

# Karaganda State Medical University

## The chair of foreign languages

### Equipment and instruments of dental clinic.



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# Endo motor – Silver Reciproc – VDW.

Endodontics includes a treatment of root canals inside the tooth. Inside these canals, there is dental pulp, which is removed if there is inflammation in the tooth, thus creating a space inside the tooth. This space has to be treated, extended, cleaned and then filled so that the tooth can regain its functions. Machine root canal treatment guarantees better cleaning, extension and simplification of the complex root system and creates ideal conditions for filling the root canals.

# Apex locator – Raypex 5 – VDW

This device is used in endodontic treatment. It is used to measure the length of the root canal space precisely and to determine the position of apical foramen, a narrow opening at the apex of the dental root, through which the nerve and blood vessels supplying the dental pulp (cavity inside the tooth) pass from the adjacent bone. For a long-term success of the endodontic treatment, it is vital to treat and fill the root canal right up to this opening. Apex locator compares the tissue resistance between two electrodes. A small metal hook is placed into the corner of the lip of the patient and acts as one electrode. The second electrode is connected to the instrument, which is used for treating the dental root. This measurement is completely painless.

# Electrocauter ART

This device is used to treat soft tissues (gums, fimbriated fold of the tongue). The device works with a high frequency electric current and can be used for coagulation (cessation of bleeding) or for incision. An advantage of the incision by an electric current is a significantly lower post-operative painfulness and quicker healing than if the usual surgical tools (scalpels) are used. During the incision and most importantly immediately after the incision, the tissue does not bleed, which makes it possible to perform surgical interventions during one visit that would require breaking up into two visits with several days for healing of the treated soft tissue if the traditional tools were used.



# Mirror.

Dental mirrors are used by the dentist or dental auxiliary to view a mirror image of the teeth in locations of the mouth where visibility is difficult or impossible. They also are useful for reflecting light onto desired surfaces, indirect vision, and with retraction of soft tissues to improve access or vision



# A high-speed dental handpiece

- Dental handpieces come in many varying types which include: High speed air driven (also known as an airtor), slow speed, friction grip, surgical hand piece. Straight handpiece with a sharp bur.



# Страдательный залог

- ◎ Valid and passive voice in English the same as the value of the respective mortgages in Russian. The verb in the active voice (Active Voice) shows that the action makes a person or an object, expression of the subject.
- ◎ He often asks questions. He often asks questions.
- ◎ The verb in the passive voice (Passive Voice) means that the action is directed at the object or person, expressed subject.
- ◎ He is often asked questions. He frequently asked questions.
- ◎ The forms of the passive voice formed with verb to be in the appropriate form and Participle II (Communion II) sense verb