

1. SESSION OF DOCTORAL CLINICAL MEDICINE

Coordinator: Tomasz Pryzwan: tomasz_pryzwan@interia.pl

1. Overdiagnosis of drug hypersensitivity reactions to beta-lactams.
2. Postmortem computed tomography in the diagnosis of heart air embolism
3. Carotid and cerebral arteries variations - are they associated with aneurysm?
4. Impact of other than Clostridium difficile toxins in antibiotic-associated diarrhoe
5. Rocuronium concentrations in the blood after administration of sugammadex at a dose of 1 mg/kg in pediatric patients
6. Report on the case of myelodysplastic syndrome after 65 years old
7. Physiotherapeutic treatment in Glenard's disease (visceroptosis) - case report

2. Session of Doctoral Science Medicine

Coordinator: Bartłomiej Skowronek: bartlomiej.skowronek92@gmail.com

1. Nutritional behavior in hemodialyzed patients.
2. Functional status and the degree of acceptance of illness among geriatric patients staying in the rehabilitation center.
3. Physical activity of primary school students accounting their family's lifestyle
4. Free radical interactions of the ointments contain prednisolone, hydrocortisone and ascorbic acid - EPR and UV-Vis examination
5. Risk of falls in patients with mild neurocognitive disorders.
6. Physical activity and exercises during physiological pregnancy – recommendations versus women's knowledge about the subject.
7. Lomefloxacin activated by UVA radiation induces melanogenesis and oxidative stress in normal human melanocytes
8. Expression of IL-18, IL-18BP, IL-18R and IFN- γ genes in active tuberculosis and latent infection among the Polish population
9. Isolation, culture conditions and characterisation of cells isolated from abdominal aortic aneurysms
10. Cytotoxicity of ketoprofen induced by UV radiation - in vitro studies using melanoma cells
11. Endocrine and behavioral alterations in stressed early adolescence and adult wistar rats
12. Healthy lifestyle in the opinion of primary care clinic patients

3. Session of Doctoral General Medicine

Coordinator: Adrianna Doniec: a.doniec77@gmail.com

1. Prevalence of knowledge about breastfeeding and diversity of lactational problems among mothers – questionnaire survey
2. Prognosis of patients admitted to the intensive care unit
3. Assessment of nutritional status of hemodialysis patients
4. Exposure assessment of the population living in the influence area of Grupa Azoty Zakłady Azotowe Kędzierzyn S.A. on heavy metals
5. Sleep disorders and depressive states in pregnant women
6. "What the doctor will not tell you" - analysis of Polish anti-vaccine websites
7. Breastfeeding mother's diet - facts or myths?
8. The occurrence of headaches in patients with thyroid diseases and temporomandibular joint disorders
9. Psychosomatics of thyroid diseases and the occurrence of symptoms of bruxism in patients with temporomandibular joint disorders
10. Publication and reporting of clinical trial results: cross sectional analysis across Polish university medical centres
11. Social value in Phase 1 clinical trials in pediatric oncology. A systematic review
12. The dependence of well-being on exposure to stress in the group of young people
13. Do plush vegetables and fruits help us to change our eating behaviors?
14. Fat talk – cultural norm or predictor of eating and body image disorders?
15. Evaluation of factors affecting the decision to relinquish breast reconstruction in post-mastectomy women affiliated with Amazon Clubs
16. The acceptance of breast cancer in women undergoing BCT procedures – a preliminary study
17. How to achieve success in the health care market - strategic challenges of medical entities and patient selection
18. The effect of Amazon Club membership on the quality of life of patients undergoing surgical treatment of breast cancer
19. Assessment of quality of life in patients treated for breast cancer

4. Session of Anaesthesiology, Intensive Care and Emergency Medicine

Coordinator: Aleksandra Baca: aleksa.baca@gmail.com

1. Microcirculation abnormalities in patients with septic shock
2. Prevalence and risk factors of intraoperative hypotension in abdominal surgery
3. Osmotic effects of mannitol and hypertonic saline in patients with brain oedema based on optic nerve sheath diameter measurements
4. Usefulness of optic nerve sheaths diameter in patients with acute brain injury, septic shock and hepatic encephalopathy- preliminary report

5. Comparative assessment of the impact of classical and simulation methods of training on the decision-making strategies of the 5th year students of medicine in the case of hypotension after opioid drugs used in the treatment of acute post-traumatic pain in medical simulation
6. Simplified diagnostic algorithm for classification of anaemia based on complete blood count in gastrointestinal surgery
7. Analysis of rapid response team interventions in a university tertiary care medical centre in Poland
8. Lotnicze Pogotowie Ratunkowe as an important element of the national rescue system. State of knowledge of the medical students
9. Ultrasound examination of diaphragmatic function in Intensive Care Unit-preliminary report
10. Influence of pre-emptive analgesia using peribulbar block or intravenous paracetamol on the presence of postoperative pain perception and rate of nausea and vomiting in patients undergoing vitreoretinal surgery under Surgical Pleth Index –guided general anaesthesia-preliminary report
11. Morphological examination of peripheral blood: diagnostic validity of platelet parameters in identifying high-risk patients in neurosurgery
12. Does more always mean better? Intraoperative fluid therapy in patients undergoing gastrointestinal surgery
13. Investigation on detrimental role of intraoperative hypotension – a pilot study

5. Session of Basic Science and Experimental Medicine

Coordinator: Krzysztof Sacha: krzysztof.sacha1@gmail.com

1. Antibiotics resistance mechanisms in E. coli cultured from fecal samples of patients with Clostridium difficile –associated diarrhoea (CDAD)
2. Selective serotonin reuptake inhibitor – escitalopram – prevents the desynchronization of the function of retinal interneurons in the model of ischemia in a rat – a pilot study
3. The influence of a long-term exposure to lead on the selected parameters associated with oxidative stress in skeletal muscle of rats
4. Evaluation of water-electrolyte balance in the course of breast cancer treatment
5. How protective is crocin against oxidative stress?
6. Evaluation of the urinary fibronectin excretion in patients with type 2 diabetes mellitus treated with metformin
7. REST is master regulator of glioma-associated epilepsy
8. Multi-drug resistant bacterial colonization and infections in geriatric patients
9. SCD1 desaturase inhibitor (MSF-438) inhibits the transformation of monocytes into macrophages associated with exposure to derivatives of saturated fatty acids contained in eye drops

10. Preliminary analysis of genetic relatedness of Clostridium difficile ribotype 027 strains isolated from patients hospitalized in a Department of Internal Medicine
11. I.V Eye - a prototype of i.v. injections aid device
12. The percentage of CD3+CD28+ lymphocytes is decreased after examination session of medical students
13. Characteristics of prooxidant processes and immunological state of patients with dilatative cardiomyopathy

6. Session of Biotechnology and Genetics

Coordinator: Wojciech Rogóż: wrogoz@onet.eu

1. In vitro anticancer activity of polymeric micelles loaded with 17-AAG and docetaxel
2. The effect of PI3KCA gene silencing on the viability and proliferative potential of non-small cell lung cancer A549
2. Evaluation of the effectiveness of adalimumab therapy based on the gene expression profile of BNIP3L and BCL2L1
3. Harpagoside - a potential inducer of apoptosis and regulator of breast cancer HCC38 cell line viability
4. Everything is poison and nothing is poison
5. Single nucleotide polymorphism Taq-I in the vitamin D receptor gene (VDR) in patients with diagnosed breast and colorectal cancers: preliminary study
6. Analysis of the influence of synthetic xanthone derivatives on selected malignant melanoma cell lines
7. The involvement of humanin in development of Parkinson`s disease
8. Changes in the expression profile of selected genes associated with the JAK/STAT signaling pathway in psoriatic patients treated with ustekinumab and in the control group

7. Session of Cardiology

Coordinator: Iga Ślusarczyk: slusarczyk.iga@gmail.com

1. The use of new technologies in medicine. Telemonitoring of cardiac patients - retrospective study
2. The MGI is not a risk factor of premature death in patients with TAPVC
3. An investigation of coronary artery trifurcation and coronary artery calcium score measured in multislice computed tomography coronary angiography
4. Does knowledge of symptoms and risk factors of cardiovascular diseases differs between mental and physical workers?
5. Is the choice of the first upper limb for blood pressure measurement important?

6. Anaemia in patients with heart failure with reduced ejection fraction treated with cardiac resynchronization therapy – clinical and prognostic significance
7. Echocardiography and 6-minute walk test markers of disease progression in systemic lupus erythematosus
8. The Apnea- Hypopnea Index and heart rate in patients after acute myocardial infarction at the beginning of rehabilitation in KOS program
9. Relations of body mass, central hemodynamics, arterial stiffness and left ventricle geometry in frail elderly patients
10. The Apnea–Hypopnea Index in patients with acute ischemic stroke
11. Valsartan reduces arterial stiffness along with level of soluble ST2 independently of blood pressure changes – results of single center, randomized study
12. The usefulness of the most often used electrocardiographic parameters differentiating wide QRS complex tachycardia in patients with ventricular tachycardia in 3 channel Holter recordings
13. When ECG lies: NSTEMI in ECG and total occlusion of infarct-related artery – how can we identify these patients?
14. Effect of valsartan on level of soluble ST2 and left ventricle remodeling in patients with dual chamber pacemaker
15. Frailty syndrome is associated with increased respiratory and renal dysfunction
16. One disease and two diagnosis? takotsubo cardiomyopathy vs myocarditis
17. Can echocardiographic parameters predict mortality in patients with severe interstitial pulmonary fibrosis?
18. Inadequately low left ventricular mass – a hallmark of a different mode of cardiac adaptation to pressure overload in aortic stenosis?
19. Human Heart Fatty Binding Protein (sFABP) is an indicator of increased pulmonary resistance in patients with advanced heart failure
20. Arterial stiffening and primary myocardial dysfunction independently contribute to impaired left ventricular midwall performance in degenerative aortic stenosis with concomitant type 2 diabetes
21. Utility of post-mortem interrogation of high-energy cardiac implantable electronic devices in clinical practice
22. Visfatin is associated with an occurrence of cardiac allograft vasculopathy in heart transplant recipients
23. Systemic lupus erythematosus - its impact on selected cardiovascular risk factors and correlation of these factors with duration of illness

8. Session of Clinical Oncology

Coordinator: Krzysztof Sacha: krzysztof.sacha1@gmail.com

1. Adenosquamous carcinoma - a rare prostatic tumor

2. Histopathological characteristics of gastrointestinal stromal tumors coexisting with other neoplasms
3. Non-medical needs of cancer patients in Silesian region
4. Surgical treatment of oesophageal cancer – a retrospective
5. Influence of different clinical and histopathological factors on prognosis in patients with gastrointestinal stromal tumors

9. Session of Cosmetology

Coordinator: Wojciech Rogóż: wrogoz@onet.eu

1. Influence of microneedle mesotherapy on biomechanical parameters of aging skin
2. A quantitative and qualitative analysis of the acne skin care
3. Knowledge of the society about development of skin hyperpigmentations and ways how to treat them
4. Knowledge about effectiveness of Asian cosmetics in reference to racial skin differences
5. Fotoprotection

10. Session of Dermatology, Allergology and Infectious Diseases

Coordinator: Aleksandra Baca: aleksa.baca@gmail.com

1. The assessment of the potential risk of exposure of pets for the tick-borne infection with *Borrelia burgdorferi sensu lato* and *Anaplasma phagocytophilum* on the selected areas of the Silesian voivodeship
2. The impact of diabetes mellitus type 2 on effectiveness of therapy of cyclosporine A in psoriatic patients
3. Risk factors determination in patients with community-acquired bacterial meningitis
4. Clinical evaluation of pruritus in patients with erythroderma
5. Psoriasis through the eyes of the patient
6. Toxinotypes of *Clostridium perfringens* isolated from fecal samples of hospitalized patients with antibiotic associated diarrhea
7. The importance of causative (trigger) factors in the development of chronic urticaria
8. Analysis of resistance to tetracycline in *Streptococcus group B* strains isolated from patients over 65 – own research
9. PrEP and PEP – do we know something about it?
10. "Fine feathers make fine birds" – the dermatologists' image among polish non-medical students – a nationwide survey
11. The incidence of atopic diseases in patients with chronic spontaneous urticaria and symptomatic dermographism - Polish data

12. The profile of Fas and FasL expression in patients with psoriatic arthritis during the adalimumab therapy
13. The way from acne to healthy skin-is dermatologist really able to help?
14. Knowledge of medical students and post-graduates about anaphylactic shock and procedures
15. The role of SPT and sIgE tests in diagnostic process of food allergy
16. Propranolol therapy for infantile hemangiomas
17. The impact of atopy on eye diseases.

11. Session of Dietetics and Nutrition

Coordinator: Wojciech Rogóż: wrogoz@onet.eu

1. The relation between absence of breakfast and BMI.
2. Biological active derivatives of polycyclic aromatic hydrocarbons (PAHs) in grilled marshmallows
3. Research of knowledge about eating disorders among students of dietetics
4. Nutrition scheme of nurses according to the work shift and chronotype (morning - evening)
5. Activity of Bioactive Components of Propolis Against Human Breast Cancer Cells
6. Nutritional status and biochemical parameters assessment in women with Polycystic Ovary Syndrome (PCOS)
7. Nutritional status and biochemical parameters assessment in women with Congenital Adrenal Hyperplasia (CAH).
8. Influence of different variants of adiponectin gene in rs6773957 on inappropriate body mass in group of diabetics
9. Dietary care for patients in the Pneumology department-nutrition charts for patients and recommendations
10. Determination of residues of penicillin and tetracycline in selected molds of various fat content
11. The antioxidant properties and concentration of vitamin C in the different drugs and diet supplements
12. Stress and binge eating disorder among patients of diet counseling centre
13. Analysis of dietary patterns among young adults with metabolic syndrome

12. Session of General Surgery

Coordinator: Marianna Łoskot: marianna.loskot@gmail.com

1. Analysis of the thromboembolic incidents in a group of 12-18-year-olds
2. High heels - torture tool or medical godsend? The assessment of the impact of high heels on the skeletal-muscle pump
3. Iliac vein compression in the patients with Leriche Syndrome – the new link between the atherosclerosis and venous thromboembolism
4. CircAid's effectiveness in patient-oriented compression therapy
5. Does BMI influence on olfaction of morbidly obese patients?
6. NPWT in pediatric patients in years 2014-2018.
7. Clinical comparison of surgical techniques of ventral hernia repair: a retrospective analysis of short-term postoperative outcome.
8. Assessment of knowledge among airlines passengers about risk of venous thrombosis during the flights
9. Impact of body mass index on complications after pancreaticoduodenectomy.
10. Economy class syndrome—are we aware or do we ignore this?
11. Surgical treatment of pancreatic cystic tumors.
12. Spider veins at the ankle level – cosmetic defect or significant clinical problem
13. How to see what is not visible? - an implementation of the transillumination and near infrared light in the diagnostics and cosmetic treatment of the chronic venous disease
14. Surgical treatment of oesophageal cancer – a retrospective analysis of short-term results
15. Laparoscopic cholecystectomy - easy and safe procedure?
16. Surgical treatment of Crohn's disease
17. Laparoscopic treatment of Dunbar syndrome
18. Adrenal catecholamine-bomb - risk factors for hemodynamic instability during pheochromocytoma resection
19. Progressive compression stockings as a new therapeutic method of chronic venous disease management.
20. Functional lumbar overlordosis – the new element in the May-Thurner syndrome pathogenesis.
21. The nutcracker syndrome - severe condition or just a fairy tale?
22. Clinical comparison of distal pancreatectomy with or without splenectomy: a retrospective analysis of short-term postoperative outcome.
23. Parenteral nutrition in gastrointestinal surgery

13. Session of Gynaecology and Obstetrics

Coordinator: Grzegorz Marsik: marsikgrzegorz@wp.pl

1. Up or down? Prolactin level after endometrial cancer surgery
2. Analysis of cardiotocographic traces and obstetric outcomes associated with the misoprostol vaginal insert during labor induction

3. Non-contraceptive benefits and therapeutic uses of oral antiandrogenic contraceptive pill
4. Most wanted: the women's knowledge of the puerperium - has anyone heard, does anyone know?
5. Sleep quality and disorders in pregnant women
6. Diagnostic hysteroscopy - comparison of women with primary and secondary infertility
7. Awareness of emergency contraception among Polish women
8. Behavior and nutrition knowledge analysis of women with abnormally high BMI before pregnancy
9. The knowledge of parents of children aged 11-15 years old about the HPV infection and a vaccination as a prevention
10. Intrauterine myelomeningocele repair by open fetal surgery – comparison between automatic stapling devices and manual suture of myometrium
11. The assessment of various parameters of ovarian reserve
12. Is anti-Müllerian hormone serum level associated with phenotype and BMI in women with PCOS?
13. Women's fears of natural childbirth- are they justified?
14. Factors influencing acceleration of labour
15. Am I a woman?
16. Effectiveness of McDonald's suture in the treatment of cervical insufficiency
17. Pregnancy and menstrual cycle-secret or common knowledge?
18. Students' competences before and after OBGYN classes in center for medical simulation
19. Determining sexual attitudes, behaviour, and knowledge of young people about sexual health and sexually transmitted infections

14. Session of Internal Medicine

Coordinator: Regina Wysocka: regina.wysocka@o2.pl

1. Mode of type 2 diagnosis among poorly controlled type 2 diabetes
2. Serum potassium levels among patients with nephrolithiasis and diabetes type 2
3. Vascularity within thyroid nodules on ultrasonography examination as a predictor of malignancy
4. Quality of sleep in patients suffering from diabetes
5. Impact of different variants of visfatin's gene on late complications of diabetes
6. Evaluation of the influence of distance of cellular network relay stations (BTS) on the presence of adrenal tumor and on diurnal secretion of catecholamines
7. Effect of aspirin desensitization on clinical factors in Aspirin Exacerbated Respiratory Disease patients- a one-year follow-up study
8. Comparison of quality of life in patients' with lung cancer and idiopathic pulmonary fibrosis during treatment

9. Impact of endoscopic ultrasound-guided fine-needle aspiration for diagnosis and management of pancreatic neuroendocrine neoplasms
10. Occupational swelling among medicine students
11. Assessment of factors influencing duration of hospitalization of patients with diabetic ketoacidosis
12. What patients suffering from idiopathic pulmonary fibrosis could observe during half a year of pirfenidone therapy?
13. Significance of congestive heart failure as a cause of pleural effusion.
14. Influence of renal denervation on blood pressure and number of admissions to emergency units in patients with resistant arterial hypertension
15. Association between the level of calcium and the occurrence of metabolic syndrome
16. Improvement of liver function after successful antiviral treatment in cirrhotic patients infected with hepatitis C virus
17. Stress – many sights of an one medal

15. Session of Invasive Cardiology and Cardiothoracic Surgery

Coordinator: Krzysztof Sacha: krzysztof.sacha1@gmail.com

1. The impact of glucose metabolism disorders on changes in echocardiographic parameters six months after acute myocardial infarction treated invasively
2. The comparison of postoperative complications between Sano modification of the Norwood procedure and modification of the Norwood I procedure with bilateral pulmonary artery bandings
3. ICD lifetime with and without resynchronization function in comparison to the data given by manufacturer
4. Surgical management of carotid body paragangliomas
5. Assessment of the influence of anticoagulant therapy in patients after transcatheter aortic valve implantation (TAVI)
6. Results comparison of severe bicuspid aortic valve (BiAV) stenosis treatment with transcatheter aortic valve implantation (TAVI) using first and second generation of self-expanding prosthesis
7. Neonatal balloon aortic valvuloplasty-short and long term outcome
8. Wrapping of ascending aorta – total surgery or paliative procedure?

16. Session of Neonatology

Coordinator: Iga Ślusarczyk: slusarczyk.iga@gmail.com

1. Same Start, Different Paths - Twins, One Born With Down Syndrome

2. Risk factors for necrotizing enterocolitis and analysis of management concerning newborns reported in 2010-2018 on the basis of medical documentation analysis of the hospital department
3. Ultrasonography of the neonatal adrenal glands and adaptive period complications
4. Is it better to be pregnant late then never?
5. What runs in your veins – association between blood type and neonatal diseases
6. Lenticulostriate vasculopathy - a dangerous symptom or a small anomaly?
7. One shot as last chance for survival – impact of dosing of antenatal corticosteroids exposure on neonatal outcomes
8. Correlation between content of vitamin D and proper development
9. Cutting the cord in infants requiring resuscitation - a feasibility study
10. Lung ultrasound improves clinical management in newborns with tension pneumothorax

17. Session of Neurology and Neurosurgery

Coordinator: Aleksandra Baca: aleksa.baca@gmail.com

1. Variability of TSH and fT4 serum levels in the acute phase of stroke and their effect on outcomes
2. Epilepsy in cerebral tumors
3. 3D model of brain– usage in assessment the extent of intracerebral hemorrhage
4. Clinical characteristics of brain tumors in patients of the Department of Neurosurgery and Neurotraumatology of Krakow's University Hospital - a single center retrospective study
5. How recent advancements in pineal region tumours surgery and pathology influence clinical practice?
6. Can flow diverting stents be safely used in ruptured intracranial aneurysms?
7. Parallel frequency of higher visual functions disorders among boys with and without autism
8. Assessment of risk factors in acute stroke with particular emphasis on carotid arteries stenosis
9. Post lumbar puncture headache: features of clinics and diagnosis
10. Smoking among patients with ischemic stroke after intravenous thrombolytic therapy - a preliminary study
11. Assessment of clinical features in secondary progressive multiple sclerosis patients treated with mitoxantrone - a preliminary study
12. The influence of disease span, clinical advancement and other factors on sleep disorders in Parkinson's disease
13. Analysis of the frequency and location of Simon's bleeding in cases of suicide by hanging
14. Subependymal nodules - the clinical meaning
15. Fetal surgery for myelomeningocele- preliminary results

18. Session of Orthopaedics

Coordinator: Marcin Kostuj: m_kostuj@interia.pl

1. Proximal humerus fracture - Determining factors in choice of treatment method
2. Negative pressure wound therapy in orthopaedic patients
3. Postsurgical complications after total hip arthroplasty and preoperative assessment of health
4. Heterotopic Ossification after distal humerus fracture
5. The occurrence of spine discopathy
6. Use of ultrasound in injuries and knee joint diseases

19. Session of Other Surgical Specialties

Coordinator: Marcin Cymerys: marc.cym@gmail.com

1. Do the atmospheric pressure changes have an impact on abdominal aortic aneurysm rupture?
2. Does the size of abdominal aorta aneurysm correlate with other arterial and organ alteration?
3. Do the new blood-based inflammatory markers predict death on renal cell carcinoma patients?
4. The prevalence of concomitant arterial aneurysms in patients with abdominal aortic aneurysm in different age groups
5. Observation as an effective diagnostic tool for children in acute appendicitis
6. Risk factors of abdominal aorta aneurysm post-repair endoleak occurrence – retrospective analysis
7. Distinct histopathological features of intrapancreatic distal common bile duct carcinoma in comparison with pancreatic and ampullary carcinoma
8. Chronic venous disease pharmacological management - the evidence based medicine or pharma companies dreams?
9. The congenital nasolacrimal duct obstruction and epiphora: What now?
10. Association between anastomosis type and postoperative complications in patients following right hemicolectomy
11. The patient's struggle. Analysis of an average waiting time for vascular surgery services in Silesia
12. Echogenicity as the malignancy marker on ultrasonography examination and its correlation with histological type of thyroid cancer

20. Session of Paediatrics

Coordinator: Marianna Łoskot: marianna.loskot@gmail.com

1. Do we prevent sudden cardiac death in children with congenital deafness?
2. Performed – as long as recommended: knowledge and attitude to voluntary vaccinations in Łubniany commune
3. Constipation in children - simple or not?
4. What do the children eat? Eating habits of Polish children.
5. The results of growth hormone (GH) treatment in growth hormone deficiency (GHD) among boys with hypothyroidism
6. Seek and you shall... not always find – diagnostic process of kidney agenesis.
7. Diagnostic and therapeutic aspects in children with dyslipidemia based on outpatient clinic management
8. Ingestion of corrosive substances as a reason of hospitalization in Gastroenterology Department of Upper Silesian Child Health Centre in Katowice in years 2014–2018.
9. Analysis of the clinical picture of patients diagnosed with primary sclerosing cholangitis hospitalized in the Department of Gastroenterology of the John Paul II Upper Silesian
10. The foreign bodies in the digestive tract of children hospitalized in the Górnośląskie Centrum Zdrowia Dziecka w Katowicach in 2014-2018
11. Genotyping of celiac disease specific HLA among patients with type 1 diabetes - is it time for changing recommendation?
12. The use of herbal preparations and medicines in pediatrics.
13. Clustering of newly diagnosed cases of type 1 diabetes in children up to 15 years old in Silesia region: temporal and geographical analysis
14. Age related presentation of onset of type 1 diabetes in children
15. Is it necessary to monitor the concentration of azathioprine metabolites to determine a proper therapy in paediatric patients with inflammatory bowel disease and autoimmune hepatitis?
16. Analysis of the Congenital Heart Defects in children with Turner Syndrome.
17. Evaluation of the respiratory system function in inflammatory bowel diseases
18. Breathing medication use among asthmatic children in Katowice
19. Assessment of the level of psychological care in the Polish medical facilities when taking into account the perspectives of the paediatric patient, parent and the medical
20. Can chronic disease as diabetes type 1 negatively affect on children's and adolescent's self-esteem?
21. What's the most frequent indication to perform voiding cystography in children? - One year single center experience.

22. The appropriability of the standard 2-h oral glucose tolerance test in the diagnosis of glucose metabolism disorders in children with simple obesity
23. Thrombophilia as a serious problem in pediatric population – role of age, symptoms and laboratory testing in diagnostic process.
24. Evaluation of communication quality between a pediatrician and patient in primary care

21. Session of Pharmacy and Clinical Pharmacology

Coordinator: Marta Karkoszka: martakarkoszka@gmail.com

1. Memory-improving properties of a novel carbamate inhibitor of butyrylcholinesterase in a mouse model of scopolamine-induced amnesia
2. The in-vitro study of anti-melanoma effect of doxycycline
3. Potential anticancer activity of Sitagliptin - dipeptidyl peptidase-IV inhibitor
4. The selected ADMET parameters comparison studies on racemate and enantiomer R of new promising hybrid anticonvulsant KA-104
5. Pregnant woman's knowledge about vitamin D
6. Effects of caffeine on selected blood serum biochemical parameters in rats with experimentally induced type 1 diabetes
7. Genetic factors influencing on β -blockers therapy
8. Detection of the genetic polymorphisms in beta-1 adrenergic receptor gene and in G protein receptor kinase in clinical pharmacogenetics
9. Application of fluorescent techniques to evaluate cellular responses to derivatives of betulin
10. EPR and UV-Vis examination of free radical interactions of water extracts obtained from the mixture of antioxidant herbs
11. EPR studies of free radical formation during UV irradiation of atropine sulfate, metamizole sodium, and papaverine hydrochloride
12. Free radical formation in gentamicin and clotrimazole as the result of UV irradiation – EPR examination
13. Interactions of ascorbic acid of different origin with free radicals – Comparative EPR and UV-Vis examination
14. Effects of trigonelline on selected blood serum biochemical parameters in rats with experimentally induced type 1 diabetes

22. Session of Physiotherapy and Physical Activity

Coordinator: Regina Wysocka: regina.wysocka@o2.pl

1. High-heeled shoes and locomotor system pain
2. Cadaver preparations, 3D atlases or maybe lectures? Opinions of physiotherapy students on the anatomy teaching methods in the aspect of their
3. Motives for activity and kinesiphobia in people training at the gym
4. I wanna be the very best - influence of Pokémon GO on players' levels of physical activity.
5. Does poor posture influence on thermal equilibrium?
6. Proper knowledge about physical effort - the best personal trainer

23. Session of Psychiatry

Coordinator: Marta Karkoszka: martakarkoszka@gmail.com

1. The effect of a stroke patient' sex on the outcome of the speech disorders rehabilitation using the EEG-Neurofeedback.
2. Analysis of the depression, bipolar disorder and schizophrenia occurrence at the Department of Psychiatry at the Zagłębie Center of Oncology in Dąbrowa Górnicza
3. The prevalence of seasonal affective disorder among the blind patients with serious visual impairment- a preliminary study.
4. Analysis of cases of admissions without consent and application of physical coercion in 2010-2018 in Ward of Psychiatry and Psychotherapy in GCM in Katowice
5. Correlation between Internet Addiction and emotional intelligence
6. Facial emotion recognition in psychiatric patients.
7. Influence of age on ECT efficacy and safety – retrospective study
8. Mental assessment towards sexual orientation in women with Congenital Adrenal Hyperplasia (CAH).
9. Compatibility of glycemic control with psychosocial functioning of diabetic patients.
10. Mental assessment towards sexual orientation in women with Polycystic Ovary Syndrome (PCOS)
11. Evaluation of emotional disturbances in patients with type 1 diabetes and type 2 diabetes.
12. Phenomenology of psychosis. Delusional content in schizophrenia from a historical perspective.

24. Session of Public Health and Healthcare I

Coordinator: Marcin Kostuj: m_kostuj@interia.pl

1. Evaluation of mercury concentration in toadstools from different regions of Poland comparing to edible mushrooms.
2. Identifying risk factors of medical error - part I - nonmedical factors
3. Effect of mouthwashes on oral hygiene of the children
4. The women`s knowledge of the postpartum period in Poland
5. What high school students and university students of Rzeszow think about vaccinations - differences and similarities
6. Studying medicine – difficult only or perhaps also potentially unhealthy?
7. Nutritional status and biochemical parameters assessment in women with Congenital Adrenal Hyperplasia (CAH)
8. Nutritional status and biochemical parameters assessment in women with Polycystic Ovary Syndrome (PCOS)
9. Trust in influenza vaccination in Poland
10. Are the mobile telephones of hospitalized patients the microbial transmission vector ?
11. Significant choices in antibiotic therapy in Primary Health Care
12. Labour - male point of view
13. ERASMUS+ Programme through the eyes of first-year students of Medical University of Silesia, Katowice
14. Difficult relationship between touch and medicine - students' point of view
15. Skin lesions among women who suffer from the hypothyroidism
16. The prevalence of asthma and allergic diseases in children in Katowice (Poland): a cross-sectional survey
17. Depressive symptoms among university students from Poland and Portugal
18. What do people from non medical field think about vaccinations?
19. Knowledge levels of parents of school-aged children on the subject of visual hygiene
20. Impact of smog exposure on spirometry results in young males
21. Current trends in the selection of contraception by women
22. The comparison of the risk of human exposure to tick borne infection with *Borrelia burgdorferi sensu lato* on the two selected recreational areas in Poland
23. Asthma and pregnancy – women`s awareness
24. Comparison of the state of knowledge about STDs between medical students and general population

25. Session of Public health and Healthcare II

Coordinator: Marcin Kostuj: m_kostuj@interia.pl

1. Evaluation of the effectiveness of various washing and disinfecting forms of agents in the elimination of flora that colonizes the skin of the hands
2. Effect of Diatec's & Hygiene on Oral Health.

3. Practical aspects of using contact lenses - questionnaire
4. Are medical students becoming more aware about Hepatitis B and C along with their studies?
5. The frequency of the diseases and their significance on spirometry results in children aged 7-13 years
6. Day before or day after? Which contraceptives do polish people use and how do they feel about it?
7. Patients knowledge about nasal drops containing xylometazoline or oxymetazoline use and awareness of potential dependence on these preparations
8. Approach to health by medical students
9. Pharmaceutical drugs and dietary supplements in the aspect of activated carbon - are patients aware of the differences?
10. Knowledge and Attitudes about Antibiotic Use and Resistance: A Cross-Sectional Study among Primary Healthcare Center Attendees in an Urban Area, Alexandria, Egypt
11. Is the level of knowledge about vaccinations among medical professionals really sufficient?
12. Evaluation of Polish women's knowledge about cervical cancer prophylaxis.
13. Knowledge of painkillers and NSAIDs use among parents of children aged 3-6
14. The level of experienced stress among health professionals
15. The comparison of frequency of wearing eyeglasses in 2nd and 8th grade of primary school
16. Cadmium, lead and zinc concentration in the teeth of inhabitants of Upper Silesia as an indicator of exposure to heavy metals
17. Woman in uniform - analysis of society views and direct associates about women employed at selected uniformed services.
18. The attitude of consumers to the expansion of advertising of medical products
19. The awareness of the genetically modified foods in selected population of patients
20. Patients' knowledge about gastroenteroprotective agents - the role of Pharmaceutical Care.
21. The influence of surgical treatment of mandibular prognathism on self-esteem and self-acceptance
22. Is "homo medicus" also "homo prophylacticus"? Analysis of visual work in medical and non-medical professions and the prophylaxis of eye diseases

26. Session of Radiology, Radiodiagnostics and Nuclear Medicine

Coordinator: Aleksandra Głuszek: aleksandra.gluszek@med.sum.edu.pl

1. The impact of I131 therapy on the function of parathyroid gland in patient with hyperthyroidism.

2. Heterogeneity of pancreatic neuroendocrine tumours: correlation between imaging features in Computed Tomography and the results of morphological studies.
3. Treatment effectivity parameters of iodine isotope (¹³¹I) therapy for toxic nodular goitre
4. The influence of radioiodine therapy on some parameters of oxidant/antioxidant balance in patients with Graves disease
5. The new method, the old problem – role of Contrast-Enhanced Spectral Mammography (CESM) in the diagnosis of breast cancer among young women
6. Radiological and pathomorphological correlation of adrenal lesions in paediatric patients, based on magnetic resonance imaging
7. Specification of imaging in pediatric ischemic stroke
8. Tetralogy of Fallot: the comparison of the two methods SSFP Fiesta C and Atrial 3D MR
9. Diseases imitating other diseases - ultrasound necessary to resolve the problem

27. Session of Sexology

Coordinator: Grzegorz Marsik: marsikgrzegorz@wp.pl

1. Sexuality of women with cardiovascular diseases
2. Sexual activity among women with urinary incontinence
3. Influence of physical activity level on quality of sex life
4. Sexual dysfunction among obese women – preliminary report
5. Could problems in the bedroom come from our intestines? A preliminary study of irritable bowel syndrome and its impact on sexuality
6. Fifty Shades of Genitals – the naming of sex organs
7. Where is the source of male pleasure?
8. Men's with ischaemic heart disease expectations regarding interest in their sexual health demonstrated by general practitioners
9. Knowledge & opinion of young adults about the risky sexual behaviors
10. Higher education students life quality (including sexual life) in student dorms
11. Female orgasm
12. Still in middle ages - Polish students consider homosexuality as a mental disease!

28. Session of Stomatology- Interventional

Coordinator: Marcin Cymerys: marc.cym@gmail.com

1. Rehabilitation of trauma patient in Craniomaxillofacial Surgery. Initial reports
2. Assessment of manual skills of the third, fourth and fifth year students of the dental faculty of the Medical University of Silesia in Katowice

3. ICON - modern infiltration method of early caries treatment
4. Influence of surgical suturing on post-extraction alveolar bone healing
5. Comparison of the impact of rotational speed of the drill on the change of bone temperature during the dental implant preparation
6. Bioresorbable plates in cranio-maxillofacial surgery and neurosurgery

29. Session of Stomatology- Non-Interventional

Coordinator: Marcin Cymerys: marc.cym@gmail.com

1. Enamel surface evaluation after brackets' debonding
2. How are the future dentists stressed? A survey among dentistry students of various years of studies
3. Dental care knowledge and awareness among secondary school students
4. Why should not the choice of a mouthwash be accidental ?
5. Awareness of parents of children classes IV and V on the prevention of oral fluoride

30. Session of Transplantology

Coordinator: Marcin Cymerys: marc.cym@gmail.com

1. Influence of tacrolimus and cyclosporine therapy on renal function of patients after lung transplantation
2. Outcome of Lung transplantation as a treatment of patients with COPD - single center study
3. Does relationship exist between immunosuppressive treatment regimen (ITR), histologic appearance of kidney glomeruli, glomerular infiltrative cell composition and kidney graft function
4. Serum creatinine concentration during early post-transplant period may determine kidney function at 1-year after liver transplantation
5. Regression of hypersplenism during the first year after liver transplantation

31. Session of Case Reports Interventional I

Coordinator: Kamil Kowal: pkowalski@vip.onet.pl

1. Delivery and puerperium in a patient with severe idiopathic pulmonary arterial hypertension.
2. Life was born, life was saved- haemorrhagic shock following childbirth

3. An extraordinary case of a double oncological diagnosis
4. The case report of 24-year-old patient diagnosed with a uterine rupture during her third pregnancy
5. Should lung cancer be a contraindication for lung transplantation? A case report
6. Nasal bleeding and impaired nasal patency as the only symptoms of esthesioneuroblastoma
7. Case report of progressive cerebellopontine angle tumor in pregnant patient as an example of interdisciplinary challenge
8. Resection of cardiac benign tumor in 11-month-old child- Case Report
9. Borderline hypoplastic left heart syndrome management-case study
10. Lack of prevention - does it pay off? Teratoma: a case report
11. Second-trimester myomectomy as an alternative to termination of pregnancy in a woman with a symptomatic uterine leiomyoma: a case report
12. 18-years follow-up after first successful heart-lung transplantation in Poland
13. Polytrauma patient after a transport accident - case report
14. Kidney transplantation after resection of renal cell carcinoma in the patient with polycystic kidney disease
15. Plasma exchange in acute relapse of neuromyelitis optica: a case report
16. Radiofrequency catheter ablation as a promising treatment option in patient with hypoplastic left heart syndrome and atrial flutter after Fontan operation – a case report
17. A case of a 4-week old patient with superior vena cava drainage into the left atrium
18. Coronary arteries anatomy aberration in 14-month old patient with transposition of great arteries, ventricular septal defect and pulmonary stenosis. Nikaidoh procedure
19. Reversible cause of cardiac arrest – arrested hypothermic victim
20. Thoracic Endovascular Aortic Repair (TEVAR) for aneurysm of aortic arch using debranching vascular technique
21. The Katowice Chainsaw Massacre
22. Kidney autotransplantation as a method of treatment of total iatrogenic ureteral injury - a case study

32. Session od Case Reports Interventional II

Coordinator: Kamil Kowal: pkowalski@vip.onet.pl

1. The problem of chronic torticollis due to missed atlanto-axial rotatory subluxation (AARS) - case report
2. Multiple independent malignant tumors in young patient - case report
3. Intrabronchial valves implantation in single-lung transplant patient as a method of chronic obstructive pulmonary disease treatment

4. Challenges in the management of partial hydatidiform mole with coexistent fetus in the second trimester of pregnancy
5. Diagnostic difficulties with lymphoma - case report
6. Solid pseudopapillary neoplasm (SPN) - young woman with large, unusual pancreatic lesion - case report
7. A rare case of hemangioma of the nasal vestibule- case study
8. A large biliary cyst of Todani I type in a young woman: a case report
9. Mixed tumor in atypical localization
10. 59 years old man with foreign body in intermediate bronchi - a surprising finding
11. Inflammatory cyst of thyroid gland - case report
12. Chronic recurrent intussusception of small intestine – the source of psychiatric disorder; case report
13. Large nontoxic nodular goitre- case report
14. Diagnostic problems of retroperitoneal cysts, illustrated by example of a 55-year-old male patient
15. The implantation of a leadless pacemaker in a patient after the Senning procedure- a case report
16. Y-Type urethral duplication. Case report of a patient with multiple congenital abnormalities
17. Difficulties in diagnosis and treatment of gallbladder cancer illustrated by example of 75-year-old patient
18. Blood? God forbid! Rejecting a transfusion basing on religious beliefs
19. The diversity of short-term complications after liver transplantation
20. When an ob-gyn needs to call the surgeon- intussusceptions in pregnancy
21. A complete ureteral dissection - a rare complication following posterior lumbar discectomy - a case study
22. ICON - modern infiltration method of early caries treatment

33. Session of Case Reports Non-Interventional I

Coordinator: Aleksandra Głuszek: aleksandra.gluszek@med.sum.edu.pl

1. Cystic hygroma as a isolated change - case report
2. Coexistence of TSH-secreting pituitary tumor and papillary thyroid carcinoma – case report
3. 33 years old female diagnosed with hypogonadotropic hypogonadism
4. Do not forget that the fatal subarachnoid hemorrhage as a result of ruptured aneurysm can be a chance to save someone's life
5. What do the children eat? Eating habits of Polish children.
6. Is this TRALI, TACO, or just pneumonia? – a case report of ARF

7. Esophageal disease in a 15-year-old boy- gastroesophageal reflux disease or eosinophilic esophagitis
8. Stroke as a rare complication after varicella - case report
9. Acquired haemophilia A imitating uterine tumour
10. Liposarcoma – the Surgical Boomerang
11. Coexistence of syphilis with HIV infection
12. A ‘tumbling’ food surprise as a life danger
13. Progressive supraglottic scarring as a only sign of IgG4-related disease
14. Menkes disease
15. Unusual presentation of acute lymphoblastic leukemia
16. Pseudohypoparathyroidism in children - diagnostic and therapeutic challenge
17. Neurological Complications of Common Variable Immunodeficiency (CVID)
18. Peripartum cardiomyopathy – 2 years follow-up
19. Differential diagnosis matters - deep fibromatosis in the infant's body
20. Worth of direct radionuclide cystography (DRC) in diagnosing vesico-peritoneal fistulae
21. Simultaneous celiac disease and anorexia nervosa in young girls- three cases reports
22. Sarcoidosis- why is it hard to establish the proper diagnosis?

34. Session of Case Reports Non-Interventional II

Coordinator: Aleksandra Głuszek: aleksandra.gluszek@med.sum.edu.pl

1. Deficiency of 11 – β – hydroxylase as a cause of resistant - treatment hypertension – case report
2. Case report of a very rare carcinoma of the lung
3. Dental care knowledge and awareness among secondary school students
4. Non-typical enterocolitis induced by mycophenolate mofetil
5. Oocyte donation - an effective infertility treatment in Turner Syndrome
6. 17 years old girl with defecation disorders- case report
7. A case of primary cutaneous large cell lymphoma in a 8- years old girl
8. Graft-versus-host disease following Autologous Hematopoietic Stem Cell Transplantation for Multiple Myeloma
9. Diagnostic dilemmas with classification of melanocytic lesions – a navel approach to lesions with indeterminate biological behavior
10. Could laxatives abuse contribute to a false picture of diabetes mellitus?
11. The use of NIV in the two types of respiratory failure in a patient with NF-1
12. Occupational swelling among medicine students
13. Stress-induced cardiomyopathy in oncological patient
14. Scary heart attack, scarier the consequences
15. Double ventricle, double trouble?

16. Extraordinary effectiveness of monoclonal anti-IgE antibodies called omalizumab (generic name Xolair) on patient with acute bronchial asthma and chronic sinusitis with polyps – case report
17. From dentist to oncologist – a case report of 14 years old boy with Burkitt lymphoma
18. Triad of sportsmen as disorders occurring in women practicing sports - food therapy
19. Fahr's syndrome as a result of a disturbance in calcium metabolism – case report
20. The way to a man's heart is through his stomach –how getting burned may lead to takotsubo syndrome
21. Presence of multiple cancers in a patient in the seventh decade of life
22. Addicted from the first breath - neonatal abstinence syndrom

35. Session of Case Reports Non-Interventional III

Coordinator: Aleksandra Głuszek: aleksandra.gluszek@med.sum.edu.pl

1. An autoimmune set in men in early old age
2. A 12-year-old male with rare adrenocortical carcinoma
3. Food allergy as a potential cause of cachexia and false positive HIV test results
4. Problems in caring for a newborn baby in a home environment - case report
5. Ambiguous symptoms as the manifestation of the malignant tumor
6. Diagnostic difficulties related to abdominal pain
7. Cat scratch disease in a 14-year-old girl - case report
8. Gout or thrombosis- what caused the pain?
9. Acute Respiratory Distress Syndrome caused by Influenza virus A(H1N1) infection in patient treated for Follicular Lymphoma
10. 54 years- old patient with stroke and ECG changes- case report
11. Organs complications resulting from varicella as an immediate death cause in a 4,5-year-old patient
12. Insidious onset of pulmonary embolism in patient with unrecognised V Leiden factor mutation
13. Acquired hemophagocytic syndrome induced by cytomegalovirus infection. Case report
14. Am I a Woman
15. 58-year-old female with Takotsubo cardiomyopathy - a case report
16. Post-transplant lymphoproliferative disorders (PTLD) in solid organ recipients – description of two cases
17. Severe Acute Graft-Versus-Host Disease Following Tandem Autologous Stem Cell Transplantation for Multiple Myeloma – Case Report
18. A case of toxic epidermal necrolysis caused by allopurinol
19. Nephrolithiasis in 8- year-old patient caused by consumption of high doses of Vitamin C and D
20. Effect of Diatec's & Hygiene on Oral Health

21. Premature constriction of ductus arteriosus – are the serious consequences inevitable?
22. Beckwith-Wiedemann syndrome associated with 47,XXX/46,XX mosaicism: case study
23. Case report of a patient with recurrent aphthous stomatitis and chronic cervical lymphadenopathy