

The algorithm of the student's action on the practical skill: "Conducting electric pulp test."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Prepare the EPT device
8. Carefully isolate the causative tooth and next teeth from saliva with cotton rolls
9. Air dry the teeth to be examined
10. Attach the mouthpiece to one of the corners of the mouth
11. Select the "Low" mode on the device
12. Apply a drop of toothpaste to the contact surface of the tooth between the test electrode and the teeth
13. Press the start button
14. Install a test electrode on the tooth (chewing - tubercles; frontal teeth - cutting edge) next to the causative
15. Slowly increase the current strength (normal 2-6 μA , caries 2-6 μA , pulpitis 15-100 μA , periodontitis above 100 μA)
16. Fix the result at the first appearance of pain
17. Install a test electrode on the causative tooth
18. Slowly increase current
19. Fix the result at the first appearance of pain
20. Make a conclusion based on the results
21. Remove gloves and place them in a waste container
22. Wash your hands.

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Gerasymova I.

The algorithm of the student's action on the practical skill: "Imposition of an isolating liner."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Isolate the tooth from saliva
8. Make the application of the adhesive system according to all the rules
9. Prepare photopolymer isolating liner
10. Provide an isolating liner (1mm thick) into the carious cavity and spread it there with a ball burnisher
11. Cure the liner for 20 seconds.
12. Remove the gloves and place them in the waste container
13. Wash your hands.



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Gerasymova I.

The algorithm of the student's action on the practical skill: "Conducting a differential diagnosis of a decubital ulcer."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Conduct a differential diagnosis of decubital ulcer with CRAS
8. Conduct a differential diagnosis of a decubital ulcer with a hard chancre
9. Conduct a differential diagnosis of a decubital ulcer with necrosis in blood diseases
10. Conduct a differential diagnosis of a decubital ulcer with a trophic ulcer
11. Conduct a differential diagnosis of a decubital ulcer with a tuberculous ulcer
12. Remove the gloves and place them in the waste container
13. Wash your hands.



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Gerasymova I.

The algorithm of the student's action on the practical skill: "Diagnostic use of a caries detector."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Prepare caries detector and microbrush
8. Rinse the carious cavity with a jet of water
9. Dry the carious cavity with a jet of air
10. Introduce the caries detector into the carious cavity with the help of a microbrush and spread it well there
11. Wait no more than 10 seconds
12. Wash off the detector with a jet of water
13. Make a conclusion (affected tissues remain colored in different shades: the deeper the process, the brighter the shade. And the better the surface was dried before application, the more clearly the problem areas will be visible. The marked areas are removed with a burr. The caries detector is applied again until then until the dye no longer lingers in the tissues when washed off with water).
14. Remove the gloves and place them in the waste container
15. Wash your hands.

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Gerasymova I.



The algorithm of the student's action on the practical skill: "Interpretation of the endodontic x-ray."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Evaluate the quality of the radiograph (contrast, sharpness, shortening of the teeth)
8. Determine the studied area (determine which jaw, which group of teeth, name)
9. Assess the state of the X-ray anatomical structure of the tooth:
 - the state of the crown, the presence of a carious cavity, filling, filling defect, the ratio of the bottom of the carious cavity to the tooth cavity
 - characteristics of the tooth cavity, the presence of filling material, denticles
 - state of roots, quantity, shape, size, contours
 - characteristics of root canals, width, direction, degree of filling;
 - assessment of the periodontal gap (uniformity, width), the state of the compact plate of the socket (preserved, destroyed, thinned, thickened)
10. Assess the periapical bone structure:
 - determine the presence of osteoporosis, destruction, osteosclerosis, inflammation at the apex, resorption by the type of granuloma, hypercementosis
11. Make a diagnosis
12. Remove gloves and place them in a waste container
13. Wash your hands.

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Gerasymova I.



The algorithm of the student's action on the practical skill: "Removal of necrotic plaque in the treatment of ulcerative necrotic gingivitis."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Isolate the affected area of the gums, install a saliva ejector
8. Explain the purpose of the manipulation aloud
9. Dissolve trypsin (0.01g) in isotonic sodium chloride solution (10ml)
10. Dry the affected area with a cotton rolls
11. Moisten a strip of gauze with an enzyme solution and apply to the affected area for 15 minutes (5 minutes 3 times)
12. Remove necrotic plaque with a cotton roll
13. Repeat the procedure if necessary
14. Make a conclusion (gingival surface without dirty gray necrotic plaque, clean, bleeds when touched).
15. Remove the gloves and place them in the waste container
16. Wash your hands.

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Gerasymova I.

The algorithm of the student's action on the practical skill: "Conducting a differential diagnosis of systemic hypoplasia."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Carry out differential diagnosis of hypoplasia with fluorosis (oral)
8. Carry out differential diagnosis of hypoplasia with acid necrosis (oral)
9. Carry out differential diagnosis of hypoplasia with caries using a caries detector (see algorithm)
10. Make a conclusion after using the drug
11. Make a diagnosis
12. Remove gloves and place them in a waste container
13. Wash your hands.

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Gerasymova I.

A handwritten signature in blue ink, appearing to read 'I. Gerasymova', is positioned below the typed name.

The algorithm of the student's action on the practical skill: "Scheme of the survey of the dental patient."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Collect patient complaints (what hurts, exact localization, when it hurts, factors causing pain, nature of pain, its intensity and duration, bleeding gums, halitosis, etc.)
8. History of the disease (when the problem appeared for the first time, what feelings did it start with, factors contributing to the disease, did you treat this disease earlier, if yes, what were the results of the treatment, when did you treat it, did you self-medicate, the frequency of exacerbations, etc.)
9. History of life (previous diseases (especially pay attention to diseases such as HIV, tuberculosis, hepatitis, COVID-19), chronic diseases, household history, work history, nutrition, bad habits, epidemiological history, allergic history, heredity)
10. Remove gloves and place them in a waste container
11. Wash your hands.

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Gerasymova I.

A handwritten signature in blue ink, appearing to read 'I. Gerasymova', is positioned in the lower-left quadrant of the page.

Algorithm of the student's action on practical skill: "Scheme of examination of the causative tooth".

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Examine the tooth:
 - assess the color of the tooth crown
 - anatomical shape and integrity of the tooth crown
 - assess the quality of the restoration
8. Carry out probing:
 - determine the depth of the lesion
 - determine the density of tissues
 - determine tissue tenderness
9. Conduct percussion:
 - determine the reaction of the apical periodontium (vertical percussion)
 - determine the reaction of the marginal periodontium (horizontal percussion)
 - determine the reaction of an intact tooth (neighboring teeth, a tooth of the same name on the other side of the jaw) (comparison)
10. Remove gloves and place them in a waste container
11. Wash your hands.



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Gerasymova I.

The algorithm of the student's action on the practical skill: "Determining the depth of the periodontal pocket."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Prepare a graduated periodontal probe with a rounded tip with a diameter of 0.5-0.6mm
8. Isolate teeth from saliva
9. Insert the probe into the periodontal pockets of the tooth from 4 sides (introduce slowly until you feel resistance)
10. Measure the depth of the periodontal pockets in 4 directions
11. Take into account the maximum depth of the periodontal pocket of each examined tooth
12. Remove gloves and place them in a waste container
13. Wash your hands.

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Gerasymova I.

A handwritten signature in blue ink, appearing to read 'I. Gerasymova', is located in the lower-left quadrant of the page.

The algorithm of the student's action on the practical skill: "Determining the mobility of the teeth."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Prepare dental tweezers
8. Dry teeth with a jet of air
9. Grasp the crown of the tooth with tweezers and determine the mobility in the vestibulo-oral direction
10. Grasp the crown of the tooth with tweezers and determine the mobility in the medio-distal direction
11. Use the reverse side of the tweezers to determine the mobility of the teeth in the vertical direction
12. Interpret the results:
 - 1 degree - mobility in any one direction (vestibular, oral, distal, medial)
 - Grade 2 - mobility in two directions (vestibulo-oral or medio-distal directions)
 - 3 degree - in all directions, including vertical
13. Remove gloves and place them in a waste container
14. Wash your hands.

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Gerasymova I.

A handwritten signature in cursive script, appearing to read 'I. Gerasymova', is located in the lower-left quadrant of the page.

The algorithm of the student's action on the practical skill: "Deep fluoridation of teeth."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Clean all surfaces of the teeth with a brush (with low-speed) and a fluoride-free toothpaste
8. Carry out antiseptic treatment of the oral cavity with a solution of chlorhexidine
9. Isolate teeth from saliva
10. Actively apply the solution to the prepared tooth surface using a microbrush
11. After a minute, remove the solution with a cotton rolls
12. Apply the suspension for 1 minute
13. Rinse with a jet of water
14. Give recommendations to the patient:
 - do not eat for 2 hours
 - avoid sugary and acidic drinks during the day
 - do not brush teeth for 12-24 hours
15. Remove the gloves and place them in the waste container
16. Wash your hands.

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Gerasymova I.



The algorithm of the student's action on the practical skill: "Irrigation of root canals."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Isolate the tooth from saliva
8. Rinse the tooth canal with 3% sodium hypochlorite solution using an endodontic needle and syringe No. 1 (hold for 2 minutes)
9. Activate sodium hypochlorite with an endoactivator (heating the solution greatly enhances the dissolving activity of the irrigant)
10. Rinse the canal with distilled water using an endodontic needle and syringe No. 2
11. Conduct an exposure of EDTA 17% (introduce the solution on a paper point or a file with a cotton turunda)
12. Rinse the canal with distilled water using an endodontic needle and syringe No. 2
13. Dry the canal thoroughly with paper points
14. Remove gloves and place them in a waste container
15. Wash your hands.

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Gerasymova I.



The algorithm of the student's action on the practical skill "Application of the adhesive system when filling superficial caries under photopolymer material"

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Dynamic etching of enamel with 30-40% phosphoric acid gel for 20 sec. (Dynamic etching of enamel - rubbing the gel into the enamel using microbrushes to prevent the formation of pieces of un-etched enamel, the emergence of a "white" line, marginal staining of the restoration).
8. Thorough irrigation of the cavity with water (30 sec.) And light drying (the enamel should become matt white, and the dentin should be slightly wet)
9. Application of the adhesive system (it is important to remember that the amount of adhesive layers is determined by the manufacturer's instructions). The applied adhesive should be lightly rubbed into the etched fabric, and before starting to dry it, wait pause for 15-20 seconds for the prevention of nano-leaks. During this time, the adhesive penetrates the tissue to the full depth of demineralization
10. Drying of the adhesive takes approximately 30 seconds. (Use a stream of compressed air to carefully remove excess solvent until all 'waves' are gone).
11. Polymerization of the adhesive with a light cure lamp for about 10-20 sec. (see the manufacturer's instructions for the specific adhesive system)
12. Remove gloves and place them in a waste container
13. Wash your hands.



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Gerasymova I.

The algorithm of the student's action on the practical skill: "Preparation of carious cavities of I and V classes by Black, taking into account the type of filling material"

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Prepare for preparation:
 - take a suitable handpiece, burs;
 - put the handpiece on the sleeve, fix the bur and check the operation of the handpiece outside the oral cavity and the reliability of the bur fixation;
 - take away the soft tissues of the cheek or tongue with a mirror (for lateral teeth) or fix the tooth with the thumb and forefinger of the left hand (for frontal teeth);
 - taking the handpiece like a writing pen, raise it to the tooth, fix the right hand on the patient's chin or dentition
8. Opening and widening the carious cavity:
 - using a fissure burr (spraying movements) or spherical (chipping movements) at high speed, remove the overhanging edges of the enamel (using a turbine handpiece);
 - use a medium-sized fissure bur to smooth the edges of the enamel, excise affected fissures (I class), round off sharp corners;
 - at V class. - in the mesio-distal direction, expand the cavity to the rounding of the crown, the gingival wall - to the level of the gums or slightly below them, up - to the limit of the middle and cervical third crown.)
9. Perform a necrectomy:
 - using an excavator of the appropriate size, remove the main part of the softened dentin from the bottom to the walls of the cavity (in case of acute medium and deep caries);
 - complete the removal of altered dentin from the bottom and walls of the cavity with a round bur of the appropriate size at low speed (it is possible to preserve softened dentin on the bottom in case of acute deep caries)
 - in case of chronic caries of various depths, only a turbine handpiece with different burs can be used
10. Cavity shaping:
 - ❖ for amalgam, silicate and silicophosphate cements:
 - in case of superficial and medium caries, create a box-shaped cavity with the help of a fissure and inverse cone bur of the appropriate size (I class); at V class. - create a slight convergence of the walls;
 - in case of deep caries, create parallel walls, form the bottom taking into account the topography of the tooth cavity (with a step - class I, with a convex bottom - class V);
 - make a repotential furrow in the area of enamel-dentine junction with a wheel-shaped burr (at low speed)
 - ❖ 2. for composites and glass ionomer cements:
 - round off the inner corners of the cavity with a round or oval burr;
 - at V class. for composites - make a cut in the wall with a wheel-shaped bur (to prevent microleakage).
11. Create an enamel bevel:
 - in the case of amalgam filling – bevel the edges of the enamel with a diamond or carborundum stone at an angle of 45°C throughout the entire thickness of the enamel;
 - when filling with composite, bevel the edges of the enamel at an angle of 45°C by half the thickness of the enamel.

12. Smoothen the edges of the enamel (finishing):

- use a fine-grained diamond head (yellow marking) with air-water cooling to smooth the edges of the enamel.

13. Remove gloves and place them in a waste container

14. Wash your hands.

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Gerasymova I.

A handwritten signature in blue ink, appearing to read "I. Gerasymova". The signature is written in a cursive style with a horizontal line above the first letter.

The algorithm of the student's action on the practical skill: "Preparation of carious cavities II - IV classes by Black, taking into account the type of filling material"

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Prepare for preparation:
 - take a suitable handpiece, burs;
 - put the handpiece on the sleeve, fix the bur and check the operation of the handpiece outside the oral cavity and the reliability of the bur fixation;
 - take away the soft tissues of the cheek or tongue with a mirror (for lateral teeth) or fix the tooth with the thumb and forefinger of the left hand (for frontal teeth);
 - taking the handpiece like a writing pen, raise it to the tooth, fix the right hand on the patient's chin or dentition
8. Bring the cavity to the chewing (lingual, vestibular) surface if there is a nearby tooth:
 - thin out hard tissues above the cavity (closer to the edge of the tooth) with a carborundum stone, diamond bur or a head (at high speed it is better with a turbine handpiece);
 - a small fissure or spherical bur "fall" into the carious cavity
9. Open and expand the carious cavity:
 - use a fissure burr (spraying movements) to remove and align the overhanging edges of the enamel;
 - expand the cavity in the buccal-lingual direction (II class) to the rounding of the crown, without affecting the corners;
 - when filling with glass ionomer cement, enamel can be left without dentine support.
10. Perform a necrectomy:
 - using an excavator of the appropriate size, remove the main part of the softened dentin from the bottom to the walls of the cavity (in case of acute medium and deep caries);
 - complete the removal of altered dentin from the bottom and walls of the cavity with a spherical bur of the appropriate size at low speed (it is possible to preserve softened dentin on the bottom in case of acute deep caries)
 - in case of chronic caries of various depths, only a turbine handpiece with different burs can be used
11. Formation of the main cavity:
 - ❖ for amalgam, silicate and silicophosphate cements:
 - using a fissure burr to create a box-shaped cavity (with a bottom perpendicular to the walls) for medium caries and an oval-shaped bottom for deep caries;
 - using a reciprocating cone bur to form a gingival wall at a right or sharp angle to the bottom of the cavity (to avoid injury to the gingival papilla)
 - ❖ for composites and glass ionomer cements:
 - round off the internal corners of the cavity with a spherical or oval burr
12. Remove gloves and place them in a waste container
13. Wash your hands.

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Gerasymova I.

The algorithm of the student's action on the practical skill: "The imposition of a light curing medical liner."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Isolate teeth from saliva
8. Prepare a treatment liner (put the cannula on the syringe)
9. Dry the tooth cavity with Pele Tim foam pads
10. Apply a medical liner to the bottom of the carious cavity (0.3-0.5mm)
11. Distribute with a ball plugger
12. Make polymerization for 20 seconds
13. Apply the liner with a second layer (up to 1.5mm)
14. Make polymerization for 20 seconds
15. Remove the gloves and place them in the waste container
16. Wash your hands.

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Gerasymova I.

A handwritten signature in blue ink, appearing to read "I. Gerasymova". The signature is written in a cursive style with a horizontal line above the first few letters.

The algorithm of the student's action on the practical skill: "Training the patient in individual hygiene in periodontal diseases."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Prepare the demo model
8. Show and explain how to work with floss
9. Show and explain working with intradental brushes
10. Show and explain the operation of the irrigator
11. Explain how and why mouthwash is used
12. Explain how and why chewing gum is used
13. Explain in which case it is not enough for the patient to use only paste and brush
14. Remove the gloves and place them in the waste container
15. Wash your hands.

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Gerasymova I.

A handwritten signature in blue ink, appearing to read 'I. Gerasymova', is positioned in the lower-left quadrant of the page.

The algorithm of the student's action on the practical skill: " Training the patient in individual hygiene with catarrhal gingivitis."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Prepare the demo model and toothbrush
8. Show and explain the position of the jaws during brushing (jaws separated)
9. Show and explain the position of the brush during brushing (at an angle of 45°C)
10. Show and explain the movements of the brush during cleaning of the vestibular and oral surfaces of the tooth of the upper jaw (from top to bottom - from the neck to the cutting edge)
11. Show and explain the movements of the brush while cleaning the chewing surface of the tooth of the upper jaw (horizontal and circular movements)
12. Show and explain the movements of the brush while cleaning the vestibular and oral surfaces of the lower jaw tooth (bottom-up - from the neck to the cutting edge)
13. Show and explain the movements of the brush while cleaning the chewing surface of the lower jaw tooth (horizontal and circular movements)
14. Remove the gloves and place them in the waste container
15. Wash your hands.



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Gerasymova I.

The algorithm of the student's action on the practical skill: "Carrying out differential diagnosis in the initial caries."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Conduct a differential diagnosis with fluorosis
8. Conduct a differential diagnosis with superficial caries using a caries detector (see algorithm)
9. Evaluate the results after using the drug
10. Make a conclusion regarding the next work
11. Remove gloves and place them in a waste container
12. Wash your hands.

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Gerasymova I.

A handwritten signature in blue ink, appearing to read 'I. Gerasymova', is located in the lower-left quadrant of the page.

The algorithm of the student's action on the practical skill: "Imposition of a temporary filling from dentin paste."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Isolate the tooth from saliva
8. Prepare dentin paste and instruments
9. Apply dentine paste with a smoother in one portion into the tooth cavity
10. With light movements of a tight cotton swab, remove excess material
11. Tell the patient to bite on the tooth (to give an anatomical shape to the filling)
12. Warn the patient that he should not eat for 2 hours
13. Warn the patient that the material hardens for 10-12 hours
14. Remove the gloves and place them in the waste container
15. Wash your hands.



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Gerasymova I.

The algorithm of the student's action on the practical skill: "First aid for acute forms of periodontitis."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Clean the tooth from plaque with a brush and paste
8. Isolate the tooth from saliva
9. Carry out the preparation of the carious cavity (see the algorithm)
10. Open the cavity of the tooth (remove the dentin bridge and expose the roof of the pulp chamber using a round-shaped burr)
11. Make access to the root canal (using burs to remove the pulp chamber)
12. Perform pulp extirpation (see algorithm)
13. Make a determination of the length of the root canal (see the algorithm)
14. Make mechanical processing of the root canal (see the algorithm)
15. Carry out drug treatment of the root canal (see the algorithm)
16. Leave the tooth open (for the outflow of exudate through the root canal)
17. Give recommendations to the patient about taking medications at home (antibiotics, desensitizing, anti-inflammatory)
18. Remove the gloves and place them in the waste container
19. Wash your hands.

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Gerasymova I.



**The algorithm of the student's action on practical skill:
"Instrumentation of the root canal using the Step-back technique."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. On K-files (08-10-15-20-25 size) set the stoppers to the working length of the root canal
8. Insert the first instrument into the root canal to the working length (using the technique of “winding a mechanical watch”, make 2-3 movements clockwise and counterclockwise by ¼ turn)
9. Thoroughly clean and check the file after being removed from the channel
10. Irrigate the root canal
11. Repeat steps 8, 9 using the following file
12. Irrigate the root canal
13. Perform a control passage of the canal with the previous size of the tool (to prevent blocking the apical hole with leftovers)
14. Further expansion of the root canal is carried out with files of increasing sizes, reaching a minimum of 25 sizes. Approximate sequence of files usage: 10-15-10-20-15-25-20
15. On K-file No. 30, install a stopper 1 mm less than the working length of the tooth. On each subsequent file number, reduce the working length by another 1 mm (No. 30-1mm, No. 35-2mm, No. 40-3mm)
18. Repeat actions similar to those described in paragraph 8, paragraph 9, paragraph 10 with files of the appropriate sizes: 30-25-35-30-40
19. Reciprocating movements process the root canal along the entire length with the H-file No. 25
20. Irrigate the root canal
21. Remove the gloves and place them in the waste container
22. Wash your hands.

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Gerasymova I.



**The algorithm of the student's action on practical skill:
" Filling of a carious cavity using photopolymer material."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Determine the color of the tooth:
 - use the VITA color scale to determine the basic tooth shade and its saturation;
 - evaluate individual color features: determine the shade of the neck of the tooth, incisal edge, contact surfaces using the color scale;
 - determine the topography of transparent areas;
 - evaluate the individual features of the morphological structure of the enamel, affecting the processes of reflection and refraction of light
8. Isolate the tooth from saliva
9. Prepare filling material of the appropriate color
10. Carry out the introduction of filling material into the cavity:
 - to introduce the material layer by layer (1.5 - 2 mm thick) taking into account the possibility of directed polymerization;
 - distribute the material over the surface with a plugger with a certain pressure starting from the center;
 - to give it the form necessary for filling;
 - polymerize each layer separately (at a distance of no more than 5 mm);
 - when applying the last (surface) layer, simulate the relief of the restored part of the tooth (bumps, furrows, ridges);
 - after applying a filling on the contact surface and removing the matrix, additionally light the interdental space from the buccal and lingual sides for 20 seconds;
 - Attention: for extensive restorations, restore dentin with opaque material (opaque material - Dentin, incisal material - transparent - Incisal), then, restore the shape of the tooth with enamel imitation (Enamel)
11. Carry out polymerization of the filling material (20s each layer)
12. Prepare mechanical handpiece and polishing brush
13. Grind the seal (see the algorithm)
14. Polish the filling (see the algorithm)
15. Applying a protective varnish (fluorine-containing)
16. Remove the gloves and place them in the waste container
17. Wash your hands

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Gerasymova I.

**The algorithm of the student's action on practical skill:
" Filling the root canal with calcium hydroxide using a rotary paste filler."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Choose a channel filler of the appropriate size
8. Fix the stopper to the working length of the canal
9. Fix the channel filler in the handpiece
10. Prepare calcium hydroxide
11. Dip the working part of the rotary paste filler into the filling material
12. Insert the instrument into the canal to the working length
13. Turn on the machine at low speed (100-120 rpm) for 2-3 seconds
14. Remove the instrument slowly from the channel while the machine is running
15. Stop the rotation of the instrument and again dip the working part of the rotary paste filler in the filling material
16. Insert the instrument into the canal at 2/3 of the working length
17. Repeat the procedure and insert the instrument into 1/3 of the channel
18. Seal the material with a cotton ball
19. Remove excess material with a Pele Tim foam pad
20. Put a foam swab on the bottom of the carious cavity
21. Fill the carious cavity with a temporary filling (see the algorithm)
22. Remove gloves and place them in a container for used materials
23. Wash your hands

Ass. Prof., Department of Therapeutic Dentistry



Gerasymova I.

The algorithm of the student's action on practical skill:

" Installation of a sectional matrix in the treatment of caries, 2 class dy Black."

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Prepare separating wedges of the required size
8. Carry out separation preparation with wooden separation wedges
9. Wait 10 minutes
10. Choose the required matrix size
11. Remove the separation wedges from the interdental space
12. Fix the matrix in the matrix holder
13. Install the matrix system on the proximal part of the tooth
14. Fix with wooden wedges
15. Remove the gloves and place them in the waste container
16. Wash your hands



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Gerasymova I.

**The algorithm of the student's action on practical skill:
" Insertion of Metrogil-dent gel into the periodontal pocket."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Attach the cannula to the tip of the syringe
8. Remove the plunger from the syringe
9. Squeeze out the gel from the tube into the syringe barrel
10. Isolate the area of the procedure
11. Insert the cannula into the lumen of the periodontal pocket and inject the preparation
12. Check that the cannula does not enter the periodontal tissues, but is only in the lumen of the pocket
13. Remove the gloves and place them in the waste container
14. Wash your hands

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Gerasymova I.

A handwritten signature in blue ink, appearing to read 'I. Gerasymova', is located in the lower-left quadrant of the page.

**The algorithm of the student's action on practical skill:
" Treatment planning for hypertrophic gingivitis during pregnancy."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Write a treatment plan:
 - carrying out the correction of the oral cavity (use indicators of microbial plaque, a probe, a mirror, and then, using demonstration models, adjust the patient's individual hygiene)
 - professional oral hygiene (scalers, excavators, curettes, polishing brushes, paste, Air flow, remineralization agents)
 - conducting local anti-inflammatory therapy (oral baths from antiseptic solutions (Chlorhexidine), 3-5 minutes 2 times a day, after brushing teeth for 5-7 days; washing false pockets, applications with antibacterial, antimicrobial agents in a clinic)
 - carrying out general drug treatment (multivitamin complexes for a month, vitamin C orally 0.1 g 3-4 times a day for a month, vitamin E orally 50-100 mg / day for a month)
8. Carry out oral hygiene control (preliminary cleaning of teeth by the patient, staining of teeth with a plaque indicator, demonstration of the saved areas with plaque to the patient, repeated brushing of teeth under the supervision of a doctor)
9. Carry out dental sanitation (treatment of diseases of hard tissues of teeth, pulp and periodontium, replacement of fillings, removal of teeth according to indications)
10. Remove the gloves and place them in the waste container
11. Wash your hands

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Gerasymova I.



**The algorithm of the student's action on practical skill:
" Preventive coating of teeth with fluoride varnish."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Thoroughly clean teeth with toothpaste and brush (mechanical tip)
8. Isolate teeth from saliva
9. Evenly apply fluoride varnish on the surface of the teeth using the applicator
10. Dry with air flow
11. Wait 4-5 minutes
12. Give recommendations to the patient:
 - do not eat or drink for one hour
 - consume only liquid food during the day
 - do not brush teeth during the day
13. Remove the gloves and place them in the waste container
14. Wash your hands.

Ass. Prof., Department of Therapeutic Dentistry

Gerasymova I.



**The algorithm of the student's action on practical skill:
" Pulp extirpation in chronic gangrenous pulpitis."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Prepare a pulp extractor of the required size
8. Moisten the pulp extractor in an antiseptic solution
9. Insert the instrument into the canal for 1/3 of the working length of the canal
10. Rotate the tool 180°C
11. Remove the instrument from the canal
12. Clean the instrument in an antiseptic solution
13. Insert the instrument into the canal for 2/3 of the working length of the canal
14. Rotate the tool 180°C
15. Remove the instrument from the canal
16. Clean the instrument in an antiseptic solution
17. Insert the instrument for the entire length of the canal
18. Rotate the tool 180°C
19. Remove the instrument from the canal
20. Clean the instrument in an antiseptic solution
21. Remove gloves and place them in a container for used materials
22. Wash your hands.

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Gerasymova I.

A handwritten signature in blue ink, appearing to read 'I. Gerasymova', is located in the lower-left quadrant of the page.

**The algorithm of the student's action on practical skill:
" Local treatment of chronic recurrent aphthous stomatitis (CRAS)."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Perform local application anesthesia (apply an anesthetic gel to the pathologically altered mucous membrane with a finger)
8. Carry out antiseptic treatment of the cavity with chlorhexidine (rinse)
9. Apply trypsin (dissolve trypsin (0.01 g) in isotonic sodium chloride solution (10 ml), dry the affected area with a cotton ball, moisten a strip of gauze with an enzyme solution and apply to the affected area for 10 minutes, remove the napkin)
10. Lubricate the affected areas of the oral mucosa with an anticoagulant
11. Lubricate the affected areas of the oral cavity with corticosteroid ointment
12. Treat the affected areas of the oral mucosa with an epitalizing agent
13. Remove the gloves and place them in the waste container
14. Wash your hands.



Ass. Prof., Department of Therapeutic Dentistry

Gerasymova I.

**The algorithm of the student's action on practical skill:
" Carrying out professional oral hygiene by instrumental method."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Perform manual scaling of supragingival mineralized deposits from the vestibular surface of the teeth
(using manual instruments to remove deposits - excavators, hooks, cures)
8. Carry out manual scaling of supragingival mineralized deposits from the oral surface of the teeth
9. Carry out manual scaling of supragingival mineralized deposits from the contact surfaces of the teeth
10. Carry out manual scaling of subgingival mineralized deposits from the vestibular surface of the teeth
11. Carry out manual scaling of subgingival mineralized deposits from the oral surface of the teeth
12. Carry out manual scaling of subgingival mineralized deposits from the contact surfaces of the teeth
13. Periodically irrigate the oral cavity with an antiseptic solution
14. Polish all surfaces of the teeth with a brush and polishing paste
15. Remove the gloves and place them in the waste container
16. Wash your hands.

Ass. Prof., Department of Therapeutic Dentistry

Gerasymova I.



**The algorithm of the student's action on practical skill:
" Determination of the working length of the root canal in endodontic treatment
using an apex locator."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Define the working length of the root canal
8. Attach the mouthpiece of the apex locator to the patient's oral mucosa
9. Fix the K-Reamer in the file holder
10. Slowly inject K-reamer towards the apex
11. When the beep sounds, stop the advance of the tool
12. Fix the stopper
13. Slowly pull the instrument out of the canal
14. Determine the length of the root canal using an endodontic ruler
15. Remove the gloves and place them in the waste container
16. Wash your hands.

Ass. Prof., Department of Therapeutic Dentistry

Gerasymova I.



**The algorithm of the student's action on practical skill:
" Completing a dental patient history."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Ask for the patient's passport data (full name, gender, age)
8. Collect complaints (tell possible complaints of a dental patient. It is advisable to highlight the main complaint that led the patient to the doctor: pain, tooth sensitivity to irritants, bleeding gums, tooth mobility, halitosis, taste disturbance, etc. For example, when complaining about bleeding gums must be clarified when it occurs (occasionally, during brushing teeth or spontaneously. When complaining of pain, it is necessary to determine its localization, nature, intensity, duration, possibility of irradiation, causes of occurrence and disappearance)
9. Collect anamnesis of the disease (consists of three parts: the start of the disease (the period from the appearance of the first appearances to the time of arrival at the clinic; the dynamics of its development (the nature of the course); treatment (whether it was carried out, and if it was carried out, then what and what was its effectiveness)))
10. Collect anamnesis of life (place of birth, place of residence, living conditions, previous and concomitant diseases (especially pay attention to infectious hepatitis, tuberculosis, HIV, sexually transmitted diseases, COVID-19), allergic and hereditary anamnesis, diet, regularity of oral hygiene , both individual and professional, bad habits, professional hazards, etc.)
11. Tell about the extraoral examination method (symmetry of the face, skin color, general condition of the patient, palpation of the cervical, submandibular, submental lymph nodes, severity of nasolabial and submental folds, etc.)
12. Tell about the examination of the oral cavity (examination of the vestibule of the oral cavity; examination of the oral cavity - mucous membrane, gums, teeth, dental formula; palpation, probing, percussion)
13. Tell about additional research methods (X-ray, EPT, thermal test)
14. Say that we write down the diagnosis next
15. Say that we are further describing the treatment performed
16. Remove the gloves and place them in the waste container
17. Wash your hands.

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Gerasymova I.



**The algorithm of the student's action on practical skill:
" Applying a devitalizing paste in the surgical treatment of pulpitis."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
8. Gently open the tooth cavity at one point (with a round bur). It is better to perform this stage in the projection of the pulp horn
9. Rinse the carious cavity with a warm antiseptic solution
10. Dry the carious cavity with a Pele Tim foam pad
11. Using a plugger, apply a devitalizing paste to the bottom of the carious cavity (the size of a match head)
12. Put a foam swab on top of the paste
13. Close the carious cavity with a temporary filling from dentine paste
14. Explain to the patient that the paste is applied for single-rooted teeth for 7 days, and for multi-rooted teeth for 10 days
15. Remove the gloves and place them in the waste container
16. Wash your hands.



Ass. Prof., Department of Therapeutic Dentistry

Gerasymova I.

**The algorithm of the student's action on practical skill:
" Description of the orthopantomogram of a dental patient."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Evaluate the quality of the radiograph (contrast, sharpness, shortening of the teeth)
8. Assess the state of the X-ray anatomical structure of the teeth:
 - the state of the crown, the presence of a carious cavity, filling, filling defect, the ratio of the bottom of the carious cavity to the cavity of the tooth
 - characteristics of the tooth cavity, the presence of filling material, denticles
 - state of roots, quantity, shape, size, contours
 - characteristics of root canals, width, direction, degree of filling;
 - assessment of the periodontal gap (uniformity, width), the state of the compact plate of the socket (preserved, destroyed, thinned, thickened)
9. Assess the periapical bone structure:
 - determine the presence of osteoporosis, destruction, osteosclerosis, inflammation at the apex, resorption by the type of granuloma, hypercementosis
10. Make a diagnosis
11. Remove gloves and place them in a waste container
12. Wash your hands.

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Gerasymova I.



**The algorithm of the student's action on practical skill:
" Applying an application with chlorophyllipt to the gum in the treatment of
catarrhal gingivitis."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Irrigate the oral cavity with an antiseptic solution
8. Isolate gums from saliva with cotton rolls
9. Moisten gauze turundas in chlorophyllipt
10. Put turundas with chlorophyllipt on the gums
11. Put dry cotton rolls on gauze turundas. The duration of the procedure is 15-20 minutes
12. Remove cotton rolls and gauze turundas with tweezers
13. Irrigate the mouth with water
14. Remove gloves and place them in a waste container
15. Wash your hands.

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Gerasymova I.



**The algorithm of the student's action on practical skill:
" Grinding and polishing composite fillings."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Put articulation paper on the chewing surface of the filled tooth and check the ratio of the teeth in the bite
8. Fix a spear-shaped (cylindrical, flame-shaped) bur with a red marking in the turbine handpiece
9. Sand the parts of the filling that overestimate the bite
10. Check bite again with articulation paper
11. Fix a spear-shaped (cylindrical, flame-shaped) bur with yellow marking in the turbine handpiece
12. Smooth the surface of the filling, preserving the anatomical details of the tooth
13. Fix the polishing rubber head in the mechanical handpiece
14. Smooth out all irregularities and roughness of the filling
15. Fix the polishing brush in the mechanical handpiece
16. Using a brush, apply the required amount of polishing paste to the tooth
17. Polish the filling with a brush and paste
18. Wash off the remaining paste with water
19. Remove gloves and place them in a waste container
20. Wash your hands.

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Gerasymova I.



**The algorithm of the student's action on practical skill:
" Filling a carious cavity with a chemical curing composite."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Dry the cavity
8. Apply etching into the carious cavity for 20 seconds
9. Thoroughly rinse the carious cavity
10. Isolate the tooth from saliva
11. Dry the carious cavity with air flow
12. Apply one drop of base and catalytic adhesives to the plastic sheet
13. Knead adhesive agents for 30-40s with a microbrush
14. Apply the adhesive system to the walls and bottom of the carious cavity using a microbrush
15. On a paper pad, place the same amount of base and catalytic pastes of the filling material
16. Knead the pastes with a plastic spatula for 30 seconds
17. Introduce the material into the carious cavity in one portion. Fill the carious cavity with material and model the anatomical shape of the tooth
18. Remove gloves and place them in a waste container
19. Wash your hands.

Ass. Prof., Department of Therapeutic Dentistry

Gerasymova I.



**The algorithm of the student's action on practical skill:
" Carrying out the treatment of a wedge-shaped defect with the help of GIC."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Roughen around the wedge-shaped defect using a yellow marking lance.
8. Conduct medical processing with a solution of chlorhexidine
9. Carry out the installation of the cervical matrix
10. Make an etching of the wedge-shaped defect
11. Rinse and dry the surface of the defect
12. Isolate the tooth from saliva
13. Mix liquid and GIC powder until smooth
14. Apply adhesive to the defect
15. Dry the defect and photopolymerize
16. Place a portion of the GIC at once on the defect using a plastic spatula
17. Remove excess material
18. Photopolymerize GIC
19. Remove the matrix
20. Remove gloves and place them in a waste container
21. Wash your hands.

Ass. Prof., Department of Therapeutic Dentistry

Gerasymova I.



**The algorithm of the student's action on practical skill:
" Carrying out professional oral hygiene by ultrasonic method."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Take the S-shaped handpiece and fix it in the ultrasound machine
8. Attach the working tip to the dental plaque parallel to the tooth
9. Lightly pressing the tip, make light, quick point movements on the surface of dental deposits
10. In this way, scaling the oral surface of the teeth
11. Scaling the vestibular surface of the teeth
12. Periodically irrigate the oral cavity with an antiseptic
13. Polish teeth with a brush and polishing paste
14. Remove gloves and place them in a waste container
15. Wash your hands.

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Gerasymova I.



**The algorithm of the student's action on practical skill:
" Carrying out the treatment of chronic mechanical injury of the oral mucosa."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Eliminate the traumatic factor - refer the patient to the correction of the prosthesis.
8. After adjusting the prosthesis, anesthetize the injured area of the mucosa (application)
9. Clean the surface of erosion from necrotic plaque with a trypsin solution
10. Carry out antiseptic treatment of erosion with chlorhexidine
11. Prescribe to the patient drugs to stimulate epithelialization (for example: Vitamin A, rosehip oil, tocopherol acetate)
12. Remove gloves and place them in a waste container
13. Wash your hands.

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Gerasymova I.



**The algorithm of the student's action on practical skill:
" Carrying out the treatment of thermal injury of the oral mucosa."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Anesthetize the injured area of the mucosa (application)
8. Carry out antiseptic treatment of erosion with chlorhexidine
9. Prescribe drugs to the patient to stimulate epithelialization (for example: Vitamin A, rosehip oil, tocopherol acetate)
10. Give recommendations on more thorough personal hygiene in the coming days (add rinses with rinses and antiseptic to brushing your teeth)
11. Advise the patient to avoid irritating food in the coming days
12. Remove gloves and place them in a waste container
13. Wash your hands.

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Gerasymova I.



**The algorithm of the student's action on practical skill:
" Treatment of acute herpetic stomatitis."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Anesthetize the injured area of the mucosa (application)
8. Carry out antiseptic treatment of erosion with chlorhexidine
9. Prescribe drugs to the patient to stimulate epithelialization (for example: Vitamin A, rosehip oil, tocopherol acetate)
10. Prescribe an antiviral therapy to the patient
11. Prescribe vitamin therapy to the patient
12. Assign immunomodulating therapy to the patient
13. Remove gloves and place them in a waste container
14. Wash your hands.



Ass. Prof., Department of Therapeutic Dentistry

Gerasymova I.

**The algorithm of the student's action on practical skill:
" Preparation and application of hardening dressings for periodontitis."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Put on the mouth expander
8. Apply a dressing with a spatula on the surface of the gums, first from the oral, then from the vestibular sides
9. Carry out quality control - the dressing goes into the interdental spaces, but does not fall into the periodontal pockets
10. Wait for the dressing to harden for 1-3 minutes
11. Remove the lip expander
12. Ask the patient to close his mouth and give advice to keep the bandage throughout the day
13. Remove gloves and place them in a waste container
14. Wash your hands.



Ass. Prof., Department of Therapeutic Dentistry

Gerasymova I.

**The algorithm of the student's action on practical skill:
" Filling of the root canal by the method of the central pin."**

1. Say hello
2. Wash your hands
3. Put on a mask
4. Put on safety glasses
5. Put on gloves
6. Process your hands with an antiseptic
7. Pick up a master pin (gutta-percha) according to the last size of the master file
8. Measure the length of the master pin based on the working length of the root canal
9. Isolate the tooth from saliva
10. Dry the root canal with paper points
11. Prepare the sealer
12. Introduce a sealer into the canal using a file
13. Coat the pin with sealer
14. Insert the pin into the canal to the required depth
15. Cut off the protruding part of the pin with a hot trowel
16. Carry out quality control of sealing using X-ray diagnostics
17. Close the tooth with a temporary filling
18. Remove gloves and place them in a waste container
19. Wash your hands.



Ass. Prof., Department of Therapeutic Dentistry

Gerasymova I.

