

XVth National Congress of the Czech Society of Clinical Biochemistry with International Participation, Zlin, October 10 – 12, 2021

Scientific program

SUNDAY 10. 10. 2021 (Main Hall)

16.30

Prof. Horejsi Lecture

Racek J.

Treacherousness of immunochemical methods

MONDAY 11. 10. 2021 (Main Hall)

8.30 – 10.00

Blok B1: Laboratory options in patients with urinary stones

Coordinator: MUDr. Tomáš Šálek, Ph.D., EuSpLM

B1 - 1

Stejskal D. (Ostrava)

Basics of diagnosis and metaphylaxis of patients with urolithiasis

B1 - 2

Kotaška, K., Polák, M., Brisuda, A., Průša R. (Praha)

The rare case of polycyanoacrylate as a urinary concretion in a patient after bilateral hernioplasty

B1 - 3

Petřík, A. (České Budějovice, Praha)

Treatment of Urolithiasis - Contemporary Status

B1 - 4

Stibůrková B. (Praha)

Urolithiasis: Clinical marker for inherited metabolic disorder

B1 - 5

Šálek T. (Zlín)

Kidney stones - Risk factors

10.30 – 12.00

Blok B2: Case reports in laboratory medicine

Coordinator: prof. MUDr. Jaroslav Racek, DrSc.

B2 - 1

V. Soška, O. Kyselák (Brno)

How setting reference limits can affect patient therapy

B2 - 2

Kalousová M., Macášek J., Zeman M. (Praha)

Refeeding syndrome after paleodiet

B2 - 3

Topolčan O. (Plzeň)

Casereport- why?

B2 - 4

Novák J. (České Budějovice)

Autoimmune dysregulatory complications of common variable immunodeficiency

B2 - 5

Rajdl D., Šašek L. (Plzeň)

Metabolic acidosis or respiratory alkalosis?

B2 - 6

Randák D., Malina P. (Písek)

Hidden cause of hypokalemia

13.00 – 13.45

PL2 Plenary lecture

Cadamuro J. (Salzburg, Austria)

Laboratory result reporting

13.45 – 15.15

Blok B3: Laboratory examinations in thyroid diseases

Coordinator: doc. Ing. Drahomíra Springer, Ph.D.

B3 - 1

Bílek R. (Praha)

Thyroglobulin and pathophysiology of the thyroid gland

B3 - 2

Topolčan O., Fuchsová R., Kučera R. et al. (Plzeň)

Indication and interpretation of results thyroid parametres

B3 - 3

Koudelková M., Jiskra J., Springer D. et al. (Brno, Praha)

Is early thyroid screening in pregnancy really important? What the data shows

B3 - 4

Telnarová M., Černá J. (Ostrava)

Laboratory view of thyroopathy in pregnancy

B3 - 5

Doubková D., Doubek R. (Brno, Zlín, Pelhřimov)

Thyroid disease in pregnancy from the gynaecologic viewpoint

B3 - 6

Špitálníková S., Horáček J., Komendová I. (Havlíčkův Brod)

Universal Screening Thyreopatie in Pregancy

15.45 – 17.15

Blok B4: Examination of extrahuman genome

Coordinator: prof. MUDr. Pavel Dřevínek, Ph.D.

B4 - 1

Dřevínek P. (Praha)

What is the molecular biology of today?

B4 - 2

Amlerová J. (Plzeň)

Molecular detection of only one agent and POCT

B4 - 3

Bébrová E. (Praha)

Molecular detection of multiple agents simultaneously and POCT

B4 - 4

Lengerová M. (Brno)

How to analyze the SARS-CoV-2 genome and what it is good for

B4 - 5

Hrabák J. (Plzeň)

Does metagenomics have a place in clinical microbiology?

TUESDAY 12. 10. 2021 (Main Hall)

8.30 – 10.00

Blok B5: Use of mass spectrometry in calinical laboratory

Coordinator: doc. RNDr. David Friedecký, Ph.D.

B5 - 1

Kožich V., Ješina P., Krijt J. et al. (Praha)

Observation of hypo- or hyperhomocysteinemia: utility of targeted metabolomics and genomics for elucidation of etiology

B5 - 2

Kotasová M., Lacina O., Springer D., Brutvan T., Ježková J., Zima T. (Praha)

Determination of dexamethasone by 2D-LC/MS/MS

B5 - 3

Rajska M., Prochazková P. (SPADIA Lab a.s.)

Workflow optimization: increasing samples throughput for determination of free metanephrines in plasma by liquid chromatography mass spectrometry

B5 - 4

Friedecký D., Kvasnička A., Kouřil Š., Najdekr L. (Olomouc)

Lipidomics and its importance for laboratory diagnostics

10.30 – 11.15

PL3: Plenary lecture

Montagnana M. (Verona, Italy)

The impact of pre-analytical phase on the quality of laboratory testing: State-of-the-art and future perspectives

11.15 – 12.45

Blok B6: Markers of bone metabolism

Coordinator: MUDr. Richard Pikner, Ph.D.

B6 - 1

Pikner R. (Klatovy)

Bone Turnover Markers – Prenanalytical and Postanalytical Considerations and How to Interpret Reference Ranges

B6 - 2

Eastell R. (Sheffield, UK)

Monitoring osteoporosis treatment using bone turnover markers

B6 - 3

Palička V, Dusilová Sulková S. (Hradec Králové)

Bone turnover markers in chronic kidney disease and haemodialysis

B6 - 4

Topolčan O., Kučera R., Karlíková M. et al. (Plzeň)

D vitamins in Czech population

POSTERS

P1

Mydlářová Blažčáková M., Poráčková J., Janigová M., Nagy M. (Prešov, Komárno, SR)

Selected biochemical markers of osteoporosis in postmenopausal women of eastern Slovakia

P2

Prošková J., Krhovská P., Petrová P., Bačovský J., Minařík J. (Olomouc)

Bone biomarkers and their relationship to disease activity in patients with multiple myeloma

P3

Woronyczová J., Nováková M., Bolek E., Vítek L. (Praha)

A comparison of two immunochemical methods used for a measurement of 25-hydroxyvitamin D in serum

P4

Greplová K., Gottwaldová J., Selingerová I., Čermáková Z. (Brno)

Monitoring levels of total antibodies to protein S and nucleocapsid antigen of SARS-CoV-2 virus in cancer patients vaccinated with Pfizer / BioNTech

P5

Rajdl D., Žánová M., Racek J., Korousová I., Senft V. (Plzeň)

Bicarbonate interference in chloride measurement

P6

Roubalová L. (Olomouc)

Dynamics of serum Copeptin levels during III. trimester of pregnancy in healthy women with an uncomplicated pregnancy and delivery