

**MINISTRY OF HEALTH OF UKRAINE
ODESA NATIONAL MEDICAL UNIVERSITY
Pediatric dentistry department**

**DIARY
of Student's Medical Internship
in Pediatric Dentistry**

Student _____

(Full name)

Odesa
ONMedU
2023

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Щоденник є звітним документом, який презентує обсяг та якість роботи студента в період проходження навчальної практики зі стоматології дитячого віку.

Diary of student's medical internship in pediatric dentistry / compilers : Oksana Dienha, Iryna Tarasenko, Zhanna Novikova [et al]. — Odesa : ONMedU, 2023. — 12 p.

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

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INTRODUCTION

STUDENT'S INTERNSHIP 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 medical attendance.

STUDENT'S 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.

A 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;

— the regularity of the clinical course of pulpitis in temporary and permanent teeth in children of different age;

— 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;

— the regularity of the clinical course of periodontitis in temporary and permanent teeth in children of different age;

— 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.

A student must **be able to:**

— diagnose and differentially diagnose different forms of caries of temporary teeth in children of different age;

— 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 age;

— to diagnose and differentially diagnose various forms of non-cari-ous lesions of the teeth in children of different age;

— to determine treatment management and treat various forms of non-cari-ous lesions of the teeth in children of different age;

— 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 decom-pensated 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 perma-nent teeth in children;

— to distribute children with caries and its complications into dispen-sary groups and to conduct dispensary observation for certain terms.

**Curriculum of practical training of
the medical internship in pediatric dentistry**

| № | Topic | 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 | Hours |
|---|-------|
| 1. Preparation for practical, seminar classes (theoretical, working out practical skills, abilities), topics: 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 the pediatric dentistry | 2 |
| 2.2. Modern methods of examination of a dental patient. | 6 |
| 2.3. Allergens in dental practice. Features of dental attendance 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. Management of trauma of permanent teeth in children with unformed and formed roots | 4 |
| 2.9. Modern means for the treatment of diseases of the oral mucosa (non-steroidal anti-inflammatory drugs, enzyme preparations, anti-enzyme preparations, keratoplastics, keratolytics) | 10 |
| 2.10. Modern means for the treatment of diseases of the oral mucosa (herbal preparations, antiseptics, antibiotics, antivirals, antiprotozoals and antifungals) | 10 |
| 2.11. Modern means for the treatment of diseases of the oral mucosa (anti-inflammatory steroids, sorbents, probiotics, vitamins, immunomodulators) | 6 |
| 3. Preparation for the differentiated test | 8 |

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 electroodonto-diagnostics.

2. Carrying out professional hygiene of the 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 | Com- pleted |
|--|-------------------------|----------------|
| 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 oral musoca on simulators | 5 | |

Mark on differentiated test _____

Lecturer's signature _____

Recommended literature

1. Медсестринство в стоматології : навч. посібник для мед. сестер зі стоматології, гігієністів зубних, помічників лікаря-стоматолога та зубних лікарів / І. П. Мазур, Л. О. Щербак, С. В. Хлебас [та ін.] ; за ред. І. П. Мазур; рец. : Л. В. Смаглюк, А. В. Борисенко. — К. : Медицина, 2017. — 160 с.

2. Профілактика стоматологічних захворювань : підручник для студ. стомат. факультетів закладів вищої медичної освіти / Л. Ф. Каськова, Л. І. Амосова, О. О. Кулай [та ін.] ; за ред. проф. Л. Ф. Каськової ; УМСА. — Стереотипне видання. — Львів : ПП «Магнолія 2006», 2019. — 404 с.

3. Сестринство в стоматології : навч. посібник / за заг. ред. проф. М. Д. Короля. — Полтава : ФОП Мирон І. А., 2019. — 312 с.

4. Терапевтична стоматологія дитячого віку. Т. 1, 2 : підручник / Л. О. Хоменко, Ю. Б. Чайковський, О. В. Савичук [та ін.] ; за ред. проф. Л. О. Хоменко. — К. : Книга плюс, 2016. — 328 с.

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Навчальне видання

**ЩОДЕННИК ВИРОБНИЧОЇ ЛІКАРСЬКОЇ ПРАКТИКИ
ЗІ СТОМАТОЛОГІЇ ДИТЯЧОГО ВІКУ**

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