الجمعية تحت إشراف

الهيئة السعودية للتخصصات الصحية
Saudi Commission for Health Specialties

SAUDI SOCIETY FOR
CLINICAL CHEMISTRY
الجمعية السعودية للكيمياء السريرية

18 CME ACCREDITED

7TH INTERNATIONAL MEETING
ON CLINICAL CHEMISTRY AND LABORATORY MEDICINE

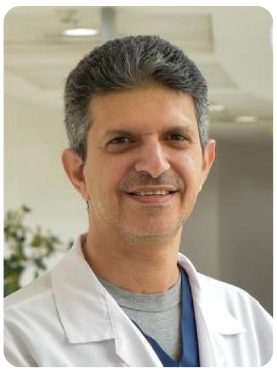
11TH ANNUAL CONFERENCE
SAUDI SOCIETY FOR CLINICAL CHEMISTRY

1~3
DEC, 2025

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CROWNE PLAZA,
RIYADH RDC

Introduction and Welcome



Dear Colleagues,

It is our great pleasure to welcome you to **the 7th International Meeting in Clinical Chemistry & Laboratory Medicine** and the **11th Annual Meeting of the Saudi Society for Clinical Chemistry (SSCC)**, taking place from **December 1–3, 2025**, Crown Plaza RDC, Riyadh.

This comprehensive event features a robust educational and scientific program, complemented by focused industry workshops. It has been approved for 18hr CME and strategically designed to meet the advanced professional development needs of laboratory professionals specializing in Clinical Chemistry, Toxicology, Laboratory Leadership, Laboratory Management, and Clinical Chemistry Board Programs.

The scientific agenda features leading experts from the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC), the United States, Ireland, Lebanon, Turkey, the Middle East, and Saudi Arabia, who will share the latest research, innovations, and best practices. Attendees will have a unique opportunity to listen to, network with, and learn from experts and peers in the field.

The program highlights include:

- Pre-conference workshops on Newborn Screening and Metabolic Disorders, Diagnostic Toxicology, and Point-of-Care Testing.
- Keynote presentations covering critical updates in quality control, quality indicators, and diabetic management.
- Dedicated sessions for Young Scientists and poster presentations.
- Industry workshops showcasing the newest technologies.

This meeting serves as a vital platform for knowledge sharing and collaboration, enabling laboratory workers to advance their professional capabilities and develop practical solutions for daily laboratory practice.

On behalf of the SSCC, we extend our sincere gratitude to the Saudi Commission for Health Specialties, our esteemed speakers, moderators, and all participating sponsors for their essential contributions.

We wish you a highly successful and productive meeting.

Prof. Anwar Al Borai

Prof. Anwar Al Borai
SSCC President

Introduction and Welcome



We are delighted to welcome you at **the SSCC 7th International Meeting in Clinical Chemistry** & **Laboratory Medicine and the 11th Annual Meeting** in Riyadh from **December 1-3, 2025.**

The scientific committee for the conference is eager to create a stimulating scientific agenda that covers the most important trends and innovations in laboratory clinical chemistry and patient care. The fundamental goal of the conference has been to enhance medical knowledge in clinical chemistry through a carefully structured system of scientific education.

The scientific committee worked hard to create an amazing, challenging and inspiring program. A scientific program addressing the present and future developments in clinical chemistry, emerging Lab technologies, updated diagnostic technologies, discussion of health issues, and contemporary quality applications. Attendees will enjoy an amazing scientific program.

The titles and speakers of the sessions are displayed and will cover the themes of; Newborn screening/Metabolic Disorders, Diagnostic Toxicology, Updates in Point of Care Testing (POCT), Artificial Intelligence in Clinical Laboratories, Lab Accreditation, Population Health Management, New Biochemical Markers, Updates in the Preanalytical Phase, and Updates in Clinical Laboratory.

The conference will provide the attendees opportunity to make significant improvements, refresh their scientific knowledge with excellent experience, and build new personal ties within the area and the world via sharing of experiences, information, and skills.

Also, the conference will promote the development of clinical chemistry and laboratory medicine. We sincerely hope you will have the opportunity to exchange experiences, to network, and to participate in the most cutting-edge research in clinical laboratory medicine.

All our international and national participants attending our conference will undoubtedly have a rewarding and memorable experience.

Dr. Salam Saadeddin

Dr. Salam Saadeddin
Chairman of the Scientific Committee

Scientific Committee



Chairman

Dr. Salam Saadeddin

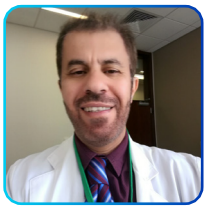
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Prof. Anwar Al Borai



Dr. Ola Elgaddar



Dr. Waleed Altamimi



Dr. Duaa Alahdal



Dr. Zaed Asiri

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Dr. Amani Gusti



Dr. Ola Elgaddar



Prof. Anwar Al Borai



Dr. Duaa Alahdal

Poster Review Committee



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Dr. Abdullah Almeshari



Mr. Ali Alhamad



Ms. Maha Alayda



Ms. Teresita Rauto

7th International Meeting on Clinical Chemistry and Laboratory Medicine

DAY 1
Pre-Conference Workshop

1st December
Monday, 2025

08:00 am – 9:00 am — Registration

Session #1 – Newborn screening/Metabolic Disorders

Moderator  Dr. Ali Al Othaim

09:00 am – 09:20 am	Next-generation metabolic screening (NGMS)	 **Dr. Ahmed Al Faris** KFSH & RC – Riyadh
09:20 am – 09:40 am	Newborn Screening of Lysosomal Storage Disorders: Advances in DBS-Based Biomarkers	 **Dr. Abdullah Al Shehry** KFMC – Riyadh
09:40 am – 10:00 am	Irish perspective and international comparison of NBS program	 **Prof. Mohammed Elsammak** NNBLS – Ireland
10:00 am – 10:10 am	Panel Discussion	
10:10 am – 10:25 am	Coffee Break	
10:25 am – 10:45 am	Organic Acid Analysis in Urine Samples by Different Methods	 **Dr. Abdulrafiq Khan** MNGHA – Riyadh
10:45 am – 11:05 am	Next Generation Sequencing Versus Biochemical Testing: An integrated approach	 **Dr. Siham Al Amir** MNGHA – Jeddah
11:05 am – 11:25 am	Questions and Answers	
11:25 am – 12:40 pm	Lunch and Prayers	

Session #2 – Diagnostic Toxicology

Moderator  Dr. Ahmed Al-Asmari &  Dr. Saif Al Harthi

12:40 pm – 01:00 pm	The Clinical and Diagnostic Implications of PFAS Exposure in Healthcare Setting: A Focus on Biomonitoring and Patient Management	 **Dr. Saif Al Harthi** KAU – Jeddah
01:00 pm – 01:20 pm	Direct Analysis in Real Time (DART) Application in Forensic Toxicology	 **Dr. Torki Zughaibi** KAU – Jeddah
01:20 pm – 01:40 pm	Applications of High-Resolution Mass Spectrometry in Non-Targeted and Targeted Analysis	 **Dr. Ahmed Al-Asmari** KFSH – Riyadh
01:40 pm – 02:00 pm	Accreditation in Workplace Drug Testing: Ensuring Excellence in Forensic Toxicology Practices	 **Ms. Salma Alsayed** PMBAH – AL Madinah AL Munawwarah
02:00 pm – 02:10 pm	Questions and Answers	
02:10 pm – 02:25 pm	Coffee Break	

DAY 1
Pre-Conference Workshop

1st December
Monday, 2025

Session #3 – Updates in Point of Care Testing (POCT)

Moderator  Dr. Malak Almashali &  Dr. Duaa Al Ahdal

02:25 pm – 02:45 pm	How Point- of- care testing can Bridge the Disparity Gap in Health Care		**Prof. Adil Khan** Temple University – USA
02:45 pm – 03:05 pm	Transforming POCT Workflow Through Smart Connectivity		**Mr. George Saad Roman** Siemens
03:05 pm – 03:25 pm	Development of POCT for New and Emerging Infectious Diseases		**Dr. Sultan Al Hammadi** KFMC – Riyadh
03:25 pm – 03:45 pm	Clinical Utilization of POCT-PLGF in Preeclampsia		**Dr. Duaa Al Ahdal** KAAUH – Riyadh
03:45 pm – 04:05 pm	POCT implementation targets and challenges		**Dr. Christian Haddad** AFCB – Lebanon
04:05 pm – 04:15 pm	Questions and Answers		

7th International Meeting on Clinical Chemistry and Laboratory Medicine

DAY 2 CONFERENCE

2nd December Tuesday, 2025

08:00 am – 9:00 am — Registration

Session #4 – Artificial Intelligence in Clinical Laboratories

Moderator: Dr. Ola Elgaddar & Dr. Amani Gusti

09:00 am – 09:20 am	The growing role of AI in the clinical laboratory	Dr. Laila AbdelWareth, NRL – UAE
09:20 am – 09:40 am	Lab Medicine and ChatGPT: Reliability Trust Debate	Dr. Ola Elgaddar, FCG – KSA
09:40 am – 10:00 am	Machine Learning for Enhancing Quality in Laboratory Testing: Towards a Smarter and More Reliable Lab	Dr. Amani Gusti, KFAFH – Jeddah
10:00 am – 10:20 am	Data to Diagnostics: The AI-powered Clinical Chemistry	Prof. Adil Khan, Temple University – USA
10:20 am – 10:30 am	Questions and Answers	
10:30 am – 10:45 am	Coffee Break	

Session #5 – Opening Session

Moderator: Dr. Abdullah Al Meshari

10:45 am - 10:50 am	Introductory Remarks	Prof. Anwar Al Borai, President – SSCC
10:50 am - 10:55 am	Arab Federation of Clinical Biology Remarks	Dr. Christian Haddad, President – AFCB
10:55 am – 11:40 am	Keynote lecture “Measurement Uncertainty: A Unifying Tool for Laboratory Harmonization”	Prof. Abdurrahman Coskun, IFCC – Turky
11:40 am – 11:45 am	Questions and Answers	

Session #6 – Young investigator Presentations

Moderator: Dr. Khaled Al Harbi & Dr. Abdulrahman Al Suliman

Evaluators: Prof. Mohammed Elsammak & Prof. Suhad Bahijri

11:45 am – 12:00 pm	Interference of Thyroglobulin Antibodies with Thyroglobulin Levels by Immunoassay in Patients with Thyroid Cancer	Sarah Aljunidel, MNGHA – Riyadh
12:00 pm – 12:15 pm	Optimization and Validation of Delta Check in the Auto-Verification at King Fahad Medical City	Hadi Kuriri, KFMC – Riyadh
12:15 pm – 12:30 pm	Comparative In-Silico Docking and ADME Profiling of Vitamin D And Its Analogs with Key Metabolic Proteins	Alfaf Albar, KAU – Jeddah
12:30 pm – 01:30 pm	Lunch and Prayers	

7th International Meeting on Clinical Chemistry and Laboratory Medicine

DAY 2 CONFERENCE

2nd December Tuesday, 2025

Session #7 – Lab Accreditation

Moderator  Dr. Nashat Nafouri &  Dr. Zaed Asiri

01:30 pm – 01:50 pm	Quality Management System	 **Prof. Fuad Al Dayel** KFSH – Riyadh
01:50 pm – 02:10 pm	Fundamental Principles Elevate the Laboratory to a new level of quality	 **Mr. Mohammed Al Ghamdi** SAC – Riyadh
02:10 pm – 02:30 pm	SCFHS Program Accreditation	 **Dr. Sultan Al Enezi** SCFHS – Riyadh
02:30 pm – 02:50 pm	Questions and Answers	
02:50 pm – 03:00 pm	Coffee Break & Prayer	

Session #8 – Industrial

Moderator  Dr. Ali Shangiti

03:00 pm – 03:20pm	Revolutionizing Diagnostics: The New Era of Clinical Chemistry & Immunoassay solutions	 **Mr. Ahmed Shehata** BECKMAN COULTER
03:20 pm – 03:40 pm	How to improve patient care by AI in the lab	 **Dr. Yaser Al Shaikh** ABBOTT
03:40 pm – 04:00 pm	Cobas Mass Spec - Enter a new dimension in Mass Spectrometry	 **Dr. Moner Ragas** ROCHE
04:00 pm – 04:20 pm	Emergency department Preanalytical challenges	 **Ms. Ipek Cinaroglu** BD
04:20 pm – 04:40 pm	Biomarkers in Renal Health: A New Era in CKD Management	 **Mr. Ahmed Elbarbary** Siemens
04:40 pm – 05:00 pm	Questions and Answers	
08:00 am – 05:00 pm	Visiting Exhibition & Poster Viewing	

Poster presenters will be available from 01:30 pm to 02:00 pm to answer questions related to their posters.

7th International Meeting on Clinical Chemistry and Laboratory Medicine

DAY 3 CONFERENCE

3rd December Wednesday, 2025

08:00 am – 9:00 am — Registration

Session #9 – Population Health Management

Moderator  Dr. Abdulhadi Bema

09:00 am – 09:20 am — Precision Prevention: Multi-Omics Screening of Chronic Diseases at the Population Level

Dr. Saud Al Dubayan
Enigma Genomics – Dammam

09:20 am – 09:40 am — 2030 Vision Regarding Laboratory Medicine

Dr. Manar Samman
MOH – HSSH – Riyadh

09:40 am – 10:00 am — Healthcare Provider Accreditation by Council of Health Insurance

Dr. Mohammed Habbab
CHI – Riyadh

10:00 am – 10:20 am — Type I Diabetes Screening: Benefit or Burden

Dr. Hisham Shamas
Delta Medical Laboratories

10:20 am – 10:30 am — Questions and Answers

10:30 am – 10:40 am — Coffee Break

Session #10 – Keynote Lecture (2)

Moderator  Prof. Waleed Al Tamimi

10:40 am – 11:25 am — Keynote lecture (2):
Diabetic Management from Clinician Perspective

Dr. Raed Aldahash
MNGHA – Riyadh

11:25 am – 11:30 am — Questions and Answers

Session #11 – New Biochemical Markers

Moderator  Dr. Waleed Al Omaim

11:30 am – 11:50 am — Traumatic Brain Injury Biomarkers

Dr. Nourah Alkhaldi
KFMMC – Dharan

11:50 am – 12:10 pm — Beyond LDL: Unmasking the Atherogenic Power of Lipoprotein(a)

Dr. Sumayah Aljenedil
KFSH – Riyadh

12:10 pm – 12:30 pm — Innovative Aβ1-42 Detection: Aptamer-Based Electrochemical Technology for Alzheimer's

Dr. Zaed Asiri
MSD – Riyadh

12:30 pm – 12:35 pm — Questions and Answers

12:35 pm – 01:35 pm — Lunch and Prayers

7th International Meeting on Clinical Chemistry and Laboratory Medicine

DAY 3 CONFERENCE

3rd December Wednesday, 2025

Session #12 – Updates in the Preanalytical Phase

Moderator  Prof. Waleed Al Tamimi

01:35 pm – 01:55 pm	Preanalytical Variables in Coagulation Tests	 **Dr. Myrna Germanos** AFCB – Lebanon
01:55 pm – 02:15 pm	Preanalytical Factors Affecting Common Biochemical Assays: an overview	 **Dr. Nafilah Al Riyami** SQUH – Oman
02:15 pm – 02:35 pm	Digitalizing Pre Analytical to Enhance Efficiency and Sample Traceability for Clinical Lab Excellence	 **Mr. Abobaker Yagoot** MNGHA – Jeddah
02:35 pm – 02:40 pm	Questions and Answers	
02:40 pm – 03:00 pm	Coffee Break & Prayer	
08:00 am – 04:00 pm	Visiting Exhibition & Poster Viewing	

Poster presenters will be available from 01:30 pm to 02:00 pm to answer questions related to their posters.

Session #13 – Updates in Clinical Laboratory

Moderator  Dr. Myrna Germanos

03:00 pm – 03:20 pm	Low ALP: A Silent Signal of Hypophosphatasia	 **Prof. Mohammed Almanaee** MNGH – Riyadh
03:20 pm – 03:40 pm	Achieving Sustainability Through Automation	 **Prof. Rana Hasanato** KSU – Riyadh
03:40 pm – 04:00 pm	When Fat Matters: How Obesity Alters Lab Results	 **Dr. Abdulhadi Bema** KAU – Jeddah
04:00 pm – 04:05 pm	Questions and Answers	

Session #14 – General Events

Moderator  Dr. Salam Saadeddin &  Dr. Ali Al Othaim

04:05 pm – 04:20 pm	General Assembly	 **Prof. Anwar Al Borai** SSCC, President
04:20 pm – 04:35 pm	Awards Presentation	 **Dr. Salam Saadeddin** SSCC, Chairman of the Scientific committee
04:35 pm – 04:40 pm	Lucky Draw for Attendees	**Panel members**
04:40 pm – 04:50 pm	Sponsor Appreciation	 **Dr. Ali Shangiti** SSCC, Chairman Corporate Taskforce Committee
04:50 pm – 05:00 pm	Closing	 **Prof. Anwar Al Borai** SSCC, President

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