial crowns made of cermet.

The crowns are made as a single unit, while there is no place for gingival papillae. There is a baring of the edges of the crowns from 0.5-0.8 mm. Oral hygiene is unsatisfactory. There is a reaction to temperature stimuli. X-ray control of 11.12 and 21.22 revealed that endodontic treatment had not previously been performed on these teeth.

Bridges at +25+27 and 45+47 are in satisfactory condition, there is sufficient flushing space for effective hygienic care. The ratio of the edge of the crowns of bridges with the gingival edges of the supporting teeth is satisfactory.

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. List the clinical stages of treatment with ceramic metal crowns for this patient.