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Postgraduate training in dental medicine

Faculty of Dental Medicine
Medical University of Sofia

Three years post graduate specialization

- Regulated by the government – The Ministry of Health
- Documents and laws:
- Until 2015 – Regulation #34
- Since 01.2015 – Regulation #1

Continuous education

- Organized and controlled by the syndicate organization of the dentist in Bulgaria – The Bulgarian Dental Union;
- Our assistant professors and professors take a significant part in it;

Courses

- They are situated in The Faculty of Dental Medicine

Number of specialties of dental medicine – 13

Specialty:	Masters degree:	Years:
Prosthodontics	Dental Medicine	3
Operative dentistry and endodontic	Dental Medicine	3
Oral surgery	Dental Medicine	3
Maxillofacial surgery	Medicine	5
Dental, oral and maxillofacial surgery	Medicine and Dental Medicine	4
Periodontology and the diseases of oral mucosa	Dental medicine	3

And more...



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Orthodontics	Dental Medicine	3
Social medicine and public health	Dental Medicine	3
Pediatric dentistry	Dental Medicine	3
General dental medicine	Dental Medicine	3
Dental implantology (since 2013r.)	Dental Medicine	3
Dental and clinical allergology	Dental Medicine	3
Dental imaging	Dental Medicine	3

Number of doctors trained in the postgraduate specialty program

Specialty	2012-16r.
Prosthodontics	39
Dental implantology	2
Pediatric dentistry	27
Operative dentistry	34
Oral surgery	50
Maxillofacial surgery	2
Orthodontics	33
Periodontology	48
Soc. Medicine and public health	7
Dental imaging	3
Dental and clinical allergology	7
	252

Regulation and appliance to the programs

- Until 2014 according to **Regulation No 34/29.12.2006** MU of Sofia announces competition exam for postgraduate training with and official announcement from the Ministry of Health;
- **Since January 2015 there is a new Regulation No1/2015** for post graduate specialty training (change and additional point were added and annouced in SG. #83 27 Oct. 2015)
- Today the appliance for postgraduate specialization is done by documents.

Determination of the places for postgraduate specialty training

- The places for postgraduate specialty training are determined from The Ministry of Health – financed by the country and the rector of the academic institution.
- The training for specialties for doctors of dental medicine is done by and official order from the rector of the academic institution.

Program for postgraduate specialty training


- The postgraduate specialty training is done by programs. These programs respond to the standards for each specialty. They consist of:
 - 1. Obligatory theoretical and practical training according to the time period of the program;
 - 2. Different modules that consist of theoretical and practical training with different lengths;
 - 3. Basic diagnostic and treatment skills – including working with specific hardware, medical ware and others – higher competence is referred to the relevant specialty.

Taxes and financing

- The taxes for Bulgarians and countries in the EU cannot be higher than 50% of the minimal country salary.

Training departments

- The practical training divided into modules is placed in the universities or departments that have received accreditation for it;
- The conditions and the order for the postgraduate training is defined by a contract between the department and the academic institution;
- Only the academic institution can do the theoretical training

- 
- The background of the slide is a deep blue color. It features several sets of thin, light blue lines that flow and curve across the frame, creating a sense of motion and depth. These lines are layered, with some appearing closer and more vibrant, while others recede into the background.
- The new regulation gives the opportunity the practical training to be done in accredited departments and clinics in Sofia and in the whole country.
 - The accreditation is implemented by The Accreditation Jury Council which is a part of The Ministry of Health.

Final speciality exam

- The trainees that have accomplished the program are given the opportunity to have final exam;
- Bulgarian is the official language for postgraduate training program and the final exam;
- The final exams are placed every year and are between 1 and 31 of May as well as 1 and 31 of December.
- An official committee placed by The Ministry of Health is to examine the trainees;
- The examination consists of practical and theoretical part held in two following days;
- The ones who have taken both the exams receive license for speciality;



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Short description of the dental specialties

Prosthodontics



Postgraduate program of prosthodontics consists of 7 modules and 7 exams for all the modules

Anatomy and
physiology of the
masticatory
apparatus;

Diagnostic methods in
prosthodontics;

Clinical and
laboratory techniques
for fixed
prothodontics;

Clinical and
laboratory techniques
for removable
prothodontics;

Prosthodontic
treatment of occlusal
and articulation
trauma;

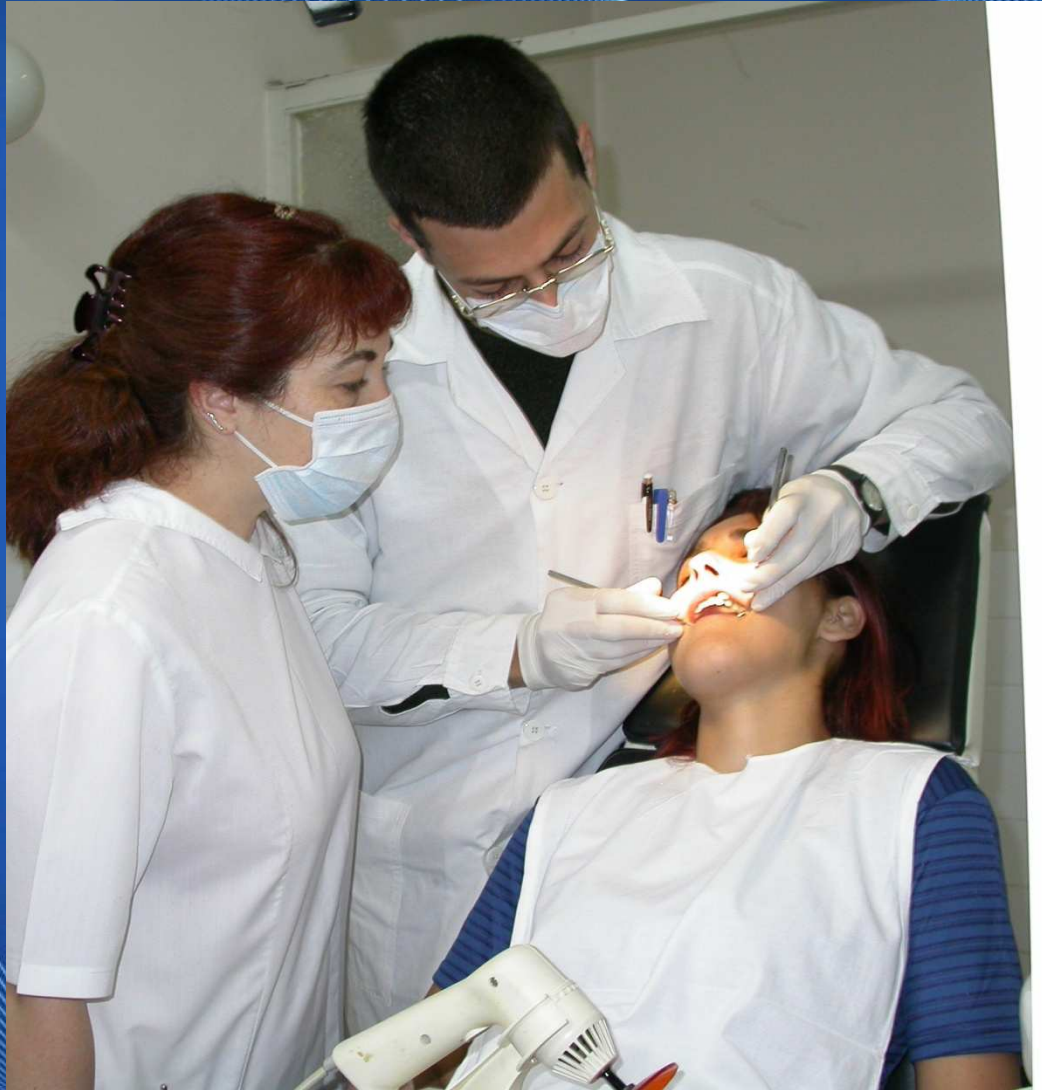
Prosthodontic
treatment of occlusal
teeth abrasion;

Occlusion and
gnathology

Prosthodontics – practice



- Presentation of the cases with full documentation;
 - Partial anodontia – 20 cases with bridges and partial prosthetics;
 - Total anodontia – 3 cases;
 - Post techniques for decayed teeth and restoration with dental crowns;
- Appliance of all contemporary prosthodontic methods.



Operative
dentistry and
endodontology

Operative dentistry and endodontology

Forms of education:

- Lectures, seminars, practical courses, consultations, case documentations, demonstrations;

Practice

- Treatment of dental caries -80 cases;
- Endodontic treatment - 60 cases;

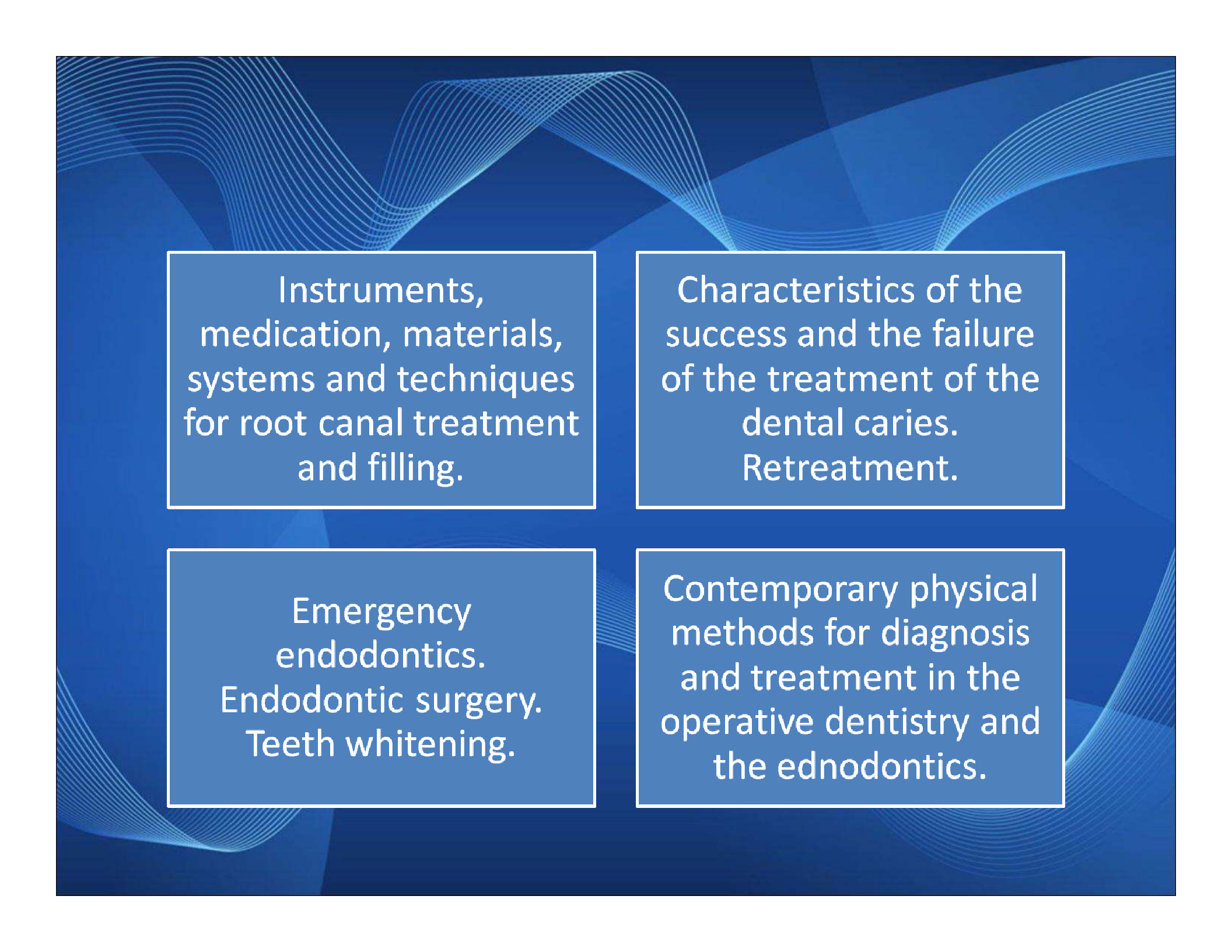
Theoretical education and midterm exams

Hystogenesis, anatomy and physiology of the teeth and the surrounding structures;

Diagnosis and treatment plan for dental caries and endodontic pathology;

Characteristics and pain control of dental caries and endodontic pathology;

Instruments and materials for operative treatment of carious and non-carious lesions of the teeth.



Instruments,
medication, materials,
systems and techniques
for root canal treatment
and filling.

Characteristics of the
success and the failure
of the treatment of the
dental caries.
Retreatment.

Emergency
endodontics.
Endodontic surgery.
Teeth whitening.

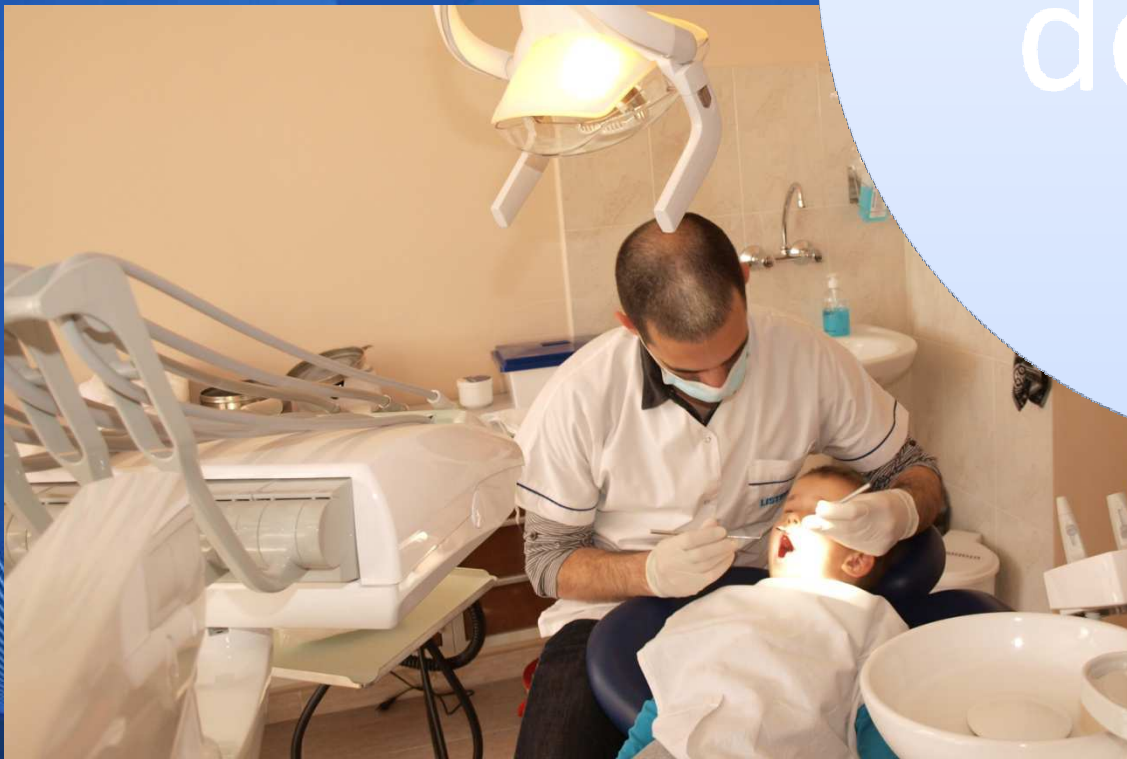
Contemporary physical
methods for diagnosis
and treatment in the
operative dentistry and
the endodontics.



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Pediatric dentistry



Six theoretical modules and six midterm exams

Oral embryology and histology.

Oral biology.

Prophylactics of oral diseases.

Clinics, diagnosis and treatment of the caries for both temporary and permanent dentition.

Clinics, diagnosis and treatment of the complications of the dental caries of both temporary and permanent dentition.

Periodontal diseases of children and youths;

Diseases of the oral mucosa of children and youths.

Pediatric dentistry



- There are two cycles a year and each one of them ends with a midterm exam.

Practice



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Requirements a year

80 hours per month = 880 hours per year – working time

10 cases with full documentation – prophylaxis program and treatment plan

73 dental caries treatment (nonoperative, microinvasive of temporary and permanent teeth)

18 cases of root canal treatment of temporary teeth;

11 cases of root canal treatment of permanent teeth with undeveloped roots;

92 prophylactic procedures for children as a part of prophylaxis programs

18 cases of treatment of mucosal and periodontal diseases

7 cases of treatment of fractures

Oral Surgery



Postgraduate program of oral surgery consists of 12 modules and 12 midterm exams for all the modules

Basic lectures of general surgery, anesthesiology, reanimation, ORL, ophthalmology, oncology, neurosurgery, plastic surgery and others;

Topographic anatomy and anaesthesiology;

Dentoalveolar surgery;

Dentoalveolar abscess, periostitis and osteomyelitis of the jaws;

Cysts;

Odontogenic and non-odontogenic infection;



Sinuitis. Specific diseases;

Diseases of the cranial nerves.
TMJ pathology;

Salivary glands and lymph nodes pathology.;

Trauma of the oral cavity;

Tumors of the oral cavity;

Plastic surgery;

Practice



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Practice



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Requirements:

Dentoalveolar surgery: 200 cases – 100 as an operator, 100 as an assistant;

Surgical preparation for prosthodontic treatment – including dental implantology and periodontal surgery: 30 cases – 15 as an operator, 15 as an assistant;

Surgical treatment of odontogenic and nonodontogenic cysts: 30 cases – 15 as an operator, 15 as an assistant;

Incisions of dentoalveolar abscesses and phlegmonas: 80 cases – 40 as an operator, 40 as an assistant;

Surgical treatment of tumors and biopsies: 10 cases - 5 as an operator, 5 as an assistant;

Plastic surgery of the lips: 4 cases - 2 as an operator, 2 as an assistant;

Plastic surgery of the oral cavity: 10 cases - 5 as an operator, 5 as an assistant;

Reconstruction of the oral cavity: 10 cases - 5 as an operator, 5 as an assistant;

Surgery cases of the additional modules: 26 cases;

Additional modules during the oral surgery training program

ORL;

Ophthalmology;

Anesthesiology and
reanimation;

Neurosurgery;

Plastic surgery;

Oncology;

Working in a hospital
of oral and
maxillofacial surgery
for nine months;

The image is a collage with a central blue circle containing the word "Periodontology" in white text. The background is divided into four quadrants. The top-left quadrant features a blue background with white, wavy, concentric lines. The top-right quadrant shows a female dental professional in dark scrubs, a green face mask, and blue gloves, performing a procedure on a male patient's teeth. The bottom-left quadrant depicts a surgical team in a sterile operating room, wearing blue gowns, green hairnets, and masks, focused on a patient. The bottom-right quadrant has a blue background with white, wavy, concentric lines, mirroring the top-left design.

Periodontology

Seven theoretical modules and midterm exams:

Biology of the oral
mucosa and the
periodontium;

Etiology and
pathogenesis of the
inflammatory diseases
of the periodontium.

Diagnosis of the
diseases of the
periodontium and the
oral mucosa.

Nonsurgical
management of the
periodontal diseases.

Surgical techniques
for periodontal
diseases.

Differential diagnosis and
principles of treatment
plan for oral mucosal
diseases

Peri-implant pathology
– prevention, diagnosis
and treatment.
Maintenance of dental
implants.

Practice:



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Diagnosis and
treatment of gingivitis –
7 cases including
maintaining for 2 year;

Diagnosis and
nonsurgical therapy of
chronical periodontitis–
10 cases;

Diagnosis and
treatment of ulcero-
necrotising gingivitis – 2
cases;

Periodontal surgery

Gingival resection and techniques for pocket depth reduction - 5 cases;

Techniques for surgical periodontal pocket treatment;

Crown lengthening—gingivoplasty and bone plasty

Regenerative procedures of bone defects – 2 cases

Procedures for increasing the gingival tissues – free gingival graft – 2 cases as an operator, 2 cases as an assistant;

Root coverage – 6 cases

In some cases the trainee is an operator in some is an assistant.



Splints - 2 cases

Treatment of
stomatitis

Placement of
dental implants— 3
cases

- **The clinical practice is documented and is presented in front of a committee that consists of the professors of the department of periodontology in order the trainee to be given the opportunity to go to final exam.**



Orthodontics

Theoretical and practical training:

The specialization takes place in a group of six;

Clinics is maximum 16 hours a week;

An orthodontic treatment of 50 patients,

From them 10 are presented with full documentation for final exam.

The trainees take part in treatment of complex cases:

Children with malformations and deformities, that are prepared for orthognathic surgery, TMJ pathology.

Orthodontics

The clinical practice of the trainees is observed by an assistant prof. or a professor;

There is a collaboration with OMFS, periodontologists and prosthodontics;

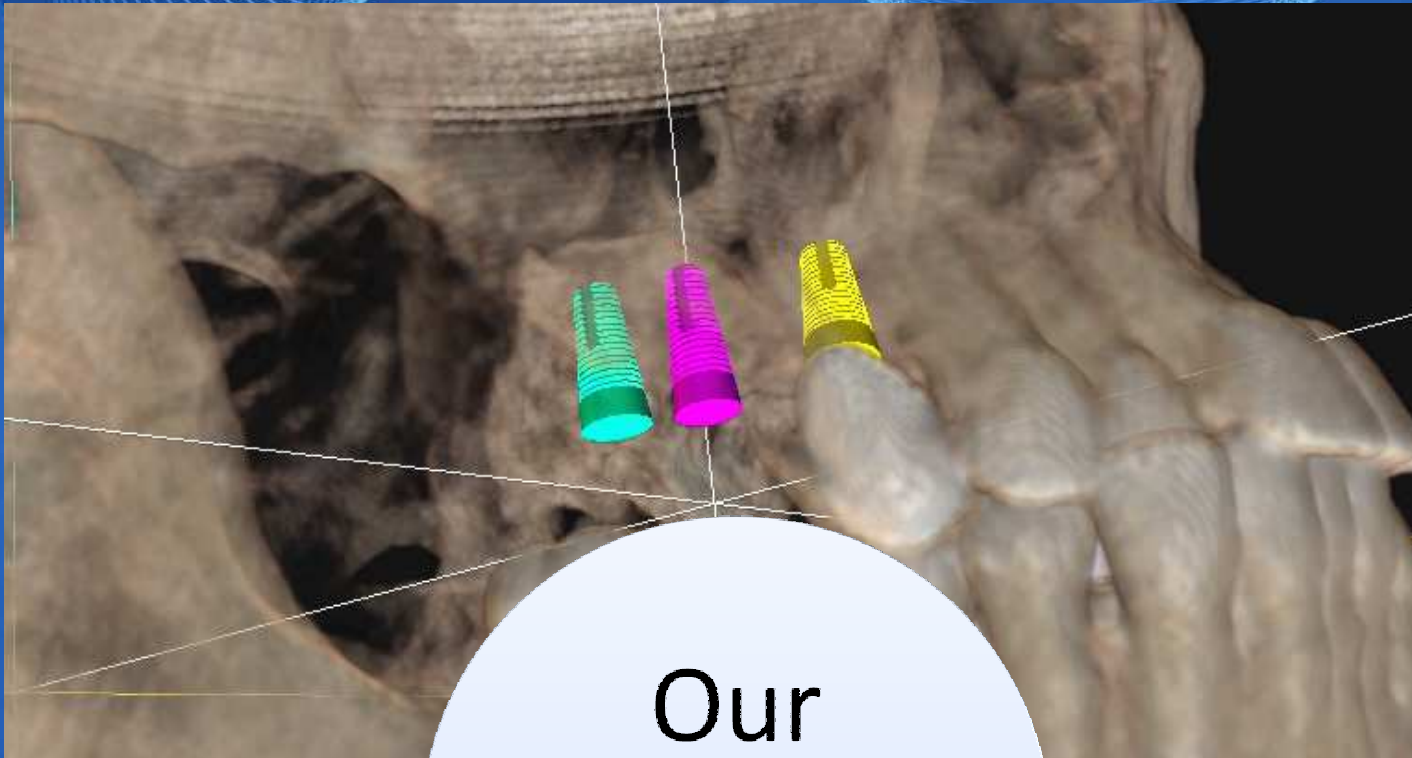
Thesis of 50 pages under the guidance of a mentor and presentation of the thesis;

Presentation of clinical cases.

Dental Implantology



SG, #24, 12 of March 2013



Our
newest
specialty!

Н. Попов, Ст. Пеев, Б. Йорданов, М. Абаджиев, И. Йончева

ЗЪБОПРОТЕЗНА ИМПЛАНТОЛОГИЯ

УЧЕБНИК И СПРАВОЧНИК
ЗА СТУДЕНТИ, СПЕЦИАЛИЗАНТИ И СПЕЦИАЛИСТИ

ПОД РЕДАКЦИЯТА НА
АКАДЕМИК ПРОФ. Д-Р НИКОЛАЙ ПОПОВ



София, 2012

Time – 3 years

92 hours of
lectures

320 hours of
practical
experience

800 hours of
clinical
experience

Dental implantology program

First module – Basics of dental implantology – 2 months

Second module – Basic surgical techniques for placing implants - 6 months

Third module –
Principals, planning and rules for construction of prosthesis for implants - 8 months

Forth module – Complex implantological and surgical treatment. Bone augmentation - 8 months.

Fifth module – Types of implantation, digital implantology. Complications - 8 months

Sixth module— Implantological treatment in the aesthetical zone - 4 months

Practice

Placement of
implant with a flap
– 50 cases

Placing an implant
with simultaneous
GBR – 20 cases

Lateral sinus lift –
10 cases

Immediate
implantation – 15
cases

Dental implantology

Implant
prosthetics with
screw retention –
10 cases

Removable
implant
prosthetics – 10
cases

Whole implant-
prosthetics
treatment – 50
cases





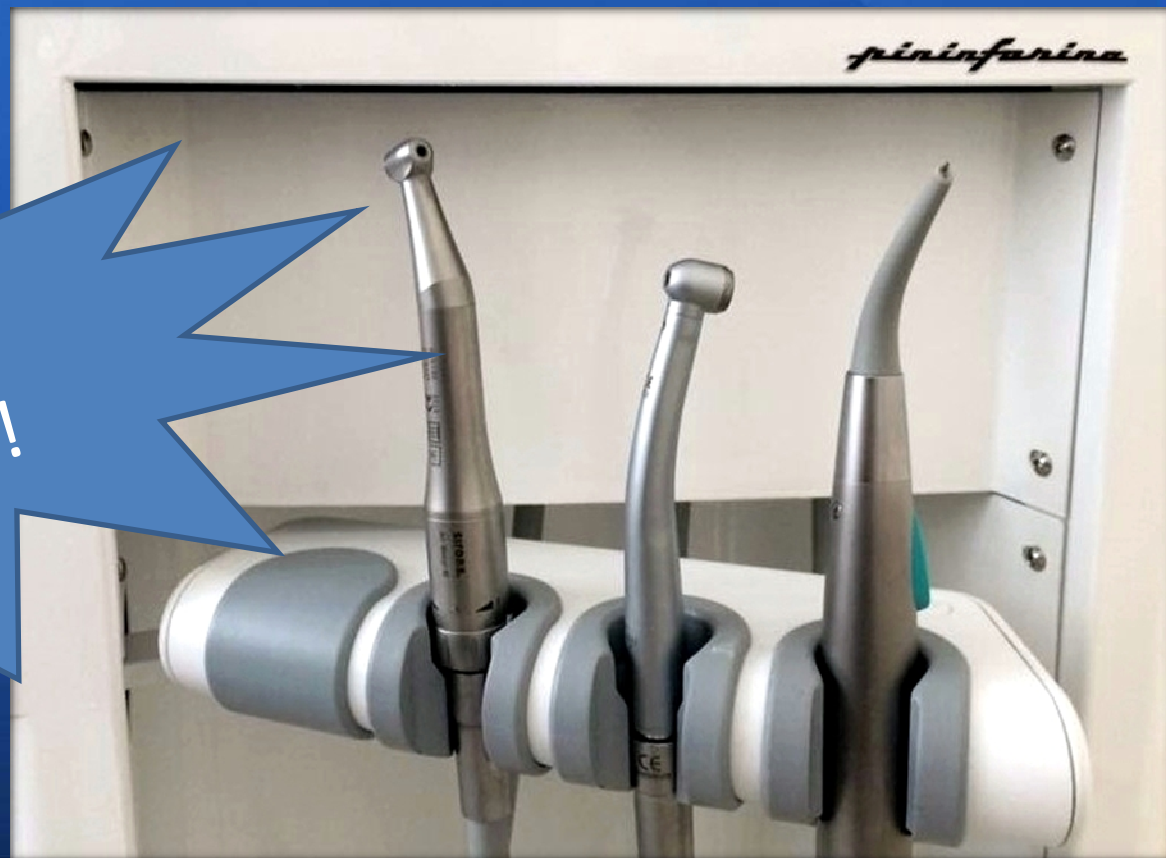




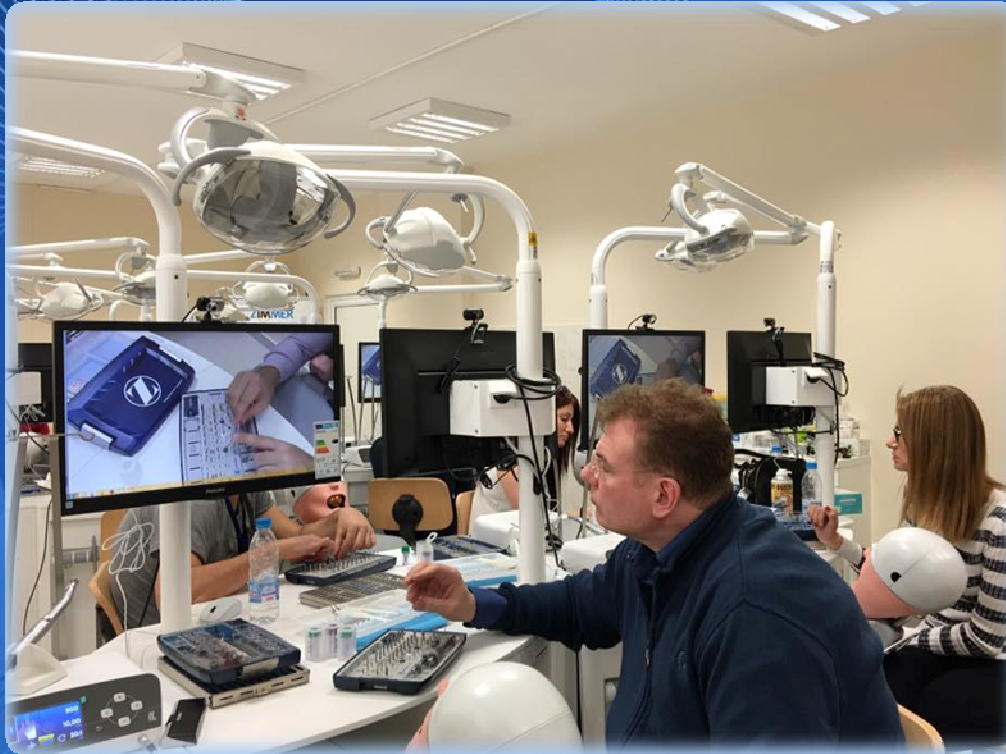


Faculty of Dental Medicine Sofia
Center for Additional Education
Dental Implantology

Newest
department!

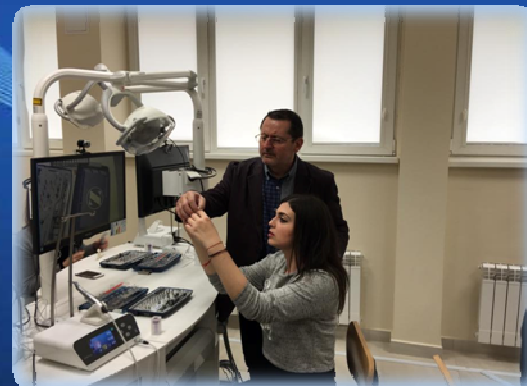


The center for dental implantology was opened in the beginning of the 2016



With live real time connection the work of the trainee is observed by the moderator who can give advises to every member of the group

The center has an operating room for live clinical demonstration and has a 3D camera





The lecture hall has more than 20 seats and is situated next to the operating room. The operation can be observed through glass.

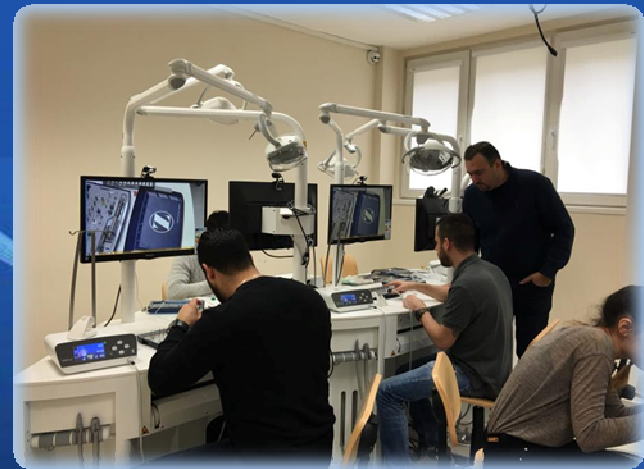
The 3D camera gives live projection on two monitors in the lecture hall



The equipment of the center is made by “*Pininfarina*”, which is an Italian brand for furniture and car design - *Ferrari and others*



The center has certificate for courses for postgraduate training





The courses end with the satisfaction and the smiling faces of all participants

- Many forums of continuous education of dental medicine are organized and professors from the whole world take part in it!



Sofia Dental meeting is the most significant
postgraduation education training.
It is organized every year with the assistants and the
professors from the FDM!



Courses for continuous education held in the FDM

Laser dental
medicine

Implantology

Pediatric dental
medicine

Endodontology

Orthodontics



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