

October 10th Wednesday

Hall A

17:00-18:00

Opening Ceremony

18:00-19:00

Opening Lecture: Laboratory medicine – Challenges and opportunities
Michael Oellerich

October 11th Thursday

Hall A

09:00-10:30

S4. Diagnostic approach to hemostasis disorders

Chairs: **Brent L. Wood & Patrick Twomey**

Coagulation testing and new oral anticoagulants

Sophie Testa

Thrombin generation analysis: research tool, biomarker or intermediate phenotype?

Tilman Hackeng

Diagnostic approach to hemostasis disorders

Hugo Ten Cate

10:30-10:45

COFFEE BREAK & POSTERS



10:45-11:30

Plenary Lecture: Liquid biopsy for cancer screening

Chair: **Siraj Misbah**

Speaker: **Michael Neumaier**

11:30-12:10

INDUSTRY-SPONSORED SYMPOSIUM



Analytical Comparison Between Mindray CAL-8000 vs Sysmex XN-9000

Hematology Analyzers

Michela Seghezzi

12:10-13:00

LUNCH & POSTERS



13:00-14:30

WASPaLM SYMPOSIUM

Chairs: **Ozkan Alatas & Roberto Verna**

Perspectives on women's health care: Novel approaches for rare diseases, aging and cancer

Cinzia Marchese

Inositol metabolites as biomarkers of peripheral complications in insulin resistant and diabetes patients

Mariano Bizzarri

Usefulness of intraoperative parathyroid hormone monitoring during minimally invasive video-assisted parathyroidectomy

Elisabetta Stenner

October 11th Thursday

Hall A

14:30-14:45

COFFEE BREAK & POSTERS



14:45-15:45

S16. Pediatric laboratory medicine

Chairs: **Canan Coker & Matthias Orth**

Newborn screening for metabolic and lysosomal diseases

Juergen Okun

The role of laboratory in diagnosis and management of familial hypercholesterolemia

Luis Masana

15:45-16:15

S3. The utility of biomarkers in neurological disorders

Chair: **Michael Meisner**

The diagnosis and management of dementia

Sylvain Lehmann

16:15-16:30

COFFEE BREAK & POSTERS



16:30-17:30

S8. Endocrinologist and laboratorian, a friendship under construction

Chairs: **Beyhan Omer & Roberto Verna**

What do the endocrinologists expect from laboratory?

Ilhan Satman

The role of laboratory in metabolic bone disease

Howard Morris

17:30-18:30

DEBATE

HbA1c will remain the preferred marker for assessing glycaemic control

For: **Garry John**

Against: **Eric Kilpatrick**

October 11th Thursday

Hall B

09:00-10:30 S22. Laboratory testing guideline in the intensive care unit

Chair : **Sezer Uysal & Yeşim Özarda**

The role of laboratory medicine in intensive care unit

Beliz Bilgili

Inflammation versus sepsis: Focus on biomarkers

Michael Meisner

TDM of antibiotics

Paul M. Tulkens

10:30-10:45 COFFEE BREAK & POSTERS



12:10-13:00 LUNCH & POSTERS



13:00-14:30 S5. Detecting kidney disease: from proteomics to the clinical laboratory

Chairs: **Eberhard Wieland & Tomas Zima**

Urinary exosomes as a novel source of biomarkers of kidney disease

Elisabetta Verderio Edwards

Urinary biomarkers in kidney transplantation: Application of mass Spectrometry to measure peptides and proteins

Halide Akbas

The clinical laboratory and kidney disease

Edmund J. Lamb

14:30-14:45 COFFEE BREAK & POSTERS



14:45-16:15 S14. Medical guidelines and clinical decision making

Chair : **Ebru Sezer**

Medical guidelines may not always be compatible with laboratory practice

Michel Langlois

Laboratory and clinical cooperation in enhancing clinical decision making

Wytze Oosterhuis

Demand management (Test utilization)

Ana Maria Simundic

16:15-16:30 COFFEE BREAK & POSTERS



16:30-17:30 S7. The rise and fall of total error concept in laboratory medicine

Chairs: **Abdurrahman Coskun & Wytze Oosterhuis**

Uncertainty or total allowable error: The big debate

Anders Kallner

From measurement to diagnosis: Uncertainty in laboratory medicine

Elvar Theodorsson

- 13:00-13:10 Chairs: **Metin Kılınç & Hülya Aybek**
How are the identification errors occur in medical laboratory processes?
four sample cases from real laboratory life
Pinar Eker
- 13:10-13:20 Human leucocyte antigen B27 measurement using flow cytometry
after 5 days of sample collection
Murat Koser
- 13:20-13:30 Impact of storage conditions on the natriuretic peptides pre-analytical
stability using different analytical methods and biological variability concept
Coumba Diop
- 13:30-13:40 Analysis of daily variation in serum prolactin levels of women in
reproductive age with data mining
Deniz İlhan Topcu
- 13:40-13:50 Effective utilization rates, awareness of quality indicators and
expectations from medical laboratories, a pilot study from turkey
M. Erinc Sitar
- 13:50-14:00 Analysis of coagulation unit preanalytical quality by six sigma and
Pareto: In sample collection
Fatma Ceyla Eraldemir
- 14:00-14:10 Rational use of laboratory test request procedure: university experience
for vitamin B12 and folate tests
Habib Ozdemir
- 14:10-14:20 Effect of pneumatic tube delivery system on hemolysis-is it clinically significant?
Dilara Karacan
- 14:20-14:30 Our Laboratory Experience About Interference of ACTH Measurement
Leyla Demir

14:30 – 14:45 COFFEE BREAK & POSTERS



- 14:45-14:55 Chairs: **Tülay Köken & Özlem Gülbahar**
Implementing a total laboratory automation system: Experience of a
university laboratory
Raziye Yildiz
- 14:55-15:05 Emphasizing clinical history in thalassemia screening
Esin Avci
- 15:05-15:15 Assessment of PAPP-A and serum amiloid a levels and thyroid
functions in patients with metabolic syndrome
Halil İbrahim Büyükbayram
- 15:15-15:25 The relationship between mean platelet volume and Hba1c levels
Arzu Kosem

- 15:25-15:35 Cardiac biomarkers in hemodialysis patients
Rahile Arslan
- 15:35-15:45 Changes in oxidative stress parameters and inflammatory markers in hand osteoarthritis patients
Betul Ozbek Iptec
- 15:45-15:55 Vitamin D and vitamin D receptor: Another aspect of gestational diabetes mellitus
Seckin Ozgur Tekeli
- 15:55-16:05 Vitamin D supplementation does not improve plasma thiol/disulfide homeostasis
Cuma Mertoglu
- 16:05-16:15 The importance of plasma presepsin in determining stapler line leakage after morbid obesity
Pinar Kasapoglu

16:15 – 16:30 COFFEE BREAK & POSTERS



- Chairs: **Asuman Gedikbaşı & Süleyman Demir**
- 16:30-16:40 Association of ABO and rhesus blood groups with cancer
Evin Kocaturk
- 16:40-16:50 Taurine values in postoperative period after cardiovascular surgery
Saliha Aksun
- 16:50-17:00 Alkaline phosphatase interference in an unconjugated estriol assay causing a false positive down's syndrome screening result
Ozlem Cakir Madenci
- 17:00-17:10 High carrier ratio in healthy subjects of R202Q mutation in MEFV gene in province of
Burak Tanriverdi
- 17:10-17:20 Can pregnancy associated plasma protein-A be a diagnostic marker in patients with psoriasis?
Fikret Akyurek
- 17:20-17:30 Differences in serum levels of lysophosphatidic acid and orexin/hypocretin in normal weight and obese patients, along the continuum from health people to Alzheimer disease
Antonella Angiolillo

October 12th Friday

Hall A

09:00-10:30 **S11. A harmonised approach to generating and applying biological variation data**
Chair: **Elvar Theodorsson**
Biological variation, from theory to practice. The projects of EFLM
Sverre Sandberg
European Biological Variation Study (EuBIVAS): Sample collections from healthy volunteers from six European Labs for biological variation estimates' update
Anna Carobene
Biological variation of CBC tests: The effect of turnover time
Abdurrahman Coskun

10:30-10:45 **COFFEE BREAK & POSTERS**



10:45-11:30 **Plenary Lecture: The Liver: Maestro of metabolism**
Chair: **Howard Morris**
Speaker: **Nurdan Tozun**

11:30-12:10 **INDUSTRY-SPONSORED SYMPOSIUM**



Innovative solutions to achieve measurably better healthcare performance in the core lab

Chair: **Ozkan Alatas**

Alinity and the next generation core lab: Data behind measurably better healthcare performance

Nilüfer Bayraktar

Improving lab productivity with existing resources: Test pattern optimization through the power of AlinIQ

Ataman Gokel

12:10-13:00 **LUNCH & POSTERS**



13:00-14:30 **IATDMCT SYMPOSIUM**

Chairs: **Maria Shipkova & Eberhard Wieland**

The future of LC-MS/MS in forensic laboratory and clinical toxicology

Katharina Rentsch

Therapeutic drug monitoring in transplant patients

Eberhard Wieland

Therapeutic drug monitoring for anti-hypertensive drugs

Erik van Maarseveen

14:30-14:45 **COFFEE BREAK & POSTERS**



October 12th Friday

Hall A

14:45 -15:25

INDUSTRY-SPONSORED SYMPOSIUM



The Fully Automatic CLIA Solution for Free Testosterone Testing: How Does Laboratory Innovation help Clinical Diagnostic

Humeyra Ozturk Emre

15:25-16:25

S18. Strategic role of laboratory management and leadership in clinical outcome

Chairs: **Tamer Inal & Pinar Tuncel**

The role of laboratory specialist in clinical diagnostic team

Roberto Verna

Laboratory medicine in the new regulatory and healthcare environment: From essentialism to consequentialism

Fatma Taneli

16:25-16:40

COFFEE BREAK



16:40-18:10

S13. Autoimmunity, allergic disorders and immunodeficiency

Chairs: **Burcu Barutcuoglu & Jurgen Stein**

The role of the laboratory in diagnosis and management of autoimmune disease

Joanna Sheldon

The role of the laboratory in the diagnosis and management of allergic disease

Ravishankar Sargur

The Role of the Immunology Laboratory in The Diagnosis and Management of Primary Immune Deficiency

Kimberly Gilmour

October 12th Friday

Hall B

09:00-10:30 **S12. Role of Gut microbiota in metabolism and inflammatory bowel diseases**
Chairs: **Stelios Chatzipanagiotou & Nurdan Tozun**
Gut microbiota and its relationship with obesity, metabolic syndrome and diabetes
Ahmet Uygun
Celiac disease antibody testing: New trends in diagnosis, guidelines and new markers
Jurgen Stein
Faecal biomarkers in diagnosis and monitoring of inflammatory bowel disease
Murat Toruner

10:30-10:45 **COFFEE BREAK & POSTERS**



12:10-13:00 **LUNCH & POSTERS**



13:00-14:30 **S17. Harmonisation of training and continuing professional development in laboratory medicine**
Chairs: **Augusto Machado & Fatma Taneli**
Curricula of laboratory medicine in medical schools
Tomas Zima
Standardization of education of specialists on medical biochemistry in Turkey
Pinar Tuncel
Education of specialists on laboratory medicine in EU
Matthias Orth

14:30-15:25 **COFFEE BREAK & POSTERS**



15:25-16:25 **S1. The role of clinical laboratories in diagnosis and management of cancer**
Chair: **Meltem Kilercik**
Therapy-resistant non-small cell lung carcinoma – The role of molecular tumor boards for clinical management
Leon van Kempen
The impact of flow cytometry in clinical laboratory
Brent L. Wood

16:25-16:40 **COFFEE BREAK**



16:40-17:40 **S9. Personalized medicine**
Chair: **Ian Watson**
The role of laboratory medicine in personalized and precision medicine
Mario Pazzagli
Personalized reference intervals
Yesim Ozarda

Chairs: **Evin Ademoğlu & Ece Onur**

- 13:00-13:10 Does table salt help pass a drug test in urine?
Soycan Mizrak
- 13:10-13:20 1,25-Dihydroxyvitamin D3 attenuates matrix metalloproteinase expression by inhibition of inflammatory process in chondrosarcoma cells
Gamze Avcioglu
- 13:20-13:30 Effect of ozone on colon anastomoses in a rat peritonitis model
Feyza Yagmur Tekeli
- 13:30-13:40 Translating mass spectrometry-based protein assays and the challenging road ahead: post-translationally modified proteins as biomarker targets for clinical MS protein tests
Dobrin Nedelkov
- 13:40-13:50 SHFI: A novel noninvasive predictive model for significant fibrosis in patients with chronic hepatitis B
Banu Isbilen Basok
- 13:50-14:00 Simultaneous determination of fat soluble vitamins by liquid chromatography tandem mass spectrometry
Sebla Ertugrul
- 14:00-14:10 Serum secreted phospholipase A2 levels in cardiac damage determined scintigraphically
Hale Aral
- 14:10-14:20 MicroRNAs as biomarkers associated with overactive bladder
Elif Firat
- 14:20-14:30 Hematological changes in patients with diabetes type 2 treated with metformin
Marsida Janko

October 13th Saturday

Hall A

09:00-10:30 **S20. Patient safety and ethical issues in laboratory medicine**
Chair: **Eric Kilpatrick**
Improvement of laboratory test value by evidence based strategies
Mustafa Serteser
Ethical issues in laboratory medicine
John Harris

10:30-10:45 **COFFEE BREAK & POSTERS**

10:45-11:30 **Plenary Lecture: Patient focused laboratory medicine**
Chair: **Ana Maria Simundic**
Speaker: **George Lundberg**

11:30-11:45 **COFFEE BREAK**

11:45-12:45 **S6. Diet, inflammation and atherosclerosis**
Chairs: **Ceyda Kabaroglu & Jorgen Okun**
Vascular inflammation and atherosclerosis
Burcu Barutcuoglu
Metabolomics and cardiovascular disease
Matthias Nauck

12:45 **Closing Ceremony**

October 13th Saturday

Hall B

09:00 - 10:30

S21. Smart technologies in the diagnosis and monitoring of patients

Chairs: **Mathias Nauck & Mehmet Birhan Yilmaz**

Lab-on-a-chip

Yildiz Uludag

Enhancing precision medicine through clinical mass spectrometry platform

Dobrin Svinarov

MALDI imaging in clinical laboratories

Ahmet Tarik Baykal

10:30-10:45

COFFEE BREAK & POSTERS



11:45-12:45

S2. Biomarkers of heart failure and prognosis

Chair: **Mustafa Serteser**

The utility of high sensitive troponins in early diagnosis or rule out of AMI

Mehmet Agirbasli

Prognostic markers of heart failure

Mehmet Birhan Yilmaz

