

MINISTRY OF HEALTH OF UKRAINE

Odessa National Medical University

DIARY

of student's internship

STUDENT'S MEDICAL INTERNSHIP IN PEDIATRIC DENTISTRY

at the Pediatric Dentistry Department

(Full name)

Odesa-2022

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The diary of student's internship in pediatric dentistry was discussed at the meeting of the Department of Pediatric Dentistry. Protocol №_____. from _____.

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The diary of student's internship was approved at the meeting of the subject cycle methodical commission on stomatological disciplines. Protocol №____. from _____.

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Approved and recommended for publication by the Central Coordination and Methodological Council of the University _____. Protocol №_____.

The diary is a reporting document that reflects the volume and quality of student's work during the internship.

STUDENT'S INTERNSHIP – it is an integral part of training aimed at improving the level of practical training of students, mastering modern methods of diagnosis, treatment and prevention of dental diseases, organization of work in dental institutions, the formation of professional skills for independent decision-making at the reception of patients.

STUDENT RESPONSIBILITIES

During the internship the student must:

1. Complete the full range of tasks provided by the internship program.
2. Comply with the internal rules of procedure in the medical and preventive institutions.
3. To study and strictly observe the rules of labor protection, safety, industrial sanitation and internal regulations of the institution on the basis of which the practice is conducted.
4. Participate in scientific and practical conferences.
5. Be responsible for the assigned work and its results on an equal level with full-time employees.
6. Adhere to basic deontological principles.
7. Systematically fill in the practice diary.
8. Pass the student's internship test in time.

I am familiar with the student's duties, safety instructions, labor protection at the workplace _____

STUDENT'S MEDICAL INTERNSHIP IN PEDIATRIC DENTISTRY

The purpose of the practice - is the mastery by students of the skills of diagnosis, differential diagnosis and treatment of dental diseases (in particular, caries and its complications, diseases of parodontal tissues and oral mucosa) in children of all ages from the study of their etiology, pathogenesis, clinical manifestations, methods and differential diagnosis of treatment methods, selection and use of modern dental materials and medicines.

Student must know:

- modern conceptions about the etiology and pathogenesis of dental caries in children;
- to analyze the prevalence and intensity of dental caries in children in terms of age and the factors influencing these indicators;
- regularities of the clinical course of caries of temporary teeth depending on the age of the child;
- errors and complications in the treatment of caries of temporary and permanent teeth in children, be able to prevent and eliminate them;
- modern ideas about the etiology and pathogenesis of pulpitis in temporary and permanent teeth in children;
- classification of pulpitis;
- on the regularity of the clinical course of pulpitis in temporary and permanent teeth in children of different ages;
- methods of treatment of pulpitis;
- errors and complications in the treatment of pulpitis in children, their prevention and elimination;
- modern ideas about the etiology and pathogenesis of periodontitis in temporary and permanent teeth in children;
- classification of periodontitis;
- on the regularity of the clinical course of periodontitis in temporary and permanent teeth in children of different ages;
- errors and complications in the treatment of periodontitis in children, their prevention and elimination;
- etiology, clinical manifestations, diagnosis and principles of treatment of traumatic lesions of temporary and permanent teeth in children.

Student must be able to:

- to diagnose and differentially diagnose different forms of caries of temporary teeth in children of different ages;
- to treat caries of temporary teeth in children by different methods (remineralizing therapy, ART-technique, preparation and filling with different filling materials, impregnation method);
- to diagnose and differentially diagnose various forms of caries of permanent teeth in children of different ages;

- to diagnose and differentially diagnose various forms of non-carious lesions of the teeth in children of different ages;
- to determine treatment tactics and treat various forms of non-carious lesions of the teeth in children of different ages;
- to treat caries of temporary teeth in children by different methods (remineralizing therapy, preventive filling, preparation and filling with different filling materials);
- prescribe general treatment of dental caries to children with decompensated caries;
- to diagnose and carry out differential diagnosis of different forms of pulpitis in temporary and permanent teeth in children;
- to treat pulpitis in temporary and permanent teeth in children using various methods;
- to diagnose and carry out differential diagnosis of different forms of periodontitis in temporary and permanent teeth in children;
- to treat periodontitis in temporary and permanent teeth in children using various methods;
- to treat various types of traumatic lesions of temporary and permanent teeth in children;
- to distribute children with caries and its complications into dispensary groups and to conduct dispensary observation for certain terms.

Curriculum of practical training in practice of pediatric dentistry

No	Topic	Amount of hours
1.	Practical mastering of methods of caries treatment, non-carious lesions of temporary and permanent teeth in children: features of preparation of carious cavities, choice of filling materials, filling technique. Non-operative methods of treatment of caries of temporary and permanent teeth in children: indications, methods.	8
2.	Practical mastering of methods of treatment of pulpitis of temporary and permanent teeth in children. Vital amputation and pulp extirpation. Devital methods. Indications, methods of their carrying out. Endodontic treatment of root canals, materials for obturation of root canals at different stages of their formation.	8
3.	Practical mastering of methods of treatment of periodontitis of temporary and permanent teeth in children. Choice of treatment method, technique, choice of materials for root filling in temporary and permanent teeth in children. Prognosis.	8
4.	Modern, innovative methods of diagnosis and treatment of periodontal diseases in children. Modern remedies for periodontal disease in children.	6
5.	Modern means and methods of treatment of diseases of the oral mucosa in children.	6
6.	Differentiated assessment	4

Independent work

№	Topic	Amount of hours
1.	Preparation for practical, seminar classes (theoretical, working out practical skills, abilities), topic numbers: 1-5	12
2.	Independent study of topics that are not included in the classroom plan, topics: 1-11	
2.1	Psychological aspects of the doctor / patient relationship in relation to pediatric dentistry	2
2.2	Modern methods of examination of a dental patient	6
2.3	Allergens in dental practice. Features of dental reception of patients with allergies.	4
2.4	Emergencies in outpatient dental practice. Emergency algorithms.	4
2.5	Innovative technologies in the treatment of caries and non-carious lesions of the teeth.	6
2.6	Physiotherapeutic methods of treatment in pediatric therapeutic dentistry.	6
2.7	Innovative technologies in the treatment of caries and non-carious lesions of the teeth.	4
2.8	Medical tactics for trauma of permanent teeth in children with unformed and formed roots.	4
2.9	Modern means for the treatment of diseases of OCMM (non-steroidal anti-inflammatory drugs, enzyme preparations, anti-enzyme preparations, keratoplastics, keratolytics).	10
2.10	Modern means for the treatment of diseases of OCMM (herbal preparations, antiseptics, antibiotics, antivirals, antiprotozoals and antifungals).	10
2.11	Modern means for the treatment of diseases of OCMM (anti-inflammatory steroids, sorbents, probiotics, vitamins, immunomodulators).	6
3.	Preparation for the differentiated assessment	8.0

List of practical skills of student's medical internship in pediatric dentistry

1. Examination of a patient at a dental appointment with a pediatric dentist-therapist. Evaluation of the obtained data. Diagnostic use of dyes. Methods of electroodontodiagnostics;
2. Carrying out of professional hygiene of an oral cavity. Removal of dental layers by various methods. Providing recommendations for oral hygiene, taking into account the individual characteristics of the patient;
3. Coating of teeth with therapeutic and prophylactic varnishes, gels in children;

4. Sealing of fissures of permanent teeth in children. Impregnation of hard tissues of temporary teeth.
5. Drug treatment of the affected areas of the oral mucosa and periodontium. Preparation and application of therapeutic hardening and non-hardening dressings for periodontal diseases in children;
6. Preparation of carious cavities of temporary and permanent teeth taking into account the type of filling material;
7. Filling of carious cavities of temporary teeth with various filling materials;
8. Imposition and removal of temporary fillings with odontotropic pastes in the treatment of caries and pulpitis;
9. Imposition and removal of airtight dressings in the treatment of pulpitis and periodontitis;
10. Amputation and extirpation of the pulp of temporary and permanent teeth. Diathermocoagulation in the treatment of various forms of pulpitis;
11. Instrumental treatment of root canals of temporary and permanent teeth;
12. Impregnation methods of root canal treatment of permanent and temporary teeth. Conducting intradental electrophoresis;
13. Filling of root canals of temporary and permanent teeth using hardening and non-hardening sealers of different groups and fillers;
14. Grinding and polishing of seals from different types of filling materials.

Student's report on the internship

Practical skills and manipulations	Planned	Completed
1. Treatment of uncomplicated caries, including enamel demineralization on simulators	20-30	
2. Treatment of non-carious lesions of hard tissues on simulators	5	
3. Treatment of pulpitis on simulators: a) biological method b) method of pulp devitalization c) amputation d) extirpation	4-6 2 2 1 1	
4. Treatment of periodontitis on simulators: a) chronic b) acute c) acute chronic	4-6 2 2 2	
5. Root canal filling on simulators: a) pastes b) cements c) gutta-percha	8-10 6 1 1	
6. Sealed teeth on simulators: a) cements b) composites (chemical or photopolymer curing)	10-20 10 10	

7. Treatment of parodontal diseases on simulators	5-10	
8. Treatment of diseases of the mucous membrane of the oral cavity on simulators	5	

Mark on differentiated test _____

Lecturer's signature _____

Recommended sources

1. Nursing in dentistry: education manual / Under general ed. Prof. M. D. Korolya – Poltava: *FOP Myron I. A.*, 2019. – 312 p.
2. Nursing in dentistry: education. manual for stomatology nurses, dental hygienists, dental assistants and dentists / I. P. Mazur [et al.]: by ed. I. P. Mazur; review: L. V. Smaglyuk, A. V. Borysenko. – Kyiv: *Medicina*, 2017. – 160 p
3. Prevention of dental diseases: a textbook for stomatological students of faculties of higher medical education institutions / L.F. Kaskova, L.I. Amosova, O.O. Kulai [et al.]; by ed. prof. L.F. Kaskova; UMSA. - stereotypical edition – Lviv: *PP "Mahnoliya 2006"*, 2019. – 404 p.
4. Pediatric Therapeutic Dentistry Vol 2: textbook / L.A. Khomenko, Yu.B. Chaykovskyy, O.V. Savychuk [et al.]; by ed. prof. L.A. Khomenko. – K: *Knyha Plus*, 2016. – 328 p.