



University of Goce Delchev - Stip



**First International Students
Congress in Dental Medicine
- 2018**

**DIGITAL VS
ANALOGICAL
IN DENTAL
MEDICINE**

Stip, Republic of Macedonia

28.03-29.03.2018

Multimedia centre, Stip



University of Goce Delcev- Stip

*International students congress in dental
medicine*



Digital VS Analogical in Dental Medicine

Faculty of Medical Sciences at the University “GoceDelcev” in Stip gladly invites you to participate in First International Students Congress where we will be able together to invest in the future of modern dentistry.

This Congress is a great opportunity to learn new techniques in dental treatment, to spend quality time with colleagues, to enjoy in the beautiful scenery of the Macedonian pearl- our city of Stip!

Enjoy!

Stip, Republic of Macedonia -28.03.-29.03.2018

AGENDA

DAY ONE -WEDNESDAY , 28thof march

WELCOME – HAVE A NICE STAY!

8:30-10:00	Registration of participants
10:00	OPENING CEREMONY OF THE CONGRESS

MORNING SESSION

10:30	ORAL PRESENTATIONS- SESSION 1 Chairmen: Ass. Prof. Papakoca K.; Ass. Prof. Zlatanovska K. ; Student -Ilievski S.
10:30-11:00	Invited speaker- <i>Prof. Rubin Gulaboski, dean of the Faculty of medical sciences</i> Fake Science, Fake Journals, Fake Scientists
11:00-11:20	Invited speaker- <i>Ass. Prof. Marija Darkovska- Serafimovska</i> Adverse drug interactions in dental practice
11:20-11:30	Smile design with metal free ceramics Author: Stefanija Stojanova Co-author: Stefani Joveva Mentor: Kocovski Darko Co-mentor: Zlatanovska Katerina
11:30-11:40	Modified Direct Composite Resin Bonded Bridge Author: Aleksandar Andreevski , Co-author: Natasha Longurova Mentor: Ivona Kovachevska
11:40-11:50	Nanocomposites – The Future Of Improved Restorative Dentistry Author: Andrej Stojanovski , Co-author: Artion Abdiju Mentor: Vera Stojanovska <i>Faculty of dentistry, European University, Skopje</i>
11:50-12:00	Discussion

12:00-13:00- POSTER PRESENTATIONS

	POSTER PRESENTATIONS Chairmen: Ass. D-r. Petrovski M.; D-r. Kocovski D.; student- Trajkova M.
Theme 1	Adhesive EverStick bridge- a single solution for lost tooth Author: <u>Marija Dejkoska</u> , Co- author: Stefan Ilievski Mentor: Sonja Rogoleva, Co-mentor: Ljupka Lazarova
Theme 2	Oral health related quality of life in patients with removable dentures Author: <u>Tatjana Lazareva</u> , Co-author: Anastasija Spasova Mentor: Darko Kocovski, Co-mentor: Katerina Zlatanovska
Theme 3	3D Printing in Dental Lab Author: <u>Emre Gulbahar</u> , Co-author: Lidija Angova Mentor: Apostoloski Pavle, Co-mentor: Kiril Mitevski
Theme 4	Identification and most common problems in dental impressions Author: <u>Jane Nacevski</u> , Co- author: Olivera Cekova Mentor: Katerina Zlatanovska, Co-mentor: Darko Kocovski
Theme 5	Application of combined fixed – mobile prosthetic allowances Author: <u>Manuel Stoimenov</u> Mentor: Ljupka Lazarova, Co-mentor: Sonja Rogoleva
Theme 6	Ivoclar porcelain sistem empres max, part from modern dentistry Autor: <u>Selman Candan</u> , Co-autor: Merve Bakan Mentor: Darko Kocovski, Co-mentor: Pavle Apostoloski
Theme 7	Prevalence, causes and prevention of post – cementation hypersensitivity Author: <u>Biljana Balshevska</u> Mentor: Katerina Zlatanovska, Co-mentor: Ivona Kovachevska
Theme 8	Digital technology and techniques used in the fabrication of complete dentures Author: <u>Simon Nadzenski</u> , Co-author: Hristijan Dimoski Mentor: Apostoloski Pavle, Co-mentor: Kiril Mitevski
Theme 9	Digital vs analog dental impression Author: <u>Magdalena Dejkoska</u> , Co-author: Slavica Tileva Mentor: Darko Kocovski, Co-mentor: Verica Toneva
Theme 10	Edelweiss veneers for perfect Hollywood smile- Case Report Author: <u>Packa Spasova</u> , Co- author: Ivana Spasova Mentor: Sonja Rogoleva, Co-mentor: Verica Toneva

Theme 11	Hand tracing vs. digital methods of cefalometric analysis Author: <u>Magdalena Koceva</u> , Co-author: Ana Trajkovska Mentor: Sandra Atanasova, Co-mentor: Verica Toneva
Theme 12	Anatomical and morphological variations of the maxillary lateral incisor Author: <u>Teodora Seneva</u> , Co-author: Marija Risteska Mentor: Kiro Papakoca, Co-mentor: Marija Hadji-Vasileva
Theme 13	The manufacture of inlays throughout the dental clinics in the Municipality of Shtip Author: <u>Petar Joleski</u> , Co-author: Stefan Nanev Mentor: Natasa Longurova, Co-mentor: Katerina Zlatanovska
Theme 14	Tooth discolorations after dental interventions Author: <u>Aleksandra Markoska</u> , Co-author: Izabela Brsakoska Mentor: Natasha Longurova, Co-mentor: Sandra Atanasova
Theme 15	Composite laminates for a perfect smile Author: <u>Verica Sajkarova</u> Mentor: Ljupka Lazarova, Co-mentor: Sandra Atanasova
Theme 16	Use of the teeth whitening procedure by dental medicine students Author: <u>Zorka Gjorgieva</u> , Co-author: Sara Talevska Mentor: Natasha Longurova, Co-mentor: Verica Toneva
Theme 17	The most common reasons for toothache Author: <u>Natalija Gorgieva</u> , Co-author: Lidija Angova Mentor: Verica Toneva, Co-mentor: Sandra Atanasova
Theme 18	TMD disorders among dental students Author: <u>Martin Treneski</u> , Co-author: Hristijan Dimovski Mentor: Terzieva-Petroska Olivera, Co-mentor: Petrovski Mihajlo
Theme 19	Mineral trioxide aggregate material use in dental pathology Author: <u>Anita Kirova</u> , Co-author: Frosina Pandova Mentor: Natasha Longurova, Co-mentor: Ivona Kovachevska
Theme 20	The anatomo-morphological differences between primary and permanent teeth Author: <u>Spase Sulev</u> , Co-author: Andon Stojkov, Mentor: Sanja Naskova, Co-mentor: Verica Toneva

13:00-14.00

LUNCH BREAK

14:00-17:00

HANDS ON COURSES

AFTERNOON SESSION

14:00	ORAL PRESENTATIONS- SESSION 2 Chairmen: Ass. Prof. Papakoca K.; D-r. Terzieva Petrovska O.; Student- Sulev S.
14:00-14:30	Invited speaker <i>Ass. Prof. Mirjana Bošković, Prof. Sasa Stankovic, Faculty of medical sciences, Nis, Serbia</i> The importance of the dental profile in forensic dentistry
14:30-14:50	Invited speaker <i>Olivera Terzieva-Petrovska</i> The importance of oral hygiene for the longevity of dental implants
14:50-15:00	Management of post-operative complications in maxillary teeth extraction Author: <u>Aleksandra Miteva</u> , Co-author: Zlatko Maksimov Menthor: Dimova Cena
15:00-15:10	Post-operative complications after extraction of impacted lower third molar Author: <u>Zlatko Maksimov</u> , Co-author: Aleksandra Miteva Menthor: Dimova Cena
15:10-15:20	Invastigation of anesthetic efficacy of modified intraoral conduction mandibular technique by angulated needle Author: <u>Kristina Burić</u> Mentor: Miloš Tijanić <i>Clinic of dentistry, Faculty of Medicine, University of Niš</i>
15:20-15:30	Discussion

15:30-16:00

COFFEE BREAK

EVENING SESSION

16:00	ORAL PRESENTATIONS – SESSION 3 Chairmen: Ass. Prof. Naskova S; Ass. D-r. Petrovski M.; student-Novoselska M.
16:00-16:20	Invited speaker <i>Ass. Prof. Kiro Papakoca</i> Digital Vs. analog x-ray images and their application in dentistry then and now
16:20-16:40	Invited speaker <i>Ass. D-r. Mihajlo Petrovski</i> Implantology vs. Periodontology
16:40-16:50	The prevalence of tooth extraction due to periodontal disease Author: <u>Dzemil Kurtagic</u> , Co-author: Erkin Crnisanin, Lazar Dobric Mentor: Ana Pejdic <i>Clinic of dentistry, Faculty of Medicine, University of Niš</i>
16:50-17:00	The use of soft tissue laser in everyday modern dental practise Author: <u>Stefan Ilievski</u> , Co-author: Spase Sulev Mentor: Papakoca Kiro, Co-mentor: Rogoleva Sonja
17:00-17:10	General plan of treatment in dentistry Author: <u>Ordanka Kostova</u> , Co-author: Sofija Gavrilova Mentor: Petrovski Mihajlo, Co-mentor: Terzieva-Petrovska Olivera
17:10-17:20	Dental Implant Planning using Cone Beam CT imaging Author: <u>Simona Coneva</u> Mentor: Papakoca Kiro
17:20-17:30	Discussion

DAY TWO – THURSDAY, 29th of march

MORNING SESSION

9:00	ORAL PRESENTATIONS-SESSION 4 Chairmen: Prof. Dimova C.;D-r. Terzieva-Petrovska O.; student-Dimovski H.
9:00-9:20	Invited speaker <i>Prof. Lidija Popovska, University "Sv. Kiril I Metodij"- Skopje</i> Cleaning and shaping using rotary endodontic instruments
9:20-9:40	Invited speaker <i>Jetmire Jakupi -Alimani, State University of Tetovo</i> Assessing the caries risk factors among children at the age from 4-5 using the Cariogram program
9:40-9:50	Aesthetic restorations with porcelain veneers Author: <u>Monika Kasuba</u> Mentor: Zlatanovska Katerina, Co-mentor: Longurova Natasa
9:50-10:00	An assesment of some psychological aspects in children undergoing dental interventions Author: <u>Iva Maslarevska</u> , Co-author:Liljana Petrova, Mentor: Sarakinova Olivera, Co-mentor: Kostadinovska Emilija <i>Faculty of dentistry, European University, Skopje</i>
10:00-10:10	Immediate loading of dental implants with hybrid bridge Author: <u>Danilo Krstevski</u> , Co-author: Katerina Spasovska, Dubravka Angelik Mentor: Veleovski Dragoljub, Co-mentor: Dimova Cena
10:10-10:20	Invited speaker <i>Pavle Apostoloski</i> CAD/CAM systems- the basis of modern dental prosthetics
10:20-10:40	Discussion

12:30-13:00 COFFEE BREAK

13:00-14:00 – POSTER PRESENTATIONS

	POSTER PRESENTATIONS Chairmen: Ass.Prof. Longurova N.; D-r. Rogoleva S.; student- K'rmazova S.
Theme 1	Early childhood caries: prevalence, risk factors and prevention Author: <u>Nikola Stojkov</u> , Co-author: Viktorija Popovska Mentor: Sanja Nashkova, Co-mentor: Ljupka Lazarova
Theme 2	Application of fluoride in children (advantages and disadvantages) Author: <u>Tatjana Taseva</u> , Co-author: Katerina Mladenovska Mentor: Ljupka Lazarova, Co-mentor: Sanja Nashkova
Theme 3	Role of fluoride varnish in preventing early childhood caries Author: <u>Marija Novoselska</u> , Co-author: Suzana K'rmzova Mentor: Sanja Naskova, Co-mentor: Sandra Atanasova
Theme 4	Traumatic injury caused by a toothbrushing: a case report Author: <u>Ljubica Prosheva</u> Mentor: Sandra Atanasova, Co-mentor: Sanja Nashkova
Theme 5	Oral manifestations in patients with iron deficiency anemia Author: <u>Marija Vojvodik</u> , Co-author: Simona Georgieva Mentor: Olivera Terzieva-Petrovska, Co-mentor: Sonja Rogoleva
Theme 6	Oral manifestation in patients with diabetic disease Author: <u>Blagica Miteva</u> , Co-author: Ksenija Dimitrusova Mentor: Sonja Rogoleva, Co-mentor: Olivera Terzieva-Petrovska
Theme 7	Oral manifestation of GERD and Crohn's disease Author: <u>Maja Trajkova</u> , Co-author: Zorica Kozuharova Mentor: Verica Toneva, Co-mentor: Aleksandra Toneva Nikolova
Theme 8	Beneficial effects of <i>Lactobacillus sp.</i> against <i>Streptococcus mutans</i> Author: <u>Spase Stojanov</u> Mentor: Darinka Gjorgieva Ackova, Co-mentor: Katarina Smilkov

Theme 9	Anti-caries vaccine - approach and challenges Author: <u>Strahil Todorov</u> Mentor: Darinka Gjorgieva Ackova, Co-mentor: Katarina Smilkov
Theme 10	Dental laser usage in everyday dental practice Author: <u>Popovska Anastasija</u> , Co-author: Popovska Verica Mentor: Petrovski Mihajlo, Co-mentor: Terzieva-Petrovska Olivera
Theme 11	The most common used painkillers Author name: <u>Lea Efremova</u> , Co-author name: Maja Dejanoska Mentor: Aleksandra Toneva Co-mentor: Verica Toneva
Theme 12	The most common anesthetics used in dentistry Author: <u>Ognen Cvetanoski</u> , Co-author: Ljupcho Bikovski Mentor: Cena Dimova
Theme 13	The beneficial effects of the PRF membranes in a clinical setting Author: <u>Mimoza Alcheva</u> , Co-Author: Selman Candan Mentor: Kiro Papakocha, Co-mentor: Mihajlo Petrovski
Theme 14	Most common reasons for apicotomy Author: <u>Blagoj Lazarov</u> Mentor: Olivera Terzieva-Petrovska, Co-mentor: Mihajlo Petrovski
Theme 15	Evaluation of post-extraction site wound healing Author: <u>Ljupcho Bikovski</u> , Co-author: Ognen Cvetanoski Mentor: Cena Dimova
Theme 16	Oral hygiene habits of a dental medicine students Author: <u>Nikola Bozinov</u> Mentor: Olivera Terzieva-Petrovska, Co-mentor: Mihajlo Petrovski
Theme 17	Assessment of oral hygiene additional supplements among dental students Author: <u>Aleksandra Crngarova</u> , Co-author: Sofija Mitevka Mentor: Verica Toneva, Co-mentor: Sonja Rogoleva
Theme 18	Oral hygiene maintenance in patients with denture Author: <u>Sara Talevska</u> ; Co-author: Zorka Gjorgieva Mentor: Verica Toneva ; Co- mentor: Darko Kocovski

14:00-17:00

HANDS ON COURSES

**Одржување на орална хигиена во домашни услови**
(Доц. Др. Сања Нашкова и Др. Верица Тонева)

Универзитет „Гоце Делчев“ - Штип
Факултет за медицински науки
Дентална Медицина

Digital vs Analogical in Dental Medicine

Теоретски дел:

- Основни и дополнителни средства за одржување на орална хигиена
- Видови, избор и одржување на четки за заби
- Техники на одржување на орална хигиена
- Придонес од одржување на орална хигиена

Практичен дел:

- Приказ на средства за одржување на орална хигиена
- Демонстрирање на техники на четкање на заби
- Демонстрирање на дополнителни средства за одржување на орална хигиена
- Сумирање на предностите од користење орално-хигиенските средства

Максимум: 8 учесници
Место: Сала 1 (фантомска сала-сала за претклиника)
Датум: 29.03.2018
Време: 14 - 17 часот (1 час: 45 мин. теоретски дел, пауза: 15 мин., 2 часа: 2x 45 мин. практичен дел)

Контакт меил: verica_toneva@hotmail.com



**NEEDLES, SUTURE MATERIALS AND KNOTS USED IN ORAL SURGERY PROCEDURES**

Lecture: prof. d-r Cena Dimova
Instructors: prof. d-r Cena Dimova, d-r Sonja Rogoleva, d-r Marija Hadzi-Vasileva, d-r Ljupka Lazarova, d-r Darko Kocovski
University: „Goce Delchev“ - Shtip
Faculty of Medical Science
Dental Medicine

Digital vs Analogical in Dental Medicine

Introduction:
The paramount goal of soft tissue surgery is closure of wound flaps, in the absence of tension on the flaps, which will lead to optimal wound healing.
Oral surgical procedures that require flap manipulation such as those used with traditional oral surgery procedures, dental implantation, periodontal therapy, hard and soft tissue regeneration, and the excision of pathologic tissue require excellence in execution and a thorough understanding of the various techniques of surgery, suturing and the materials currently available to ensure the desired clinical results.

Program (group of maximal 15 students):
14.00 - 14.30 lecture of oral surgery armamentarium for oral surgery incision, flap design and suturing (needles, suturing materials and knots).
14.30 - 16.00 Workshop
Demonstration of suturing technique: simple loop, interrupted suture, horizontal and vertical mattress suture.
16.00 - 16.10 Certifications

Contact mail: sonjarogoleva@gmail.com



**Препарација на заби за безметални надоместоци – коронки и фасети**
(Доц. Др. Катерина Златановска, Др. Дарко Кочовски и Др. Сандра Атанасова)

Универзитет „Гоце Делчев“ - Штип
Факултет за Медицински Науки
Дентална Медицина

Digital vs Analogical in Dental Medicine

Теоретски дел 1-1.5 час:

- вовед во безметалните системи – поделба, индикации и практична примена
- подготовка на зобите за безметални корони и фасети
- принципи на цементирање на безметалните реставрации – избор на цемент, специфичности на припрема на заб и на безметалниот надоместок

Практичен дел 2 часа:

- подготовка на три зоба (централен ицизис, премолар и молар)

Место: Сала 1 (фантомска сала-сала за претклиника)
Датум: 28.03.2018
Време: 14-17 часот

Контакт меил: kocovski99@gmail.com



**Техники на апликација на гутаперка**
(Проф. Др. Ивона Ковачевска, Доц. Др. Наташа Денкова, Др. Сандра Атанасова, Др. Верица Тонева)

Универзитет „Гоце Делчев“ - Штип
Факултет за Медицински Науки
Дентална Медицина

Digital vs Analogical in Dental Medicine

Теоретски дел (1 час):

- Подготовка за ендодонски третман
- Инструменти за препарација на коренски канали
- Техники и цели на канално ширење
- Методи на ширење на коренски канали
- Оптурација на коренски канали

Практичен дел (2 часа):

- Демонстрација на оптурација на коренски канали на следните техники (Гутерман кондензација, Тетраfil и GuttaFlow техника)
- Практично изведување на модели
- Евалуација на обуката

Максимален број на учесници: 10 студенти.
Место: Ординација 4
Датум: 28.03.2018
Време: 14-17 часот
Контакт меил: natasa.denkova@ugd.edu.mk



The beneficial effects of the PRF membranes in a clinical setting

Author: **Mimoza Alcheva**, Co-Author: Selman Candan

Mentor: Kiro Papakocha, Co-mentor: Mihajlo Petrovski

Faculty of medical sciences, University "Goce Delcev"-Stip

Abstract

Platelet-rich plasma (PRP) and platelet-rich fibrin (PRF) are autologous platelet concentrates prepared from patient's own blood. Contemporary dentistry is focused on the development of alternatives that might result in the local release of growth factors accelerating tissue healing. However, the plasma content and preservation of platelets depends on the compression methods used. To accurately evaluate the clinical outcome of PRF, the preparation protocol should be standardized.

Platelet-rich plasma (PRP) is a platelet-rich fraction of plasma and is clinically available as a source of growth factors to facilitate tissue repair and regeneration. To improve the handling efficiency, the retention at application sites, and the release of growth factors, bovine thrombin and/or calcium have been preferentially added to PRP to directly or indirectly facilitate the conversion from fibrinogen to fibrin.

In the field of dental medicine, there are three major applications of PRF preparations. These applications include 1) biodegradable barrier membranes for guided tissue regeneration, including alveolar ridge augmentation, 2) a reservoir of growth factors as a gel form of PRP for tissue regeneration, such as bone induction and 3) biodegradable scaffolds for tissue engineering.

For the standardization of PRF preparations as a grafting material, the use of the region of the PRF membrane with the greatest platelet enrichment is proposed and not to squeeze out all of the plasma contained in the original PRF clots. In this regard, the novel compression device would be useful for preparation of biologically active PRF.

Keywords

Platelet-rich plasma (PRP), platelet-rich fibrin (PRF), PRF membranes