

# Prosthetics II., III. Addition and feedback

# What is inlay?

- Rigid filling.
- Replacing a part of tooth crown or more?
- Made of metal alloy, ceramics or composite?
- Usually indirect method – describe the principle of direct and indirect method for inlays made of metal alloys.
- Describe the sequence of operations during fabrication of the root canal inlay.
- Which part does the root canal inlay consist of?
- What is the principle of the retention of inlays?

# Crowns

What is a crown?

Which crowns do you recognise, describe them.

Describe the tooth reductions (the thickness of the hard dental tissues which must be removed) and the border of the preparation (type of shoulder and its width).

# Bridges

- Which parts does the fixed bridge consist of?
- Describe the basic rules of fabrication of pontic (the reduction). Which material can be in contact with gingiva?

# Sequences of operation

- Describe the sequences of operations during the fabrication of metalceramic bridge and the bridge with full metal and facette crowns.
- Describe the impression techniques for fixed dentures.

# Jacket crowns

- Describe the preparation for the jacket crowns.
- Which impression techniques can be used?
- Describe sequences of operations during fabrication of resin and ceramic jacket crowns.

# Jackett crown

- Resin
- Ceramics

# Jacket crown

- Resin
- Ceramics



# Jacket crown

- Resin

C+B

Composit

# Jacket crown

- Resin

C+B.

1. Surgery: Tooth preparation (sharp rectangle shoulder), taking impressions. Choice of the colour.
2. Lab: Pouring of impressions, wax pattern – pink modelling wax.
3. Putting of the wax pattern into a flask with gypsum
4. Removal of wax with hot water
5. Application of resin dough into this form
6. Closing the flask, polymerization using heating.
7. Finishing and polishing
8. Surgery: Cementation

# Jacket crown

- Resin

## Composite

1. Surgery: Tooth preparation (sharp rectangle shoulder), taking impressions.
2. Lab: Pouring of impressions, free modellation in the model.
3. Polymerization.
4. Finishing and polishing.
5. Surgery: Cementation.

# Jacket crown

- Ceramics

## Composite

1. Surgery: Tooth preparation (sharp rectangle shoulder), taking impressions. Choice of the colour.
2. Lab: Pouring of impressions.
3. Modelling of the crown of ceramic powder mixed with liquid, burning of each layer.
4. Surgery: Cementation