

V-X Concepts and modern methods of treatment with atypical constructions. Modern methods of examination of patients in prosthodontic department.

Atypical dental prosthesis

is a dental prosthesis (fixed or removable) that due to his fundamental structural particularities *differs from a classical dental prosthesis and at manufacturing of that are used different nontraditional methods* (- fixed, - removable, demountable, special systems for support, maintenance, fixing and stabilization of PRAD, PRSD).

The modern concept of prosthetic treatment with the help of **atypical artificial prostheses**

does not provide quantitative replacement of damaged or absent tissues of the body, but morpho-functional physiological and mental equilibration of the patient with the purpose of preservation of clinical situation of stomatognathic system for long period of time.

Atypical artificial crowns

- the crowns that are not covered all surfaces of the tooth -1/2, 3/4, 4/5, 7/8.

Indications to prosthetic treatment with atypical artificial crowns:

- dental migrations (mesial migration of the molars, as a rule of first molar) when known technique does not permit manufacturing classical artificial crowns.
- partial edentation combined with dental migrations.

Atypical Dental Bridges

are the bridges that in their composition have atypical placement of support elements, method of their fixing and peculiarities of construction.

Type of bridge dentures that are considered atypical can be divided:

- by method of support elements position
- by method of fixation
- by construction

Indications to prosthetic treatment with atypical bridge dentures:

- when by grinding hard tooth tissue or orthodontic methods of treatment it is not possible to equalize prosthetic plane
- when with the help of orthodontic methods of treatment or by teeth preparation it is not possible to create parallelism between support teeth
- orthopedic field with absence of bone (bone resection)
- in prosthetic treatment with implants

some diseases of oral cavity mucosa

Advantages and disadvantages of removable Bridge Dentures:

Advantages :

- removing the denture without any difficulties
- good hygiene

- mastication pressure is transferred on the support teeth but volume of the bridge denture is smaller than another removable denture (PRAD, PRSD)
- stabilisation of removable bridge denture is satisfactory

Disadvantages:

- bad and poor sliding the component elements of bridge denture in time
 - component elements of removable bridge denture require high precision in manufacturing for excellent sliding.

Indications to atypical removable denture manufacturing:

- inclination of medial situated teeth more than at 35 degree (if more than 40 degree these teeth must be extracted)
- atypical form of alveolar process
- if it is need to get height esthetic effect
- for better fixation of the denture

Atypical Complete Denture

is made in atypical form of alveolar process when surgical method it is not rational and fixation of complete denture is created by adhesion and anatomic retention.