

Astana Medical University
Department of Russian Language and Foreign Languages

Orthopedic dentistry

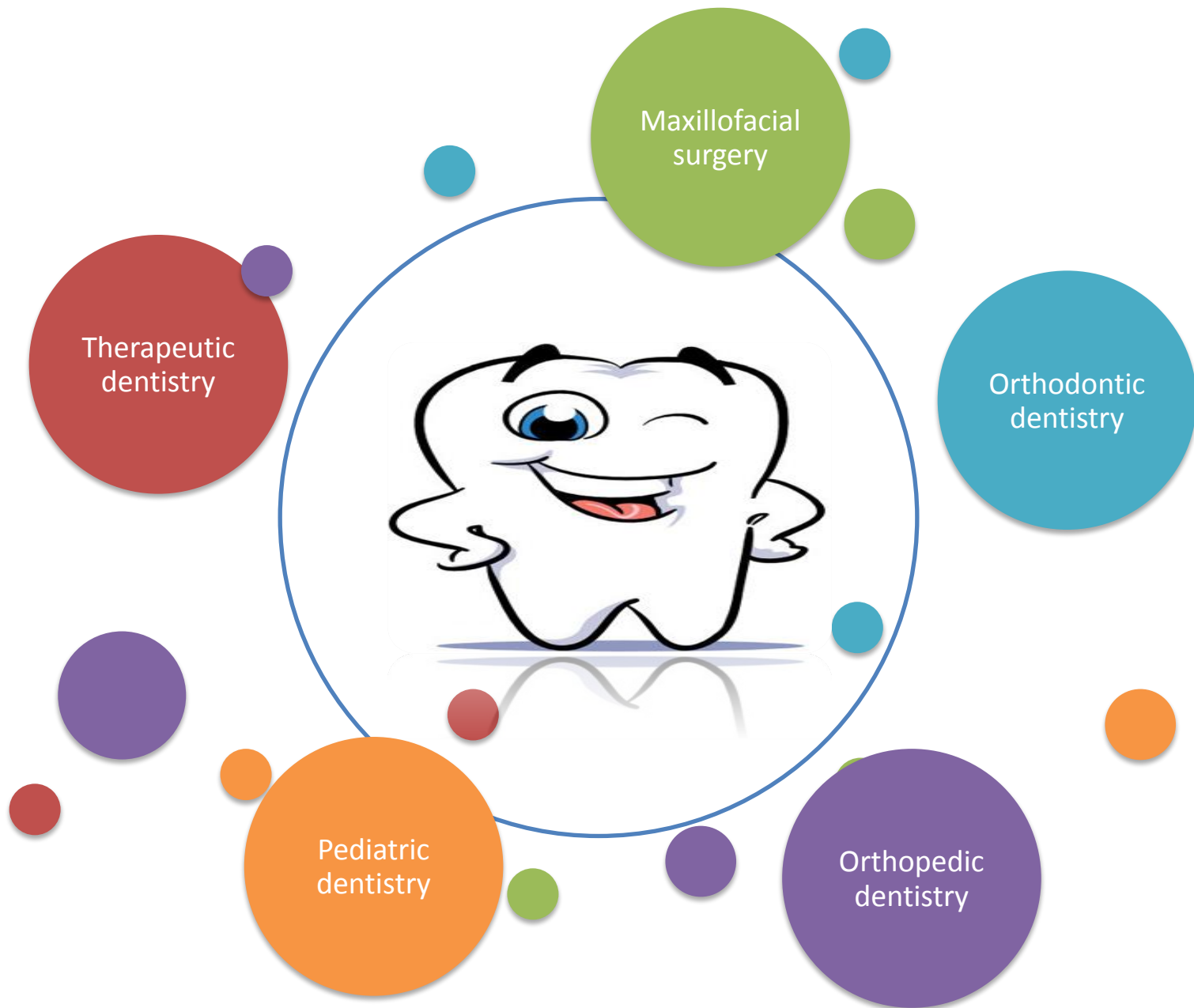
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INTRODUCTION

Orthopedic dentistry focuses on diagnosis, treatment and prosthesis of violations of dento-facial system integrity. The main task is a complete restoration of masticatory function of the teeth. Still, the importance is given not only to restoration of teeth integrity, but to the reappearance of a charming smile as well. Dental prosthesis is performed in a strictly individual manner, based on the clinical picture and the patient's preferences.

Prostheses are divided into two types

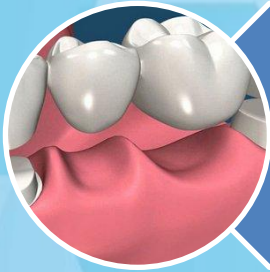
Fixed prostheses

Fixed prostheses attach to the surface of the tooth with cement.

- Veneers
- Tabs
- Artificial tooth crown
- Bridges

Removable prostheses

- Partial removable prostheses
- Complete removable prostheses



Bridges are used in cases where one or more teeth are missing.



Artificial tooth crown



Removable prostheses

Veneers

- Alongside the main methods of treatment, the modern dentistry has mastered and is the practice of practicing methods of micro-prosthesis which include placement of veneers. Below are the cases where placement of veneers is recommended:
 - – Uneven teeth,
 - – Enamel damage caused by diverse factors,
 - – Enamel infections caused by non-carious lesions,
 - – Teeth stains, discolorations.

- The advantages of veneers:
- veneers provide a very life-like and natural tooth appearance,
- the color of veneers is not affected by coffee, cigarettes, they are stain resistant and color stable



Lumineers

Lumineers are ultra-thin layers crafted of extremely durable ceramics. Such cosmetic coatings have a thickness of 0.2-0.3 mm. This type of cosmetic coatings is largely demanded despite its high value.



Below are the cases where placement of lumineers is recommended:

- Diastemas (gaps between teeth) and misalignment of teeth,
- Enamel cracks or broken teeth,
- Tooth discoloration. A lumineer is also an alternative method of teeth whitening. Lumineers can be used to change the tooth color which will last very long as lumineers never change their color,
- To restore the flaws of the old orthopedic appliances which are not required to be removed (metal ceramic crown fractures, receding teeth).

conclusion

The quality of these materials is constantly enhancing allowing to give a natural look to artificial teeth and to provide the patient with maximum possible comfort.