

Database of questions for the Medical-Dental Final Examination (LDEK)

Part 2

Orthodontics

Modified 18.12.2023

1. Drug-induced gingival hyperplasia occurs usually 3 months post starting of pharmacotherapy with following drugs:

- 1) phenytoin;
- 2) paracetamol;
- 3) amlozek;
- 4) cyclosporine A;
- 5) accupro.

Correct answer is:

- A.** 3,5. **B.** 1,2,3. **C.** 1,3,4. **D.** 4,5. **E.** 1,2,5.

2. Factor differentiating morphological retrogenia and complete distocclusion in a 9-year-old child is/are:

- A.** molars' relations.
- B.** upper and lower canines' relations.
- C.** overbite size.
- D.** overjet size.
- E.** facial features.

3. Odd numbered anthropometric point located on the medial face line are:

- A.** tragon, nasion, prosthion, pogonion.
- B.** glabella, nasion, subnasale, gonion.
- C.** trichion, glabella, stomion, pogonion.
- D.** nasion, orbitale, pogonion, gnation.
- E.** tragon, glabella, nasion, pogonion.

4. Active elements in upper Schwarz plate include:

- A.** active straight labial arch, Adam's clasp.
- B.** labial arch with a pelota, screw.
- C.** screw, straight plane.
- D.** acrylic plate, active straight labial arch.
- E.** screw, closed springs.

5. Processes determining correct development of occlusion during child's growth include:
- 1) in primary dentition occlusal plane has straight course;
 - 2) in primary dentition dental arches shape is of a half-elipsoid and every arch contains 10 teeth;
 - 3) in a 3-year-old child, the line post molars is straight;
 - 4) upper incisors cover half of the lower incisors' height in a 1-year-old child;
 - 5) first physiological mandible protrusion causes flattening of the overbite on incisors in the period immediately preceding dentition change.

Correct answer is:

- A.** 1,5. **B.** 1,3. **C.** 3,5. **D.** 4,5. **E.** 2,4.

6. Choose correct statement regarding the Frankel's function regulator:
- A.** it is a bimaxillary appliance, in which both palatal and lingual arch is connected with palatal arch.
 - B.** the appliance is built out of two acrylic discs reaching from lateral incisors to molars, spaced apart from buccal surfaces of teeth and alveolar processes by 2 mm.
 - C.** such appliance causes retraction of cheeks and lips from dental arches and releases the modeling function of the tongue.
 - D.** It is a spring bimaxillary appliance, which uses the function of wire elements and activating muscles.
 - E.** it is a passive appliance used in combating habits.

7. Feature differentiating partial anterior crossbite and partial mesiocclusion is/are:
- A.** incisors' relation.
 - B.** molars' relation.
 - C.** overbite size.
 - D.** medial line distortion.
 - E.** facial features.

8. Choose malocclusions coexisting with mispronunciation:

- 1) distocclusions;
- 2) teeth crowding;
- 3) open bites;
- 4) mesiocclusion;
- 5) cross bites.

Correct answer is:

- A.** 1,2,5. **B.** 1,3,4. **C.** 2,3,5. **D.** 3,4,5. **E.** 2,3,4.

9. Choose correct statement:

- A.** index by Garson is used for estimation of dental arches width.
- B.** biometric field for children up to 7 years old is determined by Simon's and Dreyfus planes.
- C.** increased overbite occurs in pseudo distocclusion.
- D.** in adults, lips rest before the esthetic plane E.
- E.** mandibular angle value in an infant is 120 to 130°.

10. Choose correct statements regarding myotherapy:

- A.** biting exercise, meaning pressing the lower incisors to upper ones, which increases the tension of labial muscles.
- B.** active and passive myotherapy can be performed by patients of all ages.
- C.** Roger's exercise is used in the treatment of anterior malocclusions.
- D.** in lateral functional mandible displacement, biting a rubber hose on the impaired side is recommended.
- E.** in lateral functional displacement of the mandible, biting on the rubber hose on the side of the disorder is used.