



МЕДИЦИНСКИ УНИВЕРСИТЕТ - ПЛОВДИВ

COMPETITION SCIENCE AND YOUTH 2020

PROGRAM

03.04.2020 (Friday)

16.00 – 16.10 Opening Ceremony

**16.15 – 17.00 Plenary Lecture – Prof. Dr. Angelina Vlahova, DMD, PhD
“CAD/CAM Implant Planning for Fixed Prosthodontics with 3D Printed Surgical Guides”**

17.05 – 17.50 Prof. Valentin Akabaliev, MD, PhD, DSc “Genius and Madness”

18.00 – 18:45 Lecture Dr. Karteva – „Dance Lesson - Your scientific idea is the melody to which you can dance your presentation away“

04.04.2020 (Saturday)

8.00 – 10.00 Session Pharmacy and pharmacotherapy

Oral presentations:

1. Mihaela Popova, Merlin Esad, Anita Koleva, Tsvetelina Mladenova, Plamen Stoyanov, Anelia Bivolarska. The role and antioxidant activity of phenolic acids and flavonoids in *Haberlea Rhodopensis* Griseb., Lamiaceae.

2. Stanislava Ivanova, Kalin Ivanov, Melissa Bekyar, Pavlina Kostova. HPLC method for determination of caffeine in food supplements for weight loss.

E-posters:

1. Nina Doncheva, Anita Mihaylova, Hristina Zlatanova, Delian Delev, Ilia Kostadinov. Effects of cholecalciferol on learning and memory processes in rats with scopolamine-induced amnesia.

2. Vera Gledacheva. Determination of half maximal effective concentration by application of papaverine and IQP on rat's stomach smooth muscles.

3. Slavka Stefanova, Lyudmil Peychev, Gergana Boqdzieva. Experimental study of acute toxicity of an aqueous extract of *Tanacetum vulgare*

4. Ivan Zviskov, Kalin Ivanov, Snejana Evgeniieva, Daniela Seymenska, Stanislava Ivanova. Thin layer chromatography (TLC) method for determination of diphenhydramine hydrochloride in medicines

5. Daniela Seymenska, Stoyan Zheynov, Niko Benbassat, Petko Denev. Anthocyanin antioxidants in *Sambucus nigra* L. and *Sambucus ebulus* L. (Caprifoliaceae) fruits and their health benefits.

10.00 – 12.00

Session Surgery 1

Oral presentations:

1. Valentin Ivanov, Rosen Dimov. Evolution in indications and operative technique for the detection of mastectomy.

2. Gancho Kostov, Rosen Dimov. Laparoscopic and conventional surgery in the treatment of colorectal carcinoma: retrospective analysis of 193 patients.

3. Gancho Kostov, Rosen Dimov, Veselin Marinov. Analysis of the advantages and disadvantages of protective ileostomy application in lower anterior rectum resection – initial results
4. Velizar Hadzhiminev, Krasi Kalacheva K, Angel Uchikov, Ivan Novakov. Secondary spontaneous pneumothorax - diagnosis and treatment.
5. Petar Uchikov, Yana Merdzhanova-Gargova, Anna Mihaylova, Milena Sandeva. Evaluation of the effects of menstrual factors in women with non-small cell lung cancer (nsclc).
6. Simeon Lichev, Milena Gulinac, Youri Anastassov, Kostadin Gigov. Fetal oropharyngeal teratomas – a case report.
7. Martin Karlyukov, Mihail Kalnev, Borislav Kalnev. Echinococcosis in upper thoracic segment of the spine.
8. Mihail Kalnev, Ivo Kehayov, Borislav Kalnev. Occipitocervical fusion in a patient with occipital condyle fracture with condyle fragment.
9. Petya Kavradzhieva, Valentin Ivanov. A review of puerperal mastitis- diagnosis, prevention and treatment.

E-posters:

1. Stefan Prisadov, Petar Uchikov, Spas Kitov, Elena Becheva. Postoperative complications during removal of large pheochromocytoma- clinical case
2. Atanas Ivanov, Petar Antonov, Ivan Dechev. Early postoperative removal of the urethral catheter after transurethral resection of the prostate gland - efficacy and safety.

12.30 – 14.30 Session Surgery 2

Oral presentations:

1. Stanislav Karamitev. Behavior and treatment of tilt - pelvic fractures
2. Stanislav Karamitev. Minimally Invasive approach for pelvic ring fractures
3. Yana Merdzhanova-Gargova, Magdalena Ivanova, Magdalina Vlahova, Petar Uchikov. Rare clinical case of interstitial pregnancy and review of the literature.
4. Stefan Grancharov, Stanislav Karamitev. Fractures of the anterior pelvic compartment and methods of surgical treatment.
5. Polina Angelova, Georgi Apostolov, Ivo Kehayov, Atanas Davarski. Complete anatomical interruption of the spinal cord after th11 burst fracture.
6. Angel Belov , Iavor Ivanov Dechev. Urgent lymphadenectomy in a patient with squamous cell carcinoma of the penis presenting with bulky and ulcerated inguinal lymph node metastases.
7. Mladen Doykov, Stanislav Valkanov , Ivan Dechev. Efficiency and safety of a minimum invasive percutaneous nephrolithotomy with a modified aspiration access shaft
8. Krum Vladov, Gyta Yamakova -Vladova, Kamen Yamakov, Ekaterina Uchikova, Elena Dimitrakova. From uterine scar to pathological defect-actual aspects of the isthmocele - literature review

E-posters:

1. Polina Zaharieva, Katerina Ivanova, Yana Merdzhanova-Gargova. Dandy-walker malformation - case report.

2. Milena Gulinac, Dorian Dikov, Veselin Belovejdov, Elena Gerakova, Simeon Lichev. The evolution of immunotherapy for urothelial carcinoma of bladder – a literature review.

3. Petar Antonov, Atanas Ivanov¹, Ivan Dechev. Early penile rehabilitation with tadalafil after nerve-sparing radical retropubic prostatectomy – initial results.

14.40 – 16.00 Session Dental medicine and Public health and Health management

Oral presentations:

1. Elena Vasileva, Angelina Vlahova, Rima Atair, Stoyan Yankov. Comparison of the polishing capabilities of two glass-ceramics with different crystalline phase

2. Vasil Dimitrov, Yordan Vasilev¹, Zlatina Tomova, Angelina Vlahova. Corrosion and corrosion resistance of base alloys used in dentistry.

3. Zlatina Tomova, Angelina Vlahova, Atanas Chonin, Svetlin Alexandrov. Corrosion resistance, tensile strength and structure of base metal alloys for metalceramics, produced by different methods.

4. Teodora Karteva, Tatyana Todorova, Ekaterina Karteva, Neshka Manchorova, Maria Kazakova, Donka Keskinova, Stoyan Vladimirov, Victoria Sarafian. A study of the role of the immune response in the pathogenesis of asymptomatic apical periodontitis.

5. Michaela Hubenova, Liliya Tsenkova,. Food habits and BMI of students at MU Plovdiv

E-posters:

1. Tsvetan Tsvetanov, Stanimir Kiselov, Desislav Tomov. Application of a MASS spectrometry analysis for dental local anaesthetics Articaine and Lidocaine “Project Session”.
2. Neda Petkova, Tanya Bozhkova, Nina Musurlieva. Motivation of edentulous patients for dental treatment
3. Stefka Stoilova, Zlatka Lozanova, Teodora Dimcheva. Sustainability in the behavior of health care specialists influenced by the psycho-climate of the workplace.
4. Stefania Krasteva. Levels and dynamics of the costs of diagnosis of occupational diseases as part of the budget of the ministry of labour and social policy.
5. Kristina Balabanska, Kristina Kilova, Desislava Bakova. Mobile healthcare – new opportunities for patients.
6. Paola Petkova, Evgeni Grigorov, Bogdan Kirilov. Study on actuality of patient information leaflets in Bulgaria
7. Lora Doycheva, Kristina Kilova. Study of public attitudes on the application of information and communication technologies in the field of healthcare among healthcare specialists in Bulgaria

16.00-17.30 Medical biology session

Oral presentations:

1. Maria Gevezova, Zdravko Ivanov, Maria Kazakova, Victoria Sarafian. Mitochondrial dysfunction in ASD – new therapeutic aspects.
2. Yordan Sbirkov, Kalina Gercheva, Hasan Burnusuzov. Establishment of Prednisolone-resistant cell lines from pediatric acute lymphoblastic leukemia.

3. Marin Kanarev, Spas Kitov, Elena Daskalova, Slavi Delchev, Ludmila Vladimirova-Kitova. Investigation of the effects of functional beverages with antioxidant activity on morphological markers of aging and early atherogenesis in rats.

4. Petar Vasilev, Mariya Ivanovska, Gergana Lengerova, Eli Hristozova, Mariana Murdjeva, Mariyana Stoycheva. Coinfection of clostridium defficile, aeromonas hydrophila and rotavirus (clinical case)

E-posters:

1. Nikoleta Kochanova, Sava Petrov. Androgen production in women.

2. Spas Kitov, Ivan Manolov, Stefan Prisadov. Clinical course of a 56 y.o woman with Ebstein's anomaly.

3. Viktor Filipov, Adelina Boyanova, Jan Bashev, Milena Draganova - supervisor, Plamen Zagorchev. Near infrared radiation induces relaxation of smooth muscles in vitro.

4. Zlatina Ivanova. Non-invasive measurement of skin stiffness in localized scleroderma.

5. Veselina Kanova, Atanas Uchkunov. Ghrelin and its role in bile metabolism – a review.

05.04.2020 (Sunday)

08.00 – 10.00 Session Internal diseases and therapy

Oral presentations:

1. Georgi Nanov, Radka Komitova, Maria Atanasova. When hepatitis E and hepatitis B meet.

2. Hristo Hadjiev, Radka Komitova. On the way of cure by HIV.

3. Nikoleta Dimitrova, Svetlan Dermendziev. Pulmonary silicosis associated with unilateral hyperlucent lung-steward james macleod syndrome- a rare case report.
4. Silviya Krumova, Vasil Marinov, Desislava Koleva-Georgieva. Evaluation of the retinal ganglion cell layer thickness in healthy caucasian children.
5. Petya Konakchieva. Differential diagnosis of chronic cough in a real patient.
6. Ivana Katsarska, Viktoria Babacheva. Thrombotic thrombocytopenic purpura: a true hematological emergency and challenge.

E-posters:

1. Toni Dimov, Ivan Katerinski1, Dimo Vasilev. Cardiac arrest associated with a posterobasal left ventricular wall aneurysm: case-report.
2. Zlatina Ivanova. Non-invasive measurement of skin stiffness in localized scleroderma.
3. Teodor Aleksiev. Assessment of the efficacy of a new warming gel in patients with primary raynaud.
4. Vasil Kotetarov, Asen Beshkov. Factor analysis of the scale for religious engagement, the meaning of religion in a person's life, religion and mental health.

10:30 – 11.30 English session

1. Aglika Byandova, Zdravko Taralov, Petar Dimov. The role of cardio-pulmonary exercise testing in the management of overtraining syndrome: a case report.
2. Ivan Sitnikov, Eleftherios Nikolaou, Polina Angelova, Ivo Kehayov, Atanas Davarski. Petro-mastoid skull base tumor presenting with peripheral facial nerve palsy.

3. A. Banji-Kelan, O. Obolo, E. Uchikova, M. Spasova, P. Stefanova. A case of paediatric granulosa cell tumor without signs of hyperestrogenism.
4. Stanislava Ivanova, Konstantinos Antoniadis, Sophia Karidi, Apostolos Bakopoulos, Kalin Ivanov, Charalampos Papamarkakis. Rapid Detection of dehydroepiandrosterone by HPLC-UV.
5. Tomilade-Adesola Baderinwa Ladeji, Oreoluwa Iyanda, Obiageli Orji, Maria Olajide-Aliyu, Hadijat Lawal, Margarita Ajayi, Katya Sapunarova. Escaping tumor lysis syndrome in chronic myelogenous leukemia by gradually increasing the initial dose of tyrosine kinase inhibitors.
6. Lyudmil Simeonov, Dimitar Pechilkov, Petar Dimov, Zdravko Taralov. The effect of aerobic training on functional capacity assessed by cardio-pulmonary exercise testing in patients after Fontan procedure: a case report.
7. Gergana Trenova, Nikolay Mandadzhiev, Zdravko Taralov, Petar Dimov. An elite athlete with exercise-induced asthma – a problem, often targeting the healthiest population group: a case report.
8. Amita Singaravelou, Navkirandeep Kaur, Deepa Kootungal. The anatomization of the third head of the biceps brachii.

11.30 – 11.40 - Official Closing Ceremony