



## 29-th Annual Assembly of IMAB and with the satellite 6-th Meeting of Alumni Club at Medical University Varna

**9 - 12 May 2019,**  
*Congress center, Hotel Admiral, Resort Golden Sands,  
Varna, Bulgaria*

under the patronage of the Rector of the Medical University Varna

### Organizing Committee:

President of IMAB: Krassimir Metodiev  
Board of IMAB: Mariana Arnaudova, George Kyuchukov, Tatina Todorova, Neli Ermenlieva, Gabriela Tzankova, Asparuh Asparuhov, Svetoslav Stoimenov, Jordan Gechev, Orlin Savov, Kapriel Kaprelyan, Sergei Popov, Stefan Toschew, Martin Mintchev, Ara Kaprelyan, Aidun Genchoi, Evstratios Milonas, Gregory Echilevich, Deyan Anakievski, Emil Gatchev  
Secretariat: Ruska Nikolova, Todorinka Totkova, Dora Peychinska  
**Web-site of IMAB:** <http://www.imab-bg.org/>

### Final Programme:

#### **9 May 2019/thursday/**

arrival, registration, accommodation, Hotel Admiral, Resort Golden Sands, Varna  
**19:30** - welcome get-together

#### **10 May 2019/friday/**

**09:00-09:30** - opening ceremony, greeting addresses, awards of IMAB

**09:15-11:15** - First session: **MEDICINE – ORAL PAPERS (10 minutes)**

**Chair:** Krassimir Metodiev, Orlin Savov, Martin Mintchev

#### **- E-MOSQUITO: THE PLATFORM FOR PRO-ACTIVE HEALTHCARE**

Martin P. Mintchev,  
University of Calgary, Canada

#### **- PRECISION ONCOLOGY FOR THE PROSTATE CANCER – WHERE WE ARE IN 2019**

<sup>1</sup>Orlin Savov, <sup>1</sup>Vladislav Mladenov, <sup>1</sup>Mitko Tzvetkov, <sup>1</sup>Dimitar Mladenov

<sup>1</sup>Office/Dpt. of Urology, St. Theresa, Teaching Hospital of The University of Erlangen, Nuremberg, Germany; <sup>1</sup>Dpt. Of Urology, Medical University of Sofia, Bulgaria

#### **- RADIOFREQUENCY ABLATION IN TREATMENT OF BONE TUMOR IN PEDIATRICS**

Todor Gerov, Tsvetelina Mancheva-Gerova, Omer Or, Meir Liebergal, Yacob Sosna  
Hadassah Hospital, Jerusalem, Israel

#### **- NECK ULTRASONOGRAPHY AND PERCUTANEOUS FINE NEEDLE BIOPSY UNDER ULTRASOUND WITH SUBMENTAL ACCESS – UNCOMMON APPROACH FOR TONGUE CANCER DIAGNOSIS**

Milena Avdzhyska<sup>1</sup>, Nikolay Raykov<sup>2</sup>, Snezhinka Vicheva<sup>3</sup>, Asya Raykova<sup>4</sup>, Miroslav Raykov<sup>5</sup>

<sup>1</sup>Medical University “Prof. Dr. Paraskev Stoyanov”; Varna, Bulgaria

<sup>2</sup>Medical complex “Plus”; Varna, Bulgaria

<sup>3</sup>Oncological Dispensary “Marko Markov”, Department of Clinical Pathology; Varna, Bulgaria

4MHAT Dobrich, First department of internal diseases; Dobrich, Bulgaria  
5MHAT "St. Anna", Department of Orthopaedics and traumatology; Varna, Bulgaria

**- LAPAROSCOPIC PARTIAL NEPHRECTOMY**

D. Anakievski, R. Marinov, V. Nikolov, P. Abushev

Clinic of Urology, St. Marina University Hospital of Varna, Medical University - Varna, Bulgaria

**- POSSIBILITIES FOR IMPLEMENTATION OF NATIONAL SCREENING PROGRAM FOR CHRONIC HCV INFECTION - PRECONDITIONS AND CONSEQUENCES**

Maria Dimitrova, Maria Kamusheva, Guenka Petrova

Faculty of pharmacy, Medical University of Sofia, Department Organization and economy of pharmacy, Sofia

**- CHALLENGES IN THE DIAGNOSIS AND TREATMENT OF CHRONIC COUGH**

Darina Miteva, Vanya Kostadinova, Yordan Radkov

Department of Pulmonology and Allergology, Medical Faculty, Medical University-Varna, MHAT "St. Marina" - Varna, Bulgaria

**- HEART FAILURE FROM CINDARELLA TO FRONT STAGE**

Branimir Kanazirev

Department of Propedeutic of Internal Medicine

**- BENEFITS OF TAVI FOR THE TREATMENT OF AORTIC STENOSIS**

Veselin Valkov

Ist Clinic of cardiology, UMHAT "St. Marina", Varna

**- USE OF PRASUGREL IN CLINICAL PRACTICE**

Atanas Kostadinov

UMHAT St. Marina Varna, Medical University of Varna

**11:15-11:30 - coffee break**

**11:30-13:00 - Second session**

Chair: George Kyuchukov, Tatina Todorova, Emil Gatchev

**- HEMOSTASIS IN ERYSIPELAS**

Tsveta Kalinova, Yoanna Velevska, Sonia Marina

Medical University of Varna, Faculty of Medicine, Department of Infectious diseases, parasitology and dermatovenerology, University Hospital "St. Marina", Varna

**- PSYCHOSOMATIC NEW CONCEPTS AND THERAPY OF NEUROTIC DISORDERS.**

Jenet Petkova

Trakia hospital, Bulgaria

**- IMPACT OF AIR POLLUTION ON COPD PATIENTS IN BULGARIA**

Miglena Doneva<sup>1</sup>, Guenka Petrova<sup>1</sup>, Daniela Petrova<sup>2</sup>, Maria Kamusheva<sup>1</sup>

<sup>1</sup>MU Sofia, Faculty of Pharmacy, Dunav 2 Str., Sofia, Bulgaria

<sup>2</sup>MU Sofia, UMBAL „Alexandrovska“, Department of Propaedeutic of Internal Medicine, St. Georgi Sofiyski Str. 1, Sofia, Bulgaria

**- FIRST CAMPAIGN FOR PREVENTION OF ALLERGIC SKIN DISEASES/RESULTS FROM VARNA/**

Yoanna Velevska, Tsveta Kalinova, Jana Kazandjieva, Sonya Marina

Dermatovenerology, Dept. Infection diseases, parasitology and dermatovenerology, Med. University of Varna

**- FOLLOW-UP OF PATIENTS WITH NON-CYSTIC FIBROSIS BRONCHIECTASIS**

Vanya Kostadinova<sup>1</sup>, Darina Miteva<sup>1</sup>, Yordan Radkov<sup>1</sup>, Temenuga Stoeva<sup>2</sup>

<sup>1</sup>Department of Internal Diseases, ES Pulmonary Diseases and Allergology, Medical University of Varna

<sup>2</sup>Department of Microbiology and Virology, Medical University of Varna

**- VITAMIN K2 AND ITS ROLE IN DIABETIC MACROVASCULAR COMPLICATIONS**

Elena Marinova, Branimir Kanazirev, Mila Boyadjieva, Yana Bocheva

Medical University of Varna, University hospital "St. Marina", Varna

**- PROCALCITONIN AND SEPSIS**

Dimitrova-Karamfilova A, E. Keuleyan, I. Petrova, D. Panayotova, N. Tomova, S. Tete, M. Michailova

Medical Institute – Ministry of the Interior, Bulgaria

**- POSSIBLE MARKERS FOR NECROSIS AND NECROPTOSIS IN PATIENTS WITH MYOCARDIAL INFARCTION WITH ST SEGMENT ELEVATION**

Yavor Kashlov

Medical University Varna; MBAL St. Marina-Varna

**- MANAGEMENT OF MUNICIPAL HOSPITALS- PRESENT CONDITION AND PROSPECTS**

Elisaveta Petrova-Geretto, Zlatitsa Petrova

Department of Medical Ethics and Law

Department of Health policy and Management, Faculty of Public Health, Medical University- Sofia

**- INTERCHANGEABILITY OF INNOVATOR AND GENETIC DRUG PRODUCTS; BENEFITS AND RISKS**

Emil Gatchev

Department of Clinical Pharmacology and Therapeutics, Medical University- Sofia

13:00-14:00 - lunch break

14:00-16:00 - Third session: MEDICINE – ORAL PAPERS (10 minutes)

**Orthopedics**

Chair: Dimitar Raikov, Orlin Filipov

**- INITIAL EXPERIENCE IN THE TREATMENT OF FUNCTIONAL ANKLE INSTABILITY**

Preslav Penev; Miroslav Raykov; Dimitar Raykov

Department of Orthopaedics and traumatology; Medical university “Prof. d-r Paraskev Stoyanov” – Varna

**- POSTEROLATERAL APPROACH FOR OPEN REDUCTION AND INTERNAL FIXATION OF POSTERIOR MALLEOLUS**

Preslav Penev; Blagovest Belchev; Dimitar Raykov

Department of Orthopaedics and traumatology; Medical university “Prof. d-r Paraskev Stoyanov” – Varna

**- PROBLEMS IN THE DIFFERENTIAL DIAGNOSIS OF A SOLITARY ANTERIOR NECK MASS: CASE REPORT**

Raykov N.1, Raykova A2., Vicheva S.3, Slavov G.4, Hristova V.5, Malcheva D.6, Todorov Sv.6, Kachovski Ts.7, Avdzhyska M.8, Raykov M.9

1Medical Complex „Plus“;Varna ,Bulgaria

2MBAL Dobrich AD, First department of internal diseases, Dobrich, Bulgaria

3Oncological Dispensary“ Marko Markov“;Department of clinical pathology; Varna, Bulgaria

4”St. Anna” hospital, Department of Thoracic Surgery; Varna, Bulgaria

5”St. Anna” hospital, Department of Clinical Pathology; Varna, Bulgaria

6Clinical Laboratory “Status”, Varna, Bulgaria

7MU-Varna “Prof. Dr. Paraskev Stoyanov”, Department of Obstetrics and gynecology Varna, Bulgaria

8MU-Varna “Prof. Dr. Paraskev Stoyanov”, Varna, Bulgaria

9MBAL “St. Anna” Varna, Department of orthopaedics and traumatology, Varna, Bulgaria

**- DEEP OSCILLATIONS<sup>R</sup> - REDUCING EDEMA AND IMPROVING KINESIOLOGY IN THE EARLY STAGES AFTER KNEE JOINT ARTHROPLASTY**

Evgeniya Vladeva, Mariyana Mihaylova, Liliya Panayotova

Department of Physiotherapy, Rehabilitation, Thalassotherapy and Occupational Diseases, The Faculty of Public health, Medical University-Varna

**- STRESS X-RAY AS A DIAGNOSTIC METHOD FOR ACUTE ANKLE INSTABILITY**

Preslav Penev; Emilian Georgiev; Dimitar Raykov

Department of Orthopaedics and traumatology; Medical university “Prof. d-r Paraskev Stoyanov” – Varna

**- STEMLESS SHOULDER REPLACEMENT - ACTUAL SOLUTION IN HUMERAL HEAD PATHOLOGY**

Asparuh Asparuhov, I.Gerasimov, H.Aisoj, S.Kotzev

Medical University Pleven, Bulgaria

**- TOTAL KNEE ARTHROPLASTY AFTER FAILED UNICOMPARTMENTAL KNEE REPLACEMENT**

Asparuh Asparuhov, Iskren Gerasimov, S. Kotzev, H. Aisoj

Medical University Pleven, Bulgaria

**- BIPLANE DOUBLE-SUPPORTED SCREW FIXATION OF FEMORAL NECK FRACTURES. TEN YEARS OF CLINICAL EXPERIENCE**

Orlin Filipov

Orthopedic department, Vitosha hospital, Sofia

**- BIPLANE DOUBLE-SUPPORTED SCREW FIXATION OF FEMORAL NECK FRACTURES. OPERATIVE TECHNIQUE AND SURGICAL NOTES**

Orlin Filipov

Orthopedic department, Vitosha hospital, Sofia

**- ALTERNATIVES TO PLASTIC RECONSTRUCTION OF POST-TRAUMATIC HEEL DEFECTS**

Diko Boshnakov, Pavel Marinov

Eurohospital, Varna, Bulgaria.

16:00-16:15 - coffee break

16:15-18:00 - Forth session: MEDICINE – ORAL PAPERS (10 minutes)

**Obstetrics and gynecology**

Chair: Emil Kovachev, Stefan Ivanov

**- THE ROLE OF THE UNK CELL IN IMPLANTATION AND PLACENTATION IN EARLY PREGNANCY: LITERATURE REVIEW**

Kachovski Ts.1, Tonchev A.2, Kovachev E.3, Raykova A.4, Tsvetkov K.3, Koleva P.5, Ivanov S.3

1)Medical University -Varna “Prof. Dr Paraskev Stoyanov”, Department of Obstetrics and Gynecology, Varna, Bulgaria

2)Medical University -Varna "Prof. Dr Paraskev Stoyanov", Department of Anatomy and Cell Biology, Varna, Bulgaria

3)SBAGAL "Prof. Dr Dimitar Stamatov- Varna" EOOD, Varna, Bulgaria

4)MBAL Dobrich AD, First department of internal diseases, Dobrich, Bulgaria

5)Oncological Dispensary "Marko Markov", Department of clinical pathology; Varna, Bulgaria

**- SMOOTH MUSCLE TUMORS OF UTERUS WITH UNCERTAIN MALIGNANT POTENTIAL - WHAT ARE WE TO EXPECT?**

Angel Yordanov<sup>1</sup>, Assia Konsoulova<sup>2</sup>, Strahil Strashilov<sup>3</sup>, Gabriela Simeonova<sup>4</sup>, Polina Vasileva<sup>4</sup>

<sup>1</sup>Clinic of Gynecologic Oncology, University Hospital "Dr.G. Stranski", Pleven, Bulgaria

<sup>2</sup>Complex Oncological Center Burgas

<sup>3</sup>Department of Surgical Oncology, Medical University Pleven, Bulgaria

<sup>4</sup>Department of Obstetrics and gynecology, Medical University Pleven, Bulgaria

**- ETIOLOGY, DIAGNOSIS, AND CLINICAL MANAGEMENT OF VULVODYNIA**

Polina Vasileva<sup>1</sup>, Strahil Strashilov<sup>2</sup>, Gabriela Simeonova<sup>1</sup>, Angel Yordanov<sup>3</sup>

<sup>1</sup>Department of Obstetrics and gynecology, Medical University Pleven, Bulgaria

<sup>2</sup>Department of Surgical Oncology, Medical University Pleven, Bulgaria

<sup>3</sup>Clinic of Gynecologic Oncology, University Hospital "Dr.G. Stranski", Pleven, Bulgaria

**- UTERINE ISTHMOCELE - A LONG-TERM COMPLICATION OF CESAREAN SECTION (CS) SURGERY – MINI REVUE WITH CONTRIBUTION OF 3 CASES**

Polina Vasileva<sup>1</sup>, Strahil Strashilov<sup>2</sup>, Gabriela Simeonova<sup>1</sup>, Angel Yordanov<sup>3</sup>

<sup>1</sup>Department of Obstetrics and gynecology, Medical University Pleven

<sup>2</sup>Department of Surgical Oncology, Medical University Pleven, Bulgaria

<sup>3</sup>Clinic of Gynecologic Oncology, University Hospital "Dr.G. Stranski", Pleven, Bulgaria

**- EXPLAINING THE UNEXPLAINED INFERTILITY: THE DIAGNOSTIC POSSIBILITIES OF TRANSVAGINAL LAPAROSCOPY**

Atanas Aleksandrov, Emil Kovachev, Stefan Kisyov, Simona Anzhel, Nikoleta Tabakova, Dimitar Kazakov, Medical University of Varna, Dept. Obstetrics and Gynaecology

SBAGAL "Prof. Dr Dimitar Stamatov", Varna

**- CURRENT SURGICAL TREATMENT OF CERVICAL ADENOCARCINOMA STAGE T1A1**

Stefan Ivanov

Dept. Obstetrics and gynecology, Medical University of Varna, Bulgaria

**- ASPECTS IN THE TREATMENT AND PREVENTION OF PREECLAMPSIA**

Ivanov D, Kovachev E, Tsvetkov K, Tabakova N

SBAGAL-Varna, Department of Obstetrics and Gynecology

**- PLATELET-RICH PLASMA APPLICATIONS IN THE FIELD OF OBSTETRICS AND GYNECOLOGY: RATIONALE FOR USE AND CLINICAL RELEVANCE**

Nikoleta Tabakova, Emil Kovachev, Zhivko Zhekov, Atanas Alexandrov, Simona Anzhel,

Medical University of Varna. Department of Obstetrics and Gynecology; SBAGAL " Prof. d-r D. Stamatov " Varna

**- CLINICAL CASE OF PLACENTA ACCRETA DIAGNOSED POSTPARTUM**

Dimitar Kazakov, Emil Kovachev, Anzhel Aleksandrov

SBAGAL "Prof. Dr Dimitar Stamatov" Varna

Free evening, dinner option:

Restaurant Kopitoto (Bai Dancho Kyufteto) – Resort St.St. Constantine & Helena

– voucher 30 BG leva

**11 May 2019/saturday/**

**09:00-11:00 - Fifth session: DENTISTRY – ORAL PRESENTATIONS (10 minutes)**

**Chair:** Miglena Balcheva, Plamen Nenkov

**- SURGICAL AND IMPLANT TREATMENT IN PATIENTS WITH UNDERLYING DISEASES**

Aleksandar Georgiev, Miglena Balcheva

Med.University-Varna

**- RECURRENCE OF MEDICATION-RELATED OSTEONECROSIS OF THE JAW – WHEN TO EXPECT IT?**

Rosen Tsolov, Elena Firkova, Georgi Iordanov

Department of Maxillo-facial and Oral surgery, Saint George Hospital University Medical Center, Plovdiv

**- PERIAPICAL SURGERY. REVIEW.**

Bogdan Krastev, Ivan Filipov,

Department of Operative Dentistry and Endodontics, Faculty of Dental Medicine Plovdiv, Medical University Plovdiv

**- DIGITAL VERIFICATION OF CENTRIC BITE REGISTRATION**

Mariana Dimova-Gabrovska

Medical University-Sofia, Faculty of Dental Medicine, Department of Prosthetic Dentistry

**- POSSIBILITIES FOR APPLICATION OF SOFT RELINING MATERIALS IN MAXILLOFACIAL PROSTHESIS**

Ivan Gerdzhikov

Department of Prosthetic dentistry, Faculty of Dental Medicine, Medical University of Sofia

**- SPECIFICATIONS OF PROSTHETIC TREATMENT WITH FORMING DENTURES**

Ivan Gerdzhikov

Department of Prosthetic dentistry, Faculty of Dental Medicine, Medical University of Sofia

**- DIMENSIONAL RIDGE ALTERATIONS AND HISTOMORPHOMETRIC ANALYSIS FOLLOWING SOCKET PRESERVATION WITH PRF OR ALLOGRAFT: RANDOMISED CONTROLLED CLINICAL STUDY**

Vasilena Ivanova, Ivan Chenchev, Stefan Zlatev, Nikolay Kanazirski

Department of Oral surgery, Faculty of Dental Medicine, Medical University – Plovdiv, Bulgaria

**11:00-11:15 - coffee break**

**11.15-13.00 - Sixth session:**

**- PROTOCOL FOR PERIODONTAL TOOTH PREPARATION WITH ER-YAG LASER BEFORE FIXED PROSTHETIC TREATMENT**

Plamen Nenkov, Polina Velcheva, Metodi Abadzhiev

Med.University - Varna

**- SPEECH OUTCOMES IN SURGICALLY TREATED PATIENTS WITH ORAL CANCER**

Evgeniy Aleksiev<sup>1,2</sup>, Zornitsa Mihaylova<sup>1</sup>, Pavel Stanimirov<sup>1,2</sup>

1)Department of Oral and Maxillofacial surgery, Faculty of Dental medicine, Medical University Sofia, Bulgaria.

2)Maxillofacial surgery Clinic of Maxillofacial surgery, University Hospital "Aleksandrovska"

**- ADVANTAGES AND DISADVANTAGES OF PEDIATRIC CROWN PROSTHETIC TREATMENT**

Mariana Dimova-Gabrovska<sup>1</sup>, Desislava Dimitrova<sup>2</sup>, Bozhidar Yordanov<sup>1</sup>, Radosveta Andreeva<sup>3</sup>

1)Medical University-Sofia, Faculty of Dental Medicine, Department of Prosthetic Dentistry

2)Dental Clinic Edinstvo

3)Medical University-Varna, Faculty of Dental Medicine, Department of Pediatric Dentistry

**- ULTRASOUND DIAGNOSTIC OF TEMPOROMANDIBULAR JOINT IN PATIENTS WITH CRANIOMANDIBULAR DYSFUNCTIONS**

Mariana Dimova-Gabrovska<sup>1</sup>, Desislava Dimitrova<sup>2</sup>, Bozhidar Yordanov<sup>1</sup>, Nikolay Apostolov<sup>1</sup>

1)Medical University-Sofia, Faculty of Dental Medicine, Department of Prosthetic Dentistry

2)Dental Clinic Edinstvo

**PHOTOGRAMMETRY IN ORAL AND MAXILLOFACIAL SURGERY.**

Evgeniy Aleksiev, Dimitar Kosturkov

Department of Oral and Maxillofacial Surgery, Faculty of Dental Medicine, Medical University - Sofia, Bulgaria

Clinic of Maxillofacial Surgery, University Hospital Aleksandrovska, Sofia, Bulgaria

**DIFERENT TYPES OF CAD/CAM FABRICATED SINGLE CROWNS OVER IMPLANTS. CASE SERIES.**

Stefan Zlatev<sup>1</sup>, Vasilena Ivanova<sup>2</sup>, Ivan Chenchev<sup>2</sup>, Rangel Todorov<sup>3</sup>

1)Department of prosthetic dentistry, Faculty of dental medicine, Medical University – Plovdiv, Bulgaria

2)Department of Oral surgery, Faculty of Dental Medicine, Medical University – Plovdiv, Bulgaria.

3)Department of prosthetic dentistry, Faculty of dental medicine, Medical University – Sofia, Bulgaria

**13:00-14:00 - lunch break**

**14:00-16:30 - Seventh session:**

**ROUND TABLE**

Round Table on Organization, Challenges and Management of the Health Care System

**INTEGRATIVE MEDICINE:**

Hospital care, Rehabilitation, Kinesitherapy, Social Circles, Integrated care and Management,

**OPEN DISCUSSION:**

**Moderators:** Todorka Kostadinova, Gergana Nenova, Maria Gramatikova, Sonya Toncheva, Alexander Valkov, Krassimir Metodiev, Kapriel Kaprelyan, Orlin Savov, Sergei Popov, Stefan Toshev, Martin Mintchev, Igor Resnick, Jordan Gechev

**Part I. Hospital care, Rehabilitation and Kinesitherapy,**

**- KINESITHERAPY FOR PATIENTS WITH FAMILIAL AMYLOID POLYNEUROPATHY**

Mariela Filipova, Daniela Popova, Gergana Nenova, Stanislava Bogomilova, David Kanchev  
Kinesitherapy department, SWU "Neofit Rilski", Medical University of Varna

**- KINESITHERAPY FOR PATIENTS WITH ISCHEMIC STROKE TREATED WITH INTRAVENOUS THROMBOLYSIS**

Mariela Filipova, Daniela Popova, Gergana Nenova, Stanislava Bogomilova  
Kinesitherapy department, SWU "Neofit Rilski", Medical University of Varna

**- CHANGES IN MUSKULOSKELETAL SYSTEM AFTER IMMOBILIZATION**

Ana Nikolova,<sup>1</sup> Gergana Nenova,<sup>2</sup> Asen Baltov,<sup>3</sup>Yani Shivachev<sup>4</sup>,Ilyan Georgiev<sup>5</sup>  
PHYSIOPILATES LTD,Sofia,<sup>1</sup> Training sector of Kinesitherapy, Faculty of public health, Medical Unuversity-Varna<sup>2</sup>, University Hospital for active treatment and emergency medicine "Pirogov", Orthopedic and Traumatology Department<sup>3</sup>, , Training sector of Kinesitherapy, Faculty of public health, Medical Unuversity-Varna<sup>4</sup>, Aspetar Hospital,Doha-Qatar<sup>5</sup>

**- IMMOBILIZATION AND CHANGES IN TISSUES**

Ana Nikolova<sup>1</sup>, Gergana Nenova, Asen Baltov, Ilyan Georgiev, Yani Shivachev

1)PHYSIOPILATES LTD,Sofia,

2)Training sector of Kinesitherapy, Faculty of public health, Medical Unuversity-Varna,

3) National Institute "Pirogov",

4)Orthopedic and Traumatology Department, Aspetar Hospital,Doha-Qatar,

5)Training sector of Kinesitherapy, Faculty of public health, Medical Unuversity-Varna

**- SLEEP DISORDERS AND FATIGUE IN EMERGENCY HEALTHCARE WORKERS IN BULGARIA**

Marina N. Samuneva - Zhelyabova, Karolina D. Lyubomirova, Todor G. Kundurjiev  
Department of Occupational Medicine, Faculty of Public Health, Medical University – Sofia

**- DEEP OSCILLATIONS<sup>R</sup> - REDUCING EDEMA AND IMPROVING KINESIOLOGY IN THE EARLY STAGES AFTER KNEE JOINT ARTHROPLASTY**

Evgeniya Vladeva, Mariyana Mihaylova, Liliya Panayotova

Department of Physiotherapy, Rehabilitation, Thalassotherapy and Occupational Diseases, The Faculty of public health, Medical University-Varna

**- METHODOLOGICAL APPROACHES FOR EVALUATION OF THE PHYSICIAN'S ACTIVITY IN THE PRACTICE OF GENERAL MEDICINE (issue 1)**

Adolf Alakidi<sup>1</sup>, Vanina Mihaylova<sup>2,4</sup>, Igljka Kazandjieva<sup>3</sup>, Mariana Liochkova<sup>4</sup>

<sup>1</sup>Department of Hygiene, Ecomedicine and Nutrition, Faculty of Medicine, Medical University of Sofia, Bulgaria

<sup>2</sup>Department of Physiotherapy, Faculty of Public Health, Medical University of Sofia, Bulgaria

<sup>3</sup>Director of the Complex for social and Health Services "Saint Petka", Plovdiv, Bulgaria

<sup>4</sup>Department of Healthcare Management, Faculty of Public Health, Medical University of Plovdiv, Bulgaria

**- METHODOLOGICAL APPROACHES FOR EVALUATION OF THE PHYSICIAN'S ACTIVITY IN THE PRACTICE OF GENERAL MEDICINE (issue 2)**

Adolf Alakidi<sup>1</sup>, Mariana Liochkova<sup>2</sup>, Vanina Mihaylova<sup>2,3</sup>, Igljka Kazandjieva<sup>4</sup>

<sup>1</sup>Department of Hygiene, Ecomedicine and Nutrition, Faculty of Medicine, Medical University of Sofia, Bulgaria

<sup>2</sup>Department of Healthcare Management, Faculty of Public Health, Medical University of Plovdiv, Bulgaria

<sup>3</sup>Department of Physiotherapy, Faculty of Public Health, Medical University of Sofia, Bulgaria

<sup>4</sup>Director of the Complex for social and Health Services "Saint Petka", Plovdiv, Bulgaria

**- APPLICATION OF MUSCLE INHIBITING TECHNIQUES IN CHILD CEREBRAL PALSY**

Mariya Gramatikova

Department of Kinesitherapy, Faculty of Public Health, Healthcare and Sports, South-West University "Neofit Rilski", Blagoevgrad, Bulgaria



**- APPROBATING METHODOLOGY FOR REDUCTION OF BODY FAT WITH CRYOLIPOLYSIS AND CAVITATION**

Mariya Gramatikova, Stamenka Mitova, Iliya Kanelov<sup>2</sup>

Department of Kinesitherapy, Faculty of Public Health, Healthcare and Sports, South-West University "Neofit Rilski", <sup>2</sup>Department Theory and methodology of physical education, Faculty of Pedagogy, South-West University "Neofit Rilski", Blagoevgrad, Bulgaria

**- EFFECT OF HYDROTHERAPY ON CHRONIC PAIN IN THE LUMBAR REGION**

Mariya Gramatikova, Stamenka Mitova, Nasko Valchev

Department of Kinesitherapy, Faculty of Public Health, Healthcare and Sports, South-West University "Neofit Rilski", Blagoevgrad, Bulgaria

**- SEAS METHODOLOGY IN ADOLESCENT IDIOPATHIC SCOLIOSIS**

Stamenka Mitova

Department of Kinesitherapy, Faculty of Public Health, Healthcare and Sports, South-West University "Neofit Rilski", Blagoevgrad, Bulgaria

**- RESEARCH OF THE POSSIBILITIES OF LASER ACUPUNCTURE IN MUSCULOSKELETAL DYSFUNCTIONS IN THE AREA OF THE SPINE**

Stamenka Mitova, Mariya Gramatikova, Borislav Chongov, Margarita Avramova

Department of Kinesitherapy, Faculty of Public Health, Healthcare and Sports, South-West University "Neofit Rilski", Blagoevgrad, Bulgaria

**- APPROBATION OF PHYSIOTHERAPEUTIC METHOD IN LUMBOSARRAL PAIN SYNDROME**

Stamenka Mitova<sup>1</sup>, Mariya Gramatikova<sup>1</sup>, Stoiyan Vezenkov<sup>2</sup>, Gergana Nenova<sup>3</sup>, Stanislava Bogomilova<sup>3</sup>

<sup>1</sup>Department of Kinesitherapy, Faculty of Public Health, Healthcare and Sports, South-West University "Neofit Rilski", Blagoevgrad, Bulgaria

<sup>2</sup>Department of Anatomy and Physiology, Faculty of Public Health, Healthcare and Sports, South-West University "Neofit Rilski", Blagoevgrad, Bulgaria

<sup>3</sup>Department of Kinesitherapy, Faculty of Public Health, Medical University – Varna

**- CONTACT SENSITIZATION TO METALS AMONG DENTAL TECHNICIAN STUDENTS IN RELATION TO THE DURATION OF EDUCATIONAL EXPOSURE**

Maya Lyapina<sup>1</sup>, Todor Kundurjiev<sup>2</sup>, Karolina Lyubomirova<sup>2</sup>, Maya Vizeva<sup>1</sup>, Atanas Stoimenov<sup>1</sup>, Zaharina Savova<sup>1</sup>

<sup>1</sup> Medical College "Iordanka Filaretova", Medical University, Sofia, Bulgaria,

<sup>2</sup> Department of Occupational Medicine, Faculty of Public Health, Medical University, Sofia, Bulgaria,

**- PREVENTION TOOLS IN THE AREA OF THE KNEE COMPLEX - TREATMENT AND PROPHYLAXIS**

Yani Shivachev, Stanislava Bogomilova

Training sector "Physical therapy", Department of Physiotherapy, rehabilitation, thalassotherapy, occupational diseases - Medical University of Varna

**- TOWARDS ACTIVATION OF THE EMPATHIC RESOURCES DURING TERMINAL CARE – AN ART AND/OR A NECESSITY?**

Vanina Mihaylova<sup>1,2</sup>, Mariana Liochkova<sup>2</sup> Iliya Bivolarski<sup>3</sup>, Miglena Tarnovska<sup>2</sup>, Dimitar Shopov<sup>5</sup>, Adolf Alakidi<sup>6</sup>

<sup>1</sup>Department of Physiotherapy, Faculty of Public Health, Medical University Sofia, Bulgaria

<sup>2</sup>Department of Healthcare Management, Faculty of Public Health, Medical University Plovdiv, Bulgaria

<sup>3</sup>Department of General and Clinical Pathology and Forensic Medicine, Medicine Faculty, Medical University, Plovdiv, Bulgaria

<sup>5</sup>Department of Social Medicine and Public Health, Faculty of Public Health, Medical University, Plovdiv, Bulgaria

<sup>6</sup>Department of Hygiene, Ecomedicine and Nutrition, Faculty of Medicine, Medical University of Sofia, Bulgaria

**- TOWARDS ACTIVATION OF THE EMPATHIC RESOURCES DURING TERMINAL CARE – AN ART AND/OR A NECESSITY?**

Vanina Mihaylova<sup>1,2</sup>, Mariana Liochkova<sup>2</sup> Iliya Bivolarski<sup>3</sup>, Miglena Tarnovska<sup>2</sup>, Dimitar Shopov<sup>5</sup>, Adolf Alakidi<sup>6</sup>

<sup>1</sup>Department of Physiotherapy, Faculty of Public Health, Medical University Sofia, Bulgaria

<sup>2</sup>Department of Healthcare Management, Faculty of Public Health, Medical University Plovdiv, Bulgaria

<sup>3</sup>Department of General and Clinical Pathology and Forensic Medicine, Medicine Faculty, Medical University, Plovdiv, Bulgaria

<sup>5</sup>Department of Social Medicine and Public Health, Faculty of Public Health, Medical University, Plovdiv, Bulgaria

<sup>6</sup>Department of Hygiene, Ecomedicine and Nutrition, Faculty of Medicine, Medical University of Sofia, Bulgaria

**- IMMOBILIZATION AND CHANGES IN MUSCULOSKELETAL SYSTEM**

Ana Nikolova, Gergana Nenova, Asen Baltov, Yani Shivachev, Ilyan Georgiev

Physiopilates Ltd, Sofia; Training sector of Kinesitherapy, Faculty of public health, Medical University – Varna; National Institute “Pirogov “; Training sector of Kinesitherapy, Faculty of public health, Medical University – Varna; Aspetar Hospital, Doha, Qatar

**- EXAMINATION OF MORBIDITY WITH TEMPORARY DISABILITY AND INSTANTANEOUS DISEASE IN ASSOCIATION WITH THE CONDITIONS OF WORKING ENVIRONMENT AND WORKING PROCESS FOR RETROSPECTIVE PERIODS AT THE DIAGNOSTIC - CONSULTATION CENTERS IN VARNA.**

Lidiya Hristova,

Department of Occupational Medicine, Faculty of Public Health, Medical University- Sofia

**- MODERN APPROACH AND MANAGE OF VERTIGO THERAPY AND TINITUS**

Mario Milkov, Alexander Donchev

Medical University, Varna

**- HOW TECHNOLOGY HELPS TO DIAGNOSIS IN AUDIOVESTIBULAR DISORDERS.**

Mario Milkov, Alexander Donchev, J. Kostadinov

Medical University, Varna

**Part II.: Social Circles, Integrated care and Management**

**- THE EUROPEAN POLICY FALSIFIED MEDICINES: NEW REGULATIONS FOR THE SUPPLY CHAIN**

Alexander Valkov, Krasimira Valcheva

Department Public Administration, Faculty Management and Administration, University of National and World Economy

**- MIGRATION OF MEDICAL STAFF: INDIVIDUAL BENEFITS AND NATIONAL DEFICITS**

Evgenia Penkova, Zlatina Ivanova,

Department of Public Administration, Faculty of Management and Administration, University of National and World Economy, Sofia, Bulgaria

**- STUDY ON THE ASSOCIATION BETWEEN CERTAIN DEMOGRAPHIC INDEXES AND THE NUMBER OF CLINICAL TRIALS IN BULGARIA AND EU**

Lylia Bogdanova,

Medical University, Fac. Pharmacy, Sofia

**- CIVIL SOCIETY ACTORS IN HEALTHCARE: ROLE AND POTENTIAL IN BULGARIA**

Denitsa Gorchilova

Department Public Administration, Faculty Management and Administration, University of National and World Economy, Sofia, Bulgaria

**- OBSTETRIC CENTRE FOR FAMILY COUNSELLING-AN OPPORTUNITY FOR AUTONOMOUS MIDWIFERY PRACTICE AND INTEGRATED MIDWIFERY CARE**

Teodora Evtimova, Sonya Toncheva, Todorka Kostadinova

Medical University “Prof. Dr. Paraskev Stoyanov”-Varna, Shumen Affiliate

**- MODELLING OF ALTERNATIVE SERVICES FOR CHILDREN WITH SPECIAL NEEDS**

Tamara Tsvetkova, Teodora Evtimova

Medical University Varna, Shumen Affiliate, Department of Health Care

**- THE MODEL OF CONTINUITY OF CARE-A PREREQUISITE FOR AUTONOMOUS MIDWIFERY CARE**

Teodora Evtimova, Tamara Tsvetkova

Medical University Varna, Shumen Affiliate

**- MOBILE BLOOD DONATION SESSIONS TO REDUCE THE DEFICITS IN BLOOD DONORS IN SHUMEN DISTRICT**

Milena Todorova,

Medical University Varna, Shumen Affiliate

**- CONSEQUENCES OF OCCUPATIONAL STRESS FOR HEALTHCARE PROFESSIONALS WORKING AT PSYCHIATRIC CLINICS**

Radostina Zhecheva, Sonya Toncheva

Shumen Affiliate, Medical University Varna

**- CONCEPTUAL MODEL AND ALGORITHM FOR INTRODUCING INNOVATIVE PHARMACEUTICAL PRODUCTS ON THE MARKET IN BULGARIA**

Silviya Angelova, Yulian Kostadinov, Zlatina Ivanova, Marina Jordanova

Medical University, Varna,

University of National and World Economy, Sofia, Bulgaria

**- OPPORTUNITIES FOR POSITIONING OF BULGARIA ON THE INTERNATIONAL MARKETS AS A FOUR SEASON DESTINATION FOR SPA WELLNESS AND HEALTH TOURISM,**

Siika Katzarova, Todorka Kostadinova

Medical University, Varna,

Bulgarian Union of balneology and SPA Tourism

**- DIDACTIC APPROACHES TO PRECLINICAL E-TESTING FOR MEDICAL STUDENTS**

Ivan Merdzhanov, Iliana Doykova

Department of Foreign language teaching, communications and sport, Medical University of Varna



## **- HOW GAMING HAVE BECOME A POSITIVE LEARNING METHOD IN THE FIELD OF HEALTH IN MODERN TIMES**

Marina Jordanova, Todorka Kostadinova, Maria Doganova  
Medical University of Varna,  
Varna Free University

*The Round-Table is open for all participants of the 29-th Assembly, and they all are kindly invited to take an active part in the discussions with priority importance for the health-care system, national and international.*

16:30-16:45 - coffee break

**10 May 2019/friday/**

### **14:00-16:00 - POSTER SESSIONS: MEDICINE, VARIA:**

Chair: Gabriela Tzankova, Dora Peychinska, Aneta Dokova, Neli Ermenlieva

#### **MP -01\_ CONTACT SENSITIZATION TO METHACRYLIC MONOMERS AMONG DENTAL TECHNICIAN STUDENTS IN RELATION TO DURATION OF EDUCATIONAL EXPOSURE**

Maya Lyapina<sup>1</sup>, Todor Kundurjiev<sup>2</sup>, Karolina Lyubomirova<sup>2</sup>, Maya Vizeva<sup>1</sup>, Atanas Stoimenov<sup>1</sup>, Zaharina Savova<sup>1</sup>

1) *Medical College "Iordanka Filaretova", Medical University, Sofia, Bulgaria,*

2) *Department of Occupational Medicine, Faculty of Public Health, Medical University, Sofia, Bulgaria,*

#### **MP -02\_ KINESITHERAPEUTIC GUIDELINES IN THE OPERATIVE TREATMENT OF IMPINGEMENT SYNDROME**

Maria Vakrilova Becheva

Head Department of Nursing, Faculty of Public Health, Medical University – Plovdiv.

#### **MP -03\_ INCIDENCE RATE OF CHILDREN ATTENDING CRECHES IN PLEVEN MUNICIPALITY: CAUSES AND TAKING REDUCTION MEASURES**

Gergana Markova<sup>1</sup> Gergana Petrova<sup>2</sup>

1) *Department of Surgical nursing care, Faculty of Health Care, Medical University – Pleven, Bulgaria.*

2) *Department of Nursing, Faculty of Public Health, Medical University of Plovdiv, Bulgaria.*

#### **MP -04\_ THE ROLE OF THE CLINICAL PHARMACIST IN THE PREVENTION OF POTENTIAL DRUG-DRUG INTERACTIONS IN PATIENTS WITH CHRONIC HEART FAILURE**

Kaloyan Georgiev<sup>1</sup>, Nadezhda Hvarchanova<sup>2</sup>, Marieta Georgieva<sup>2</sup>, Branimir Kanazirev<sup>3</sup>

1) *Department of Pharmaceutical technologies, Faculty of Pharmacy, Medical University of Varna, Bulgaria*

2) *Department of Pharmacology, toxicology and pharmacotherapy, Faculty of Pharmacy, Medical University of Varna, Bulgaria*

3) *Department of Internal Medicine, UMHAT St. Marina, Faculty of Medicine, Medical University, Varna, Bulgaria*

#### **MP -05\_ DIANOSTIC CHALLENGE OF YOUNG WOMAN WITH COGNITIVE AND MOVEMENT DISORDERS**

Stela Atanassova, Sevjan Osman, Kalina Drenska, Ivan Dimitrov, Ara Kaprelyan

*Department of Neurology and Neuroscience, Sliven Affiliate, Medical University of Varna*

#### **MP -06\_ CORTICOSTEROIDS - (UN)PREDICTABLE INDUCERS OF PSYCHIATRIC DISORDERS**

Tatyana Telbizova, Mariana Arnaoudova

*Department of psychiatry and medical psychology, Medical University-Varna, MHAT "St. Marina"-Varna*

#### **MP -07\_ INTRAVENOUS LIPID EMULSIONS - FROM FOOD TO ANTIDOTE**

Gabriela Kehayova, Snezha Zlateva, Petko Marinov

*Department of Pharmacology, Toxicology and Pharmacotherapy. Faculty of Pharmacy, Medical University, Varna, Bulgaria.*

#### **MP -08\_ OCULAR CICATRICIAL PEMPHIGOID – CASE REPORT**

Snezhana Murgova, Chavdar Balabanov, Georgi Balchev

*MU Pleven*

#### **MP -09\_ CATARACT SURGERY IN PATIENT WITH WEGENER'S DISEASE**

Snezhana Murgova, Georgi Balchev

*MU Pleven*

#### **MP -10\_ BETTER HEALING PROCESS BY USING PROTOCOLS IN ICUs IN PLOVDIV, BULGARIA**

Valentina Lalova, Gergana Petrova, Elena Merdzhanova

*Medical University - Plovdiv, Faculty of Public Health, Department of Nursing*

**MP -11\_ THE OBSTETRIC AND MEDICO-LEGAL CHALLENGES OF RECENT, SIGNIFICANT DEMOGRAPHIC INCREASES IN A SOUTHERN MEDITERRANEAN ISLAND**

Buttigieg George Gregory, Micallef Stafrace Kirill, Mihaylova Anna, Uchikova Ekaterina  
*Obstetrics and Gynaecology, University of Malta.*  
*ISports Medicine, Mater Dei Hospital, Malta, Faculty of Medicine and Surgery, University of Malta.*  
*Medical College, Medical University of Plovdiv, Bulgaria*  
*Department of Obstetrics and Gynaecology, Faculty of Medicine, Medical University of Plovdiv, Bulgaria*  
*University Hospital "St. George", Plovdiv Bulgaria*

**MP -12\_ INTRAVENOUS LIPID EMULSIONS - FROM FOOD TO ANTIDOTE**

Gabriela Kehayova, Snezha Zlateva, Petko Marinov  
*Department of Pharmacology, Toxicology and Pharmacotherapy. Faculty of Pharmacy, Medical University, Varna, Bulgaria.*

**MP -13\_ IMPACT OF CARRIAGE OF 4G/5G PAI-1 AND GLYCOPROTEIN IIB/IIIA POLYMORPHISM ON DEVELOPMENT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE IN PATIENT WITH PSORIASIS VULGARIS. CLINICAL CASE**

Borislav Dimitrov<sup>1</sup>, Kalina Ilieva<sup>2</sup>, Dimitar Gospodinov<sup>3</sup>, Regina Komsa-Penkova<sup>1</sup>  
*1 Department of Chemistry/Biochemistry University of Medicine, Pleven, Bulgaria*  
*2 Department of Anatomy, Histology, Cytology and Biology University of Medicine, Pleven, Bulgaria*  
*3 Department of Dermatology, Venerology and Allergology University of Medicine, Pleven, Bulgaria*

**MP -14\_ FACTORS AFFECTING QUALITY OF LIFE IN PATIENTS WITH CORONARY HEART DISEASE AND THE ROLE OF NURSES FOR PREVENTION**

Marieta Todorova  
*Department of Nursing, Faculty of Public Health, Medical University – Plovdiv, Bulgaria*

**MP -15\_ CALRETININ IN THE DIAGNOSIS OF HIRSHPRUNG DISEASE AND INTESTINAL NEURONAL DYSPLASIA**

Maria Magdalena Ignatova, Emiliq Kisiova, Dimitur Chonov, Dimitur Simov, Koni Ivanova, Maya Gulubova  
*Department of Surgery, Medical Faculty, Trakia University, Stara Zagora*  
*Departement of General and clinical pathology, Medical Faculty, Trakia University, Stara Zagora*

**MP -16\_ PENILE CARCINOMA. ANALYSIS OF THE MORBIDITY IN THE NORTHEASTERN REGION OF THE REPUBLIC OF BULGARIA.**

Milena Nankova  
*Department of nursing care, Faculty of Public Health, Medical University "Prof. Dr. Paraskev Stoyanov"*

**MP -17\_ BIOACUSTIC DIAGNOSTIC METOD OF AUDITORY PROCESSING DISORDER IN CHILDREN**

Neli Fialkovska, Nikoleta Ivanova, Tsonka Dimitrova  
*Department of Biology, Faculty of Pharmacy, Paraskev Stoyanov Medical University of Varna, Varna, Bulgaria*

**MP -18\_ DERMATOGLYPHIC ANALYSIS OF HYPOTHENAR TRAITS IN TWINS**

Galina Yaneva, Tsonka Dimitrova, Ivan Maslarski, Dobri Ivanov  
*Department of Biology, Faculty of Pharmacy, Paraskev Stoyanov Medical University of Varna, Varna, Bulgaria*

**MP -19\_ FINGER PAPILLARY TRAITS IN BULGARIAN FEMALE BREAST CANCER PATIENTS**

Galina Yaneva, Nikoleta Ivanova, Dobri Ivanov  
*Department of Biology, Faculty of Pharmacy, Paraskev Stoyanov Medical University of Varna, Varna, Bulgaria*

**MP -20\_ EMG ACTIVITY IN RECTUS FEMORIS AFTER BONTA INJECTION**

Gergana Gecheva-Fermezdzheva, Radko Radev  
*MC "Pavel banya" Ltd*

**MP -21\_ ANTIBACTERIAL AND ANTIFUNGAL ACTIVITIES OF ANTI-PERSPIRANT COSMETIC PRODUCTS**

Neli Ermenlieva, Emilia Georgieva, Minko Milev  
*Medical University Varna*

**MP -22\_ MICROBIOME AND ANTIBACTERIAL THERAPY**

Neli Ermenlieva, Gabriela Tsankova, Tatina Todorova  
*Medical University Varna*

**MP -23\_ DIGITAL EPIDEMIOLOGY – INTERNET BASED DATA AS POWERFUL TOOL FOR TRACKING OF INFECTIOUS DISEASE DYNAMICS.**

Tatina Todorova, Neli Ermenlieva, Gabriela Tsankova  
*Medical University Varna*

**MP -24\_ INFLUENCE OF AN INHIBITOR OF JNK ON THE SECRETION OF THE INFLAMMASOME-DEPENDENT PROINFLAMMATORY CYTOKINES.**

Boncho Grigorov, Spaska Stanilova, Magdalena Platikanova, Zlatka Dobreva  
*Department of Molecular Biology, Immunology and Medical Genetics, Medical Faculty, Trakia University, Bulgaria*

**MP -25\_ MORPHOLOGICAL CHANGES IN THE PROPRIOCEPTORS OF HUMAN ANTERIOR CRUCIATE LIGAMENT DURING DEGENERATIVE OSTEOARTHRITIS**

Iskren Gerasimov, Stefan Trifonov, Desislava Marinova, Aleksandar Todorov, Iliyana Vacheva, Savelina Popovska, Asparuh Asparuhov, Ivan Ivanov  
*Department of Anatomy, Cytology, Histology and Biology*  
*Department of Orthopaedics and Trauma*  
*Department of Pathology*

**MP -26\_ CLINICAL AND PATHOLOGICAL FEATURES OF COLONIC ILEUS FROM OBSTRUCTIVE COLORECTAL CANCER.ACTUAL CHARACTERISTICS.**

Konstantin Kostov  
*Department of General, Visceral and Emergency Surgery, UMHATEM "N. I. Pirogov" – Sofia, Bulgaria*

**MP -27\_ THE RADIOACTIVITY AND MICROBIOLOGICAL EVALUATION OF MUSSELS (*MYTILUS GALLOPROVINCIALIS* LAM.) AND ALGAE USED AS A BIO-INDICATOR SPECIES IN THE ECOLOGICAL MONITORING OF THE BULGARIAN BLACK SEA WATERS**

Sevqinar Ibryamova, N. Arhangelova, T. Koynova, D. Dimitrov, Zh. Dimitrova, R. Ivanov, K. Kalchev, N. Chipev, N. Natchev, Ts. Ignatova-Ivanova  
*Faculty of Natural Sciences, University of Shumen*

**MP -28\_ ERGOSTEROLS – PERSPECTIVES IN THE PREVENTION AND TREATMENT OF CHRONIC DISEASES**

Gergana Sandeva<sup>1</sup>, Rositsa Sandeva<sup>2</sup>, Vanya Slavova<sup>3</sup>, Veselina Petrova-Tacheva<sup>4</sup>  
*1Department of Hygiene, Epidemiology and Infectious Diseases, Medical Faculty, Trakia University*  
*2Department of Physiology, Pathophysiology and Pharmacology, Medical Faculty, Trakia University*  
*3Department of Neurology, Psychiatry and Disaster Medicine, Medical Faculty, Trakia University*  
*4Department of Molecular Biology, Immunology and Medical Genetics, Medical Faculty, Trakia University*

**MP -29\_ CRYPTOSPORIDIOSIS IN CHILDREN – CLINICAL FORMS AND CLINICAL CASES**

Kalina Stoyanova  
*Department of Infectious Diseases, Parasitology and Dermatovenerology, Faculty of Medicine, Medical University "Prof. Dr. Paraskev Stoyanov" – Varna, Varna, Bulgaria*

**MP -30\_ A COMPARISON OF 3D-CRT AND VMAT IN THE TREATMENT PLANNING OF PATIENTS WITH ENDOMETRIAL AND CERVICAL CANCER**

Seniha Salim  
*Konstantin Preslavsky University of Shumen, Faculty of Natural Sciences, Department of Physics and astronomy*

**MP -31\_ EQUIVALENCE TESTING OF TWO IRBESARTAN/HYDROCHLOROTHIAZIDE CONTAINING DRUG PRODUCTS (TABLETS) USING PHARMACOKINETIC ENDPOINTS**

Andrey Petrov; Emil Gatchev  
*Medical University of Sofia, Medical Faculty, Department of Clinical pharmacology and therapeutics, UMHAT "Tsaritsa Yoanna – ISUL"*

**MP -32\_ IL-18 PROMOTER POLYMORPHISM AND IL-18 SERUM LEVELS IN ASSOCIATION WITH RELAPSING-REMITTING MULTIPLE SCLEROSIS**

Boncho Grigorov, Anastasiya Trenova, Georgi Slavov, Antonia Grigorova, Spaska Stanilova  
*Department of Molecular Biology, Immunology and Medical Genetics, Medical Faculty, Trakia University, Bulgaria*

**MP -33\_ CONFLICT MANAGEMENT STYLE IN THE WORK OF MEDICAL SPECIALISTS IN HOSPITALS**

Ekaterina L. Raykova, Maria A. Semerdjieva, Biyanka L. Tornyoova  
*Department of Healthcare Management, Faculty of Public Health, Medical University, Plovdiv*

**MP -34\_ NUTRITION AS A BONES HEALTH FACTOR WITH SIGNIFICANT INFLUENCE**

Rositsa Chamova<sup>1</sup>, Teodora Dimitrova<sup>1</sup>, Eva Hristova<sup>2</sup>  
*1. Medical University – Varna, Faculty of Public Health, Department of Hygiene and Epidemiology*  
*2. Medical University – Varna, Faculty of Medicine, Department of General Medicine and Clinical Laboratory*

**MP -35\_ ASSESSMENT OF THE VITAMIN D STATUS AND THE CALCIUM-PHOSPHORUS METABOLISM IN POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS.**

Tatyana Simeonova, Krasimira Stefanova, Ivelina Himcheva, Pavlina Laleva, Boryana Ruseva, Aneliya Dimitrova  
*Department of Physiology, Medical University-Pleven; Diagnostic Consulting Center II -Pleven; Department of Physiology, Medical University-Pleven; Department of Pharmacy, Medical University-Pleven; Department of Physiology, Medical University-Pleven; Department of Pathological Physiology, Medical University-Pleven*

**MP -36\_ LUCAS – MACHINE THAT SAVES LIVES**

Asen Asenov, Ivelin Koev  
*Hadassah Hospital, Jerusalem, Israel*

**MP -37\_ DOCTORS' ATTITUDE TO MEDICAL ABORTION IN BULGARIA**

<sup>1</sup>Dimitar Marinov <sup>1</sup>Petko Salchev <sup>1,2</sup>Evgeni Grigorov  
*1National Center of Public Health and Analyses, Sofia*

*2Faculty of Pharmacy, Medical University-Varna*

**MP -38\_ DERMATOGLYPHIC METHODOLOGY FOR ESTABLISHING ZYGOSITY IN THE TWINS.**

Ivan Ilkov Maslarski

*Department of Anatomy, histology, pathology and forensic medicine – Medical Faculty at the University of Sofia, Bulgaria.*

**MP -39\_ THE INFLUENCE OF THE OSSIFICATION CENTERS INTO THE APPEARANCE OF WORMIAN BONES AND SUTURES**

Ivan Ilkov Maslarski<sup>1</sup>, Galina Yaneva<sup>2</sup>

*1Department of Anatomy, histology, pathology and forensic medicine – Medical Faculty at the University of Sofia, Bulgaria.*

*2 Department of Biology, Faculty of Pharmacy, Paraskev Stoyanov Medical University of Varna, Varna, Bulgaria*

**MP -40\_ MOBILE BLOOD DONATION SESSIONS TO REDUCE THE DEFICITS IN BLOOD DONORS IN SHUMEN DISTRICT**

Milena Todorova

*Department of Health Care, Medical University “Prof. Dr. Paraskev Stoyanov”-Varna*

**MP -41\_ CONSEQUENCES OF OCCUPATIONAL STRESS FOR HEALTHCARE PROFESSIONALS WORKING AT PSYCHIATRIC CLINICS**

Radostina Zhecheva

*Department of Health Care, Shumen Affiliate, Medical University “Prof. Dr. Paraskev Stoyanov”-Varna*

**MP -42\_ FOLLOW-UP OF CARDIOVASCULAR STATUS AND LEVELS OF NT-PROBNP IN PATIENT WITH TYPE 2 DIABETES AND HEART FAILURE WITH PRESERVED EJECTION FRACTION IN TREATMENT WITH EMPAGLIFLOSIN.**

Kanazirev B, Dinkov A, Hristozov K, Zlateva V, Bocheva Y.

*The Prophetics of Internal Diseases, Medicine, Medical University-Varna*

**MP -44\_ PSYCHOTROPIC MEDICATIONS IN NORTH-EASTERN BULGARIA: A CONTEMPORARY ANALYTICAL TOXICOLOGY PROFILE**

Georgi Bonchev, Ivelina Stefanova, Snezha Zlateva, Petko Marinov

*Naval Hospital – Varna, Military Medical Academy, Bulgaria*

**MP -45\_ APPLICATION OF INTRALIPID EMULSION IN TREATMENT OF ACUTE INTOXICATION CAUSED BY VALPROATE POLYPHARMACY OVERDOSAGE**

Snezha Zlateva, Petko Marinov, Georgi Bonchev, Ivelina Stefanova

*Naval Hospital – Varna, Military Medical Academy, Bulgaria*

**MP -46\_ COMPARATIVE IMMUNOHISTOCHEMICAL EXPRESSION OF ESTROGEN AND E-CADHERIN IN ENDOMETRIAL CARCINOMAS AND ENDOMETRIOSIS**

Denitsa Serteva, Elena Poryazova, Daniel Markov, Adolf Alakidi

*Department of General and Clinical pathology, Faculty of Medicine, Medical University-Plovdiv, Bulgaria*

*Department of Hygiene, Ecomedicine and Nutrition, Faculty of Medicine, Medical University of Sofia, Bulgaria*

**MP -47\_ VITAMIN D STATUS AND DIETARY HABITS OF CHILDREN WITH AIS IN VARNA**

Dimitar Marinov, Darina Hristova, Teodora Dimitrova

*MU Varna*

**MP -48\_ UNEVEN REVERSE REMODELING OF FUNCTION AND STRUCTURE IN TAVI PATIENTS 12 MONTHS POST IMPLANTATION**

Dobrin Kalchev

*MU-Varna, UMHAT St. Marina, Varna, First Clinic of Cardiology with ICU*

**MP -49\_ BIOLOGICAL EFFECTS OF VITAMIN K2**

Elena Marinova, Branimir Kanazirev, Mila Boyadjieva, L.Stoyanova

*Medical University of Varna, University hospital “St. Marina” Varna*

**MP -50\_ ASSESSMENT OF EATING ATTITUDES IN ADOLESCENT GIRLS FROM VARNA**

Elena Pencheva<sup>1</sup>, Darina Naydenova<sup>1</sup>, Teodora Dimitrova<sup>1</sup>

*1.Department of Hygiene and Epidemiology, Faculty of Public Health, Medical university of Varna*

*2.Department of Organization and Economics of Pharmacy, Faculty of Pharmacy, Medical university of Varna*

**MP -51\_ TRIAGE SIGNIFICANCE IN CBRN INCIDENTS**

Elena Valkanova, Rostislav Kostadinov

*Epidemiology and Disaster Medicine Department, Faculty of Public Health, Medical University of Plovdiv*

**MP -52\_ SUBENDOCARDIAL VIABILITY RATIO IN PATIENTS WITH LEFT VENTRICULAR HYPERTROPHY**

Vesela Georgieva, Anna Tolekova, Georgi Krustev

*Trakian University*

**MP -53\_ NON-INVASIVE ASSESSMENT OF MEAN AORTIC PRESSURE AND ITS RELATIONSHIP TO OTHER HAEMODYNAMIC PARAMETERS**

Georgi Krustev, Ivona Nedevska, Vesela Georgieva, Petq Hadzibodzeva

Trakian University

**MP -54\_ DYNAMICS OF TOXIC CEREBRAL SYNDROME AND ITS IMPACT ON EFFECTIVE COMMUNICATION WITH INTOXICATED PATIENTS**

Marieta Yovcheva, Snezha Zlateva

*Clinic of Intensive Treatment of Acute Intoxications and Toxicallergies,  
Military Medical Academy - Naval Hospital –Varna*

**MP -55\_ CHARACTERIZATION OF PATIENTS WITH DIFFERENT INTOXICATIONS IN REGARD TO POSSIBILITY FOR EFFECTIVE COMMUNICATION**

Marieta Yovcheva, Snezha Zlateva, Petko Marinov, Georgi Bonchev, Ekaterina Borisova

*Clinic of Intensive Treatment of Acute Intoxications and Toxicallergies,  
Laboratory of Toxicology Investigations*

*Psychiatry Consulting Office*

*Military Medical Academy - Naval Hospital -Varna*

**MP -56\_ MEDICAL INTELLIGENCE AND DISASTER RESILIENCE**

Mariya Georgieva, Rostislav Kostadinov

*Epidemiology and Disaster Medicine Department, Faculty of Public Health, Medical University of Plovdiv*

**MP -57\_ CLINICOPATHOLOGICAL CONFERENCES – A CORNERSTONE IN MEDICAL EDUCATION**

Iliya Bivolarski 1,2, Elena Poryazova 1,2, Marin Baltov 3, Vanina Mihaylova 4,5, Adolf Alakidi 6

*1-Department of General and Clinical Pathology, Faculty of Medicine, Medical University, Plovdiv; Bulgaria*

*2-Department of Clinical Pathology, UMHAT ‘Pulmed’, Plovdiv; Bulgaria*

*3-Department of Forensic Medicine and Deontology, Faculty of Medicine, Medical University, Plovdiv; Bulgaria*

*4-Department of Preventive Medicine, Faculty of Public Health Medical University, Sofia; Bulgaria*

*5-Department of Health Care Management, Faculty of Public Health, Medical University, Plovdiv; Bulgaria*

*6-Department of Hygiene, Ecomedicine and Nutrition, Faculty of Medicine, Medical University of Sofia, Bulgaria*

**MP -58\_ THE FORBIDDEN FRUIT – HEAVEN OR HELL FOR THE INTESTINES?(OBSTRUCTIVE ILEUS WITH PHYTOBEZOARS FROM PERSIMMON)**

Iliya Bivolarski 1,2, Dimitar Ermov 3, Nasko Vangelov 3, Georgi Karamfilov 3, Adolf Alakidi 4.

*1-Department of General and Clinical Pathology, Faculty of Medicine, Medical University of Plovdiv; Bulgaria*

*2-Department of Clinical Pathology, MHAT „Svilengrad“;Town of Svilengrad, Bulgaria*

*3-Surgical Department, MHAT „Svilengrad“;Town of Svilengrad, Bulgaria*

*4-Department of Hygiene, Ecomedicine and Nutrition, Faculty of Medicine, Medical University of Sofia, Bulgaria*

**MP -59\_ OBSTETRIC CENTRE FOR FAMILY COUNSELLING-AN OPPORTUNITY FOR AUTONOMOUS MIDWIFERY PRACTICE AND INTEGRATED MIDWIFERY CARE**

Teodora Evtimova, Sonya Toncheva, Todorka Kostadinova

*Department of Health Care, Medical University “Prof. Dr. Paraskev Stoyanov”-Varna*

**MP -60\_ THE MODEL OF CONTINUITY OF CARE-A PREREQUISITE FOR AUTONOMOUS MIDWIFERY CARE**

Teodora Evtimova, Tamara Tsvetkova

*Department of Health Care, Medical University “Prof. Dr. Paraskev Stoyanov”-Varna*

**MP -61\_ ANXIETY AND DEPRESSION CORRELATION WITH BIOMARKERS OF HEART FAILURE**

Zlateva V., Kanaziver B., Tonkova D., Nikolaeva S., Vetkova M.

*Medical University Varna, Department of propedeutics of internal diseases*

**MP -62\_ SERUM LEVELS OF ADENOSINE DEAMINASE IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE (IBD) ACTIVITY**

Mariana Yordanova, Daniela Ivanova Gerova, Antoniya Atanasova<sup>2</sup>

*1Department of general medicine and clinical laboratory, 2Department of Anatomy and Cell Biology, Faculty of Medicine*

**MP -63\_ EPIDEMIOLOGY OF ACUTE ALCOHOL INTOXICATIONS AMONG ADOLESCENTS (10-18 YEARS) FOR THE PERIOD 2015-2017 IN VARNA AND A PARENTAL BEHAVIOR STUDY**

Snezha Zlateva, Petko Marinov, Georgi Bonchev, Ivelina Stefanova, Ivaylo Vazharov

*Naval Hospital – Varna, Military Medical Academy, Bulgaria*

**MP -64\_ REAL PRACTICE: FALSE POSITIVE IMMUNOTEST RESULTS FOR SOME ILLICITE DRUGS**

Georgi Bonchev, Ivelina Stefanova, Snezha Zlateva, Petko Marinov, Ivaylo Vazharov

*Naval Hospital – Varna, Military Medical Academy, Bulgaria*

**MP -65\_ PROFESSIONAL STATUS OF MEN IN NURSING**

Tanya Paskaleva<sup>1</sup>, Biyanka Torniyova<sup>2</sup>, Dimitar Shopov<sup>3</sup>

*1.Department of Healthcare, Branch of Haskovo, Trakia University*

*2.Department of Healthcare Management, Faculty of Public Health, Medical University - Plovdiv*

*3.Department of Social Medicine and Public Health, Medical University - Plovdiv*

**MP -66\_ HOSPITALIZATIONS BECAUSE OF CARDIOVASCULAR DISEASES IN THE ELDERLY – PROBLEMS AND CHALLENGES**

Frederik Grigorov

*MC, Medical University-Pleven; Clinic of Cardiology, UMHAT-Pleven*

**MP -67\_ AGING, SOCIAL DEPRIVATION AND PROGNOSTIC FACTORS IN HOSPITALIZED PATIENTS BECAUSE OF DECOMPENSATED HEART FAILURE**

Frederik Grigorov

*MC, Medical University-Pleven; Clinic of Cardiology, UMHAT-Pleven*

**MP -68\_ THE DIFFERENT FACES OF MUGWORT ALLERGY - A CASE REPORT**

Tatyana Grigorova

*Medical Institute at the Ministry of the Interior*

**MP -69\_ SOURCES OF INFORMATION AND THEIR INFLUENCE ON PARENTAL ATTITUDES TOWARDS VACCINATION**

Stanislava Hadzhieva, Rouzha Pancheva, Natalia Usheva, Conko Paunov

*Faculty of Public Health, Hygiene and epidemiology department*

**MP -70\_ COMPUTER VISION SYNDROME: REVIEW AND METHODS FOR ASSESSMENT**

Panayot Nikolov

*Department of Hygiene and epidemiology, Faculty of Public Health,*

*Medical University Varna*

**MP -71-BENEFITS OF MARKET ENTRY OF GENERIC MEDICINAL PRODUCTS**

Jivko Kolev<sup>1</sup>, Evgeni Grigorov<sup>1</sup>, Galina Petrova<sup>1</sup>, Todorka Kostadinova<sup>2</sup>

*1Faculty of Pharmacy, Department of Organization and Economics of Pharmacy, Medical University "Prof. Dr. Paraskev Stoyanov" Varna*

*2Faculty of Public Health, Department of Economics and Health Care Management, Medical University "Prof. Dr. Paraskev Stoyanov" Varna*

**MP -72\_ CHALLENGES IN INTERACTION BETWEEN ADULTS WITH COMMUNICATION DISORDERS AND HEALTH CARE PROFESSIONALS**

Anna Andreeva, Ekaterina Mitova, Miglena Simonska, Radostina Kostova

*Department of Logopedics, Faculty of Public Health, Health Care and Sport, South-West University "Neofit Rilski"*

**MP -73 UNMET MEDICAL NEEDS IN HIGH-RISK CARDIOVASCULAR PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA**

Svetoslav Tsenov<sup>1</sup>, Evgeni Grigorov<sup>2</sup>, Tsvetelina Stefanova<sup>3</sup>

*1)National Center of Public Health and Analysis, Sofia, Bulgaria*

*2)Department of Organization and economics of pharmacy, Faculty of Pharmacy, Medical University-Varna, Bulgaria*

*3)Student, Faculty of Pharmacy, Medical University-Varna, Bulgaria*

**MP -74\_ NUTRITIONAL COMPOSITION, BIOACTIVE COMPOUNDS AND HEALTH-BENEFICIAL PROPERTIES OF BLACK SEA SHELLFISH**

Veselina Panayotova\*<sup>1</sup>, Albena Merdzhanova<sup>1</sup>, Diana Dobreva<sup>1</sup>, Kameliya Bratoeva<sup>2</sup>

*1Department of Chemistry, Faculty of Pharmacy, Medical University – Varna*

*2Department of Physiology and Pathophysiology, Faculty of Medicine, Medical University – Varna*

**MP -75\_ CHANGES IN HEPATIC FATTY ACID COMPOSITION IN EXPERIMENTAL NONALCOHOLIC FATTY LIVER AND S-ADENOSYL METHIONINE INTAKE**

Veselina Panayotova<sup>1</sup>, Emran Lyutfi<sup>2</sup>, Diyana Kyuchukova<sup>3</sup>, Albena Merdzhanova<sup>1</sup>, Kameliya Bratoeva<sup>3</sup>

*1Department of Chemistry, Faculty of Pharmacy, Medical University, Varna, Bulgaria*

*2Student, Faculty of Medicine, Medical University of Varna, Bulgaria*

*3Department of Physiology and Pathophysiology, Division of Pathophysiology, Faculty of Medicine, Medical University of Varna, Bulgaria*

**MP -76\_ LIPID PROFILE OF CHLORELLA VULGARIS POWDER FROM THE BULGARIAN MARKET**

Veselina Panayotova<sup>1</sup>, Albena Merdzhanova<sup>1</sup>, Diana A. Dobreva<sup>1</sup>, Dilyana Dimova<sup>1</sup>, Lubomir Makedonski<sup>1</sup>

*1Department of Chemistry, Faculty of Pharmacy, Medical University, Varna, Bulgaria*

*2Student, Faculty of Medicine, Medical University of Varna, Bulgaria*

*3Department of Physiology and Pathophysiology, Division of Pathophysiology, Faculty of Medicine, Medical University of Varna, Bulgaria*

**MP -77\_ ANTHROPOGENIC DISASTERS ON BULGARIAN TERRITORY: CHEMICAL ACCIDENTS ON LAND AND SEA**

Maria Panteleeva<sup>1</sup>, Igljka Marinova<sup>1</sup>, Rositsa Chamova<sup>2</sup>, Nikolina Radeva<sup>1</sup>, Hristianna Romanova<sup>1</sup>, M. Marinov<sup>3</sup>

*1Department of Disaster Medicine and Marine Medicine, Medical University Varna*

*2Department of Hygiene and Epidemiology, Medical University Varna*

*3Department of Physiology and Pathophysiology, Medical University "Prof. Dr. P. Stoyanov" - Varna*

**MP -78\_ BIOTERRORISM, BIOTHREAT, INFECTIOUS RISK MANAGEMENT**

Igljka Marinova<sup>1</sup>, Maria Panteleeva<sup>1</sup>, M. Marinov<sup>2</sup>, Nikolina Radeva<sup>1</sup>, Hristianna Romanova<sup>1</sup>

*1Department of Disaster Medicine and Marine Medicine, Medical University "Prof. Dr. P. Stoyanov" - Varna*

*2Department of Physiology and Pathophysiology, Medical University "Prof. Dr. P. Stoyanov" - Varna*

**MP -79\_ INCREASED NT-PROBNP AND ST2 BIOMARKERS 18 MONTHS POST PCI IN THE SETTING OF ACS**

Atanas Kostadinov, B. Kanazirev, M. Vetkova, S. Nikolaeva, D. Tonkova, V. Valkov, D. Kalchev, A. Angelov  
UMHAT St. Marina Varna, Medical University of Varna, Bulgaria

**MP -80\_ POSSIBLE EFFECT OF LIPID EXTRACTS OF SOME BLACK SEA MOLLUSCS ON MICROBIOLOGICAL CULTURES OF STAPHYLOCOCCUS AUREUS, ESCHERICHIA COLI AND CANDIDA ALBICANS.**

Gabriela Tsankova, Tatina Todorova, Neli Ermenlieva  
Medical University - Varna

**MP -81\_ THE EPIDEMIOLOGICAL ANALYSIS OF SCARLET FEVER IN VARNA REGION FOR 2008-2017**

Elyana P. Ivanova, Gabriela St. Tsankova, Tatina T. Todorova, Neli M. Ermenlieva  
Medical University - Varna

**MP -82\_ THE ROLE OF HEME OXYGENASE IN METABOLIC SYNDROME**

Dariya Chivchibashi, Ganka Bekyarova  
Medical University of Varna, Department of Physiology and Pathophysiology

**MP -83\_ AUGMENTATIVE AND ALTERNATIVE COMMUNICATION USE: PROFESSIONALS' PERCEPTIONS OF BARRIERS**

Ekaterina Mitova, Anna Andreeva, Elka Goranova, Lilia Yancheva-Velinova  
Department of Logopedics, Faculty of Public Health, Health Care and Sport, South-West University "Neofit Rilski"

**MP -84\_ ANALYSIS OF ADOLESCENTS' (11 – 14 YEARS OLD) SOMATOTYPE IN PLOVDIV, BULGARIA**

Elena Merdzhanova, Gergana Petrova, Valentina Lalova  
Medical University of Plovdiv, Faculty of Public Health, Department of Nursing

**MP -85\_ MODELLING OF ALTERNATIVE SERVICES FOR CHILDREN WITH SPECIAL NEEDS**

Tamara Tsvetkova, Teodora Evtimova  
Medical University "prof. Dr. Paraskev Stoyanov" Varna, Shumen Affiliate, Department of Health Care

**MP -86\_ ASSESSMENT OF EATING ATTITUDES IN ADOLESCENT GIRLS FROM VARNA**

Elena Pencheva<sup>1</sup>, Darina Naydenova<sup>1</sup>, Teodora Dimitrova<sup>1</sup>  
1. Department of Hygiene and Epidemiology, Faculty of Public Health, Medical university of Varna  
2. Department of Organization and Economics of Pharmacy, Faculty of Pharmacy, Medical university of Varna

**MP -87\_ STUDY OF CIVIL PROTECTION READINESS IN CASE OF DISASTERS**

Vanya Slavova<sup>1</sup>, Veselin Ivanov<sup>1</sup>, Polina Taleva<sup>2</sup>, Veselina Petrova-Tacheva<sup>3</sup>  
<sup>1</sup> Department "Neurology, Psychiatry and Disaster medicine", Faculty of Medicine, Trakia University, Stara Zagora, Bulgaria  
<sup>2</sup> Department "Surgery, Neurosurgery, Urology and Anesthesiology", Faculty of Medicine, Trakia University, Stara Zagora, Bulgaria  
<sup>3</sup> Department "Molecular Biology, Immunology and Medical Genetics", Faculty of Medicine, Trakia University, Stara Zagora, Bulgaria

**MP -88\_ ROLE OF FFR AND DOBUTAMINE STRESS TEST ASSESSED WITH SPECLE TRACKING IN TREATMENT OF BORDERLINE STENOSIS IN STABLE ANGINA**

Darko Simonov, Anna Tolekova,  
Department of Physiology, Pathophysiology and Pharmacology, Faculty of Medicine, Trakia University- Stara Zagora, Bulgaria

**MP -89\_ RESEARCH ON THE RELATIONSHIP BETWEEN SOME DEMOGRAPHIC INDICATORS AND NUMBER OF CLINICAL TRIALS IN BULGARIA AND EEA**

Liliya Bogdanova, Evgeni Grigorov  
National Center of public health and analysis

**MP -90\_ PREVENTING VIOLENCE AMONG ADOLESCENTS IN SCHOOL**

Gergana Petrova, Elena Merdzhanova, Valentina Lalova  
Department of Nursing, Faculty of Public Health, Medical University of Plovdiv, Bulgaria.

**MP -91\_ CONSEQUENCES OF OCCUPATIONAL STRESS FOR HEALTHCARE PROFESSIONALS WORKING AT PSYCHIATRIC CLINICS**

Radostina Zhecheva, Sonya Toncheva,  
Department of Health Care, Shumen Affiliate, Medical University "Prof. Dr. Paraskev Stoyanov"-Varna

**11 May 2019/saturday/**

**14:00-16:00 - POSTER SESSIONS: DENTAL MEDICINE:**

Chair: Polina Velcheva, Ivan Gerdzhirov



**DP-1\_MODIFIED CORONALLY ADVANCED FLAP APPROACH FOR THE TREATMENT OF MULTIPLE RECESSION DEFECTS IN CASES WITH INTERDENTAL TISSUE LOSS.**

Kamen Kotsilkov

*Department of Periodontology, Faculty of Dental Medicine, Medical University - Sofia*

**DP-2\_MODIFIED SINGLE ROLL FLAP APPROACH FOR SIMULTANEOUS IMPLANT PLACEMENT AND RECESSION COVERAGE**

Kamen Kotsilkov

*Department of Periodontology, Faculty of Dental Medicine, Medical University - Sofia*

**DP-3\_PROSTHETIC TREATMENT WITH SILICONE BUCCAL FLANGE OBTURATOR**

Ivan Gerdzhikov

*Department of Prosthetic dentistry, Faculty of Dental Medicine, Medical University of Sofia*

**DP-4\_COMBINED PROSTHETIC TREATMENT WITH OBTURATOR AND FACIAL PROSTHESIS**

Ivan Gerdzhikov

*Department of Prosthetic dentistry, Faculty of Dental Medicine, Medical University of Sofia*

**DP-5\_PROSTHETIC TREATMENT IN EDENTULOUS PATIENT WITH HARD PALATE RESECTION**

Ivan Gerdzhikov

*Department of Prosthetic dentistry, Faculty of Dental Medicine, Medical University of Sofia*

**DP-6\_COMPARATIVE EVALUATION OF THE IMPACT OF OPTICAL MAGNIFICATION ON THE PREPARATION FOR VENEERS.**

Aleksandra Pecheva<sup>1</sup>, Lyubomir Vangelov<sup>1</sup>, SnezhanaTsanova<sup>1</sup>, Ralitsa Raycheva<sup>2</sup>

*1Department of operative dentistry and endodontics, Faculty of dental medicine, Medical University of Plovdiv; 2Department of Social medicine and public health, Faculty of public health, Medical university of Plovdiv*

**DP-7\_SEX HORMONES IN THE SALIVA AND PERIODONTAL HEALTH OF CHILDREN IN PUBERTY**

Nadezhda Mitova, Maya Rashkova

*Department of Pediatric Dentistry, Faculty of Dental Medicine, Medical University-Sofia*

**DP-8\_STUDYING SUBGINGIVAL MICROORGANISMS IN CHILDREN WITH GINGIVITIS IN PUBERTY**

Nadezhda Mitova, Maya Rashkova, Christina Popova

*Department of Pediatric Dentistry, Faculty of Dental Medicine, Medical University-Sofia*

*Department of Periodontology, Faculty of Dental Medicine, Medical University-Sofia*

**DP-9\_GINGIVAL RECESSIONS WITH HYPERSENSITIVITY - RECENT TRENDS IN MANAGEMENT**

Denislav Emilov, Elitsa Deliverska, Natali Tomeva, Stoyan Kazakov, Maria Edreva

*Department of periodontology, Department of Oral and maxillofacial surgery, FDM, MU-Sofia*

**DP-10\_TRAUMATIC BONE CYST OF THE MANDIBLE: CASE REPORT**

Elitsa Deliverska, Latchezar Stefanov, Natali Tomeva, Dimitar Yovchev, Maria Edreva, Stoyan Kazakov

*Department of Oral and maxillofacial surgery,Department of Maxillofacial Radiology and Oral Imaging Diagnostics, FDM, MU-Sofia*

**DP-11\_HEMANGIOLYMPHANGIOMA OF THE MANDIBLE: CASE REPORT**

Elitsa Deliverska, Latchezar Stefanov, Natali Tomeva, Dimitar Yovchev, Plamen Hadjiiski, Stoyan Kazakov

*Department of Oral and maxillofacial surgery,Department of Maxillofacial Radiology and Oral Imaging Diagnostics, FDM, MU- Sofia*

**DP-12\_PRIMARY EXTRANODAL NON- HODGKIN'S LYMPHOMA INVOLVING RIGHT MAXILLA**

Elitsa Deliverska, Latchezar Stefanov, Evgenii Hadjiev, G. Tsvetkova, E. Bekirova, Natali Tomeva, Stoyan Kazakov, Maria Edreva

*Department of Oral and maxillofacial surgery, FDM, MU- Sofia, Department of hematology, Alexandrovska hospital- Sofia*

**DP-13\_MONITORING OF VITAL SIGNS AND HEMODYNAMIC CHANGES IN PATIENTS UNDERGOING TOOTH EXTRACTION AND THIRD MOLAR SURGERY**

Natali Tomeva, Elitsa Deliverska, Maria Edreva

*Department of Dental, Oral and Maxillofacial surgery, FDM, MU- Sofia*

**DP-14\_PROLIFERATIVE PERIOSTITIS IN PATIENT WITH ANTIRESORPTIVE INDUCED OSTEONECROSIS OF THE JAWS – A CASE REPORT**

Stoyan Kazakov, Elitsa Deliverska, Natali Tomeva, Latchezar Stefanov, Maria Edreva,

*Department of Oral and Maxillofacial surgery, FDM- MU-Sofia*

**DP-15\_3D IMAGING IN ENDODONTICS – ADVANTAGES AND LIMITATIONS.A REVIEW.**

Slavena Svetlozarova, Tsvetelina Borisova-Papancheva, Georgi Papanchev

*Faculty of Dental Medicine, Medical University of Varna, Bulgaria*

**DP-16\_INTRACAVITY TOOTH BLEACHING IN THE AESTHETIC ZONE OF MAXILLA USING CARBAMIDE PEROXIDE GEL**

Irena Georgieva

*Department of Periodontology and Dental Implantology, Faculty of Dental Medicine, Medical University of Varna*

**DP-17\_ CORONALLY ADVANCED FLAP TECHNIQUE FOR ROOT COVERAGE IN THE AESTHETIC ZONE OF MAXILLA**

Irena Georgieva

*Department of Periodontology and Dental Implantology, Faculty of Dental Medicine, Medical University of Varna*

**DP-18\_ EFFECTIVENESS OF PRIMARY INTRAOSSEOUS ANESTHESIA IN ENDODONTIC TREATMENT OF MANDIBULAR MOLARS WITH IRREVERSIBLE PULPITIS**

Emiliya Simeonova, Snezhana Canova, Plamen Zagorchev

*Department of Operative Dentistry and Endodontics, Faculty of Dental Medicine, Medical University – Plovdiv*

*Department of Medical Physics and Biophysics, Faculty of Pharmacy, Medical University – Plovdiv*

**DP-19\_ INVESTIGATION OF CAVITY PREPARATION FOR INDIRECT TOOTH-COLOURED RESTORATIONS**

Janet Kirilova<sup>1</sup> Viktoria Petrova<sup>1</sup> Desislava Yovkova<sup>2</sup>

*1)Department of Conservative Dentistry, Faculty of Dental Medicine, Medical University, Sofia, Bulgaria*

*2)Department of Prosthetic Dentistry, Faculty of Dental Medicine, Medical University, Sofia, Bulgaria*

**DP-20\_ VITAMIN D, OSTEOCALCIN AND C-TERMINAL TELOPEPTIDE OF MATURE TYPE 1 COLLAGEN (CTX) IN PATIENTS WITH AND WITHOUT MEDICATION RELATED OSTEONECROSIS OF THE JAW**

Hristian Kanazirev, Tsvetan Tonchev, Nikolay Tsonev, Eleonora Dimitrova, Daniela Gerova

*Clinic of Maxillofacial Surgery\*, Clinic of Oncology\*\*, Clinical Laboratory\*\*\* at Varna University Hospital St. Marina, Bulgaria*

**DP-21\_ HEALING OF CHRONIC APICAL PERIODONTITIS USING NOVEL BIOCERAMIC SEALER BIOROOT RCS**

Kostadin Zhekov, Vesela Stefanova

*Department of Operative Dentistry and Endodontics, Faculty of Dental Medicine, Medical University - Plovdiv*

**DP-23\_ ROLE OF PARENTS' HEALTH LITERACY FOR THE DEVELOPMENT OF DENTAL CARIES IN CHILDREN**

Nikolay Stanev<sup>1</sup>, Liliya Doichinova<sup>2</sup>, Radosveta Andreeva-Borisova<sup>1</sup>

*1)Department of Pediatric Dental Medicine, Faculty of Dental Medicine, Medical University-Varna*

*2)Department of Pediatric Dental Medicine, Faculty of Dental Medicine, Medical University-Sofia*

**DP-24\_ COMPARISON OF INDIRECT TOOTH-COLOURED RESTORATIONS- CLINICAL INVESTIGATION**

Viktoria Petrova, Janet Kirilova

*Department of Conservative Dentistry, Faculty of Dental Medicine, Medical University, Sofia, Bulgaria*

**DP-25\_ DENTISTS' AWARENESS OF WHITE SPOT LESIONS DURING TREATMENT WITH FIXED ORTHODONTIC APPLIANCES**

Elena Dimova<sup>1</sup>, Liliya Doichinova<sup>2</sup>, Radosveta Andreeva-Borisova<sup>1</sup>

*1)Department Of Pediatric Dental Medicine, Faculty Of Dental Medicine, Medical University-Varna*

*2)Department Of Pediatric Dental Medicine, Faculty Of Dental Medicine, Medical University-Sofia*

**DP-26\_ CARBOHYDRATES INTAKE AND PREVALENCE OF DENTAL CARIES IN CHILDREN AGED 6 TO 12 YEARS: A PRELIMINARY STUDY**

Liliya Doichinova<sup>1</sup>, Maria Nikolova<sup>2</sup>, Dimitar Hristov<sup>2</sup>

*1)Department of Pediatric Dental Medicine, Faculty of Dental Medicine, Medical University-Sofia*

*2)Department of Hygiene, Medical Ecology and Nutrition, Medical Faculty Medical University-Sofia*

**DP-27\_ ASSESSMENT OF RISK FACTORS FOR DEVELOPMENT OF CARIES IN ADULTS: A PRELIMINARY STUDY**

Liliya Doichinova<sup>1</sup>, Dimitar Kirov<sup>2</sup>, Snezhanka Topalova-Pirinska<sup>3</sup>, Janet Kirilova<sup>3</sup>

*1)Department of Pediatric Dental Medicine*

*2)Department of Prosthetic Dental Medicine*

*3)Department of Conservative Dental Medicine, Faculty of Dental Medicine, Medical University-Sofia*

**DP-28\_ A SURVEY DONE AMONG DENTAL STUDENTS ON THEIR KNOWLEDGE ON ENDODONTIC MICROBIOLOGY**

M. Maznev<sup>1</sup>, R. Radev<sup>1</sup>, D. Karayasheva<sup>2</sup>, E. Radeva<sup>2</sup>

*1 Students, Faculty of Dental Medicine, MU – Sofia, Bulgaria*

*2 Department of Conservative Dentistry, Faculty of Dental Medicine, MU – Sofia, Bulgaria*

**DP-29\_ SEM STUDY OF MICROMORPHOLOGY CHANGES OF INTRACANAL DENTINE AFTER TREATMENT WITH DIODE LASER**

Elka Radeva, Mihail Tarasov, Evgeniya Popova, Raya Grozdanova, Dimitar Kosturkov, Tsonko Uzunov

*Department of Conservative Dentistry, Faculty of Dental Medicine, Medical University – Sofia, Bulgaria*

**DP-30\_ COMPARATIVE STUDY OF THE THERMAL EFFECT OF TWO KINDS OF OPTIC FIBRES OF HIGH INTENSIVE DIODE LASER**

Evgeniya Popova, Raya Grozdanova, Elka Radeva, Dimitar Kosturkov, Tsonko Uzunov

*Department of Conservative Dentistry, Faculty of Dental Medicine, Medical University – Sofia, Bulgaria*

**DP-31\_RISK FACTORS IN PATIENTS WITH BISPHOSPHONATE - ASSOCIATED OSTEONECROSIS OF THE JAWS**

Meri Hristamyan 1, Petya Pechalova 2, Ralista Raycheva 3, Mariya Georgieva 1, Veselka Hristamyan 4, Yordanka Stoilova 1

1. *Department of Epidemiology and DM, Faculty of Public Health, Medical University - Plovdiv*
2. *Department of Oral Surgery, Faculty of Dental Medicine, Medical University - Plovdiv*
3. *Department of Social Medicine, Faculty of Public Health, Medical University - Plovdiv*
4. *Clinic of maxillo-facial surgery, UMHAT "St. George" – Plovdiv*

**DP-32\_TRIBOLOGICAL TESTS OF RESIN BASED COMPOSITE MATERIALS: A DESIGN STUDY**

Valeriya Aleksandrova<sup>1</sup>, Neshka Manchorova<sup>2</sup>, Svetlin Aleksandrov<sup>3</sup>

1. *assistant Professor, Department of Operative Dentistry and Endodontics, Faculty of Dental Medicine, Medical University - Plovdiv*
2. *Associate Professor, Department of Operative Dentistry and Endodontics, Faculty of Dental Medicine, Medical University - Plovdiv*
3. *Assistant Professor, Department of Prosthetic Dentistry, Faculty of Dental Medicine, Medical University - Plovdiv*

**DP-33\_MORPHOLOGICAL SCALE FOR EVALUATION OF ORAL BIOFILM ACCUMULATION ON RESIN COMPOSITE SURFACES.**

Kostadin Georgiev, Ivan Filipov,

*Department of Operative Dentistry and Endodontics, Faculty of Dental Medicine, Medical University of Plovdiv*

**DP-34\_ORAL MUCOUS MEMBRANE PEMPHIGOID – DIAGNOSTIC AND THERAPEUTIC CHALLENGE**

Miglena Balcheva, George Papanchev

*Faculty of Dental Medicine, MU-Varna*

**DP-35\_TOOTH EROSION AND WEDGE-SHAPED DEFECTS- WHY IT'S IMPORTANT TO DIFFERENTIATE THEM?**

Mayya Koleva, Vesela Hristova

*Faculty of Dental Medicine, Medical University-Varna*

**DP-36\_BIOLOGICAL TREATMENT OF DENTAL PULP AFTER BIO-MECHANICAL PREPARATION WITH BRIX 3000**

Janet Kirilova, Dimitar Kosturkov, Snezhanka Topalova-Pirinska

*Department of Conservative Dentistry, Faculty of Dental Medicine, Medical university Sofia, Bulgaria*

**DP-37\_SHADE GUIDES USED IN DENTAL PRACTICE ( LITERATURE REVIEW)**

Todorov R.\*, B. Iordanov\*, G. Todorov\*\*, St. Zlatev\*\*, N. Milanov\*

*Faculty of Dental medicine- Sofia\*, Faculty of Dental medicine- Plovdiv\*\**

**DP-38\_INDICATORS ASSOCIATED WITH THE STATE OF GINGIVAL TISSUE IN CHILDREN WITH**

Established Diagnosis of Nephrotic Syndrome

Sirma Angelova

*Department of Pediatric Dentistry, Faculty of Dental Medicine, Medical University-Varna*

**DP-39\_BILAYER TECHNIQUE FOR ALVEOLAR RIDGE AUGMENTATION IN PREPROSTHETIC IMPLANT SURGERY: INDICATIONS AND PROBLEMS**

Bozhidar Yordanov, Elitsa Deliverska, Stoyan Kazakov, Maria Edreva,

*Department of Oral and Maxillofacial surgery, Department of Prosthetic dentistry FDM- MU-Sofia*

**DP-40\_ELASTIC MATERIALS FOR RELINING OF REMOVABLE DENTURES - TYPES, COMPOSITION AND TECHNOLOGY.**

Mariana Yankova, Bozhidar Yordanov, Nikolai Apostolov, Desislava Dimitrova

*Department of Prosthetic Dental medicine, Medical University – Sofia*

**DP-41\_TREATMENT OF DENTIN HYPERSENSITIVITY WITH DIODE IR LASER. CASE REPORT**

Genoveva Balcheva, Miglena Balcheva

*Medical University of Varna. Faculty of Dental Medicine*

**DP-42\_DEVELOPMENT OF LIGHT-CURING UNITS IN DENTAL MEDICINE – REVIEW**

Georgi Georgiev, Vladimir Panov, Tsanka Dikova

*Department of "Conservative dentistry and oral pathology", Faculty of Dental Medicine, Medical University of Varna*

*Department of Dental Material Science and Propaedeutics of Prosthetic Dental Medicine, Faculty of Dental Medicine, Medical University of Varna*

**DP -43\_MODIFIED APPROACH TO ENSURE A UNIFORM LAYER OF ELASTIC MATERIAL FOR RELINING COMPLETE DENTURES WITH SELF CURING SILICONES**

Mariana Yankova, Bozhidar Yordanov, Mariana Dimova-Gabrovska, Desislava Dimitrova

*Department of Prosthetic Dental Medicine, Faculty of Dental Medicine, Medical University – Sofia*

**DP -44\_FLARE-UPS AFTER ENDODONTIC TREATMENT**

Denitsa Zaneva-Hristova, Tsvetelina Borisova-Papancheva, Slavena Svetlozarova

*Faculty of Dental Medicine Varna*

**DP -45\_ RADIOGRAPHIC EVALUATION OF MODERATE CURVED CANAL PREPARATION USING PROTAPER GOLD (in vitro study)**

Milen Maznev<sup>1</sup>, Rumen Radev<sup>1</sup>, Elka Radeva<sup>2</sup>, Tsonko Uzunov<sup>2</sup>

<sup>1</sup>Students, Faculty of Dental Medicine, MU-Sofia, Bulgaria

<sup>2</sup>Department of Conservative Dentistry, Faculty of Dental Medicine, MU-Sofia, Bulgaria

**DP -46\_ DISORDERS OF ERUPTION-INFRAOCCLUDED PRIMARY MOLARS AND ITS ORTHODONTIC IMPLICATION**

I.ATANASOVA,H.ARNAUTSKA,ZH.DAVIDOVA,Z.VALCHEVA,G.IVANOVA

*Department of Orthodontics, Faculty of Dental medicine, Medical university of Varna, Bulgaria*

**11 May 2019/saturday/**

**17:00-18:00 - Annual Meeting of the Alumni Club at the Medical University of Varna (Official ceremony)**

Chair: Krassimir Metodiev, Mario Milkov, Darina Naydenova, Svetlana Grancharova

**20:00-22:00 - Wine party, Annual Awards of IMAB:**

**Closing of the 29-th Annual Assembly of IMAB**

*Important: Official certificates of attendance shall be given only to those colleagues who had accordingly completed their registration before or during the Assembly.*