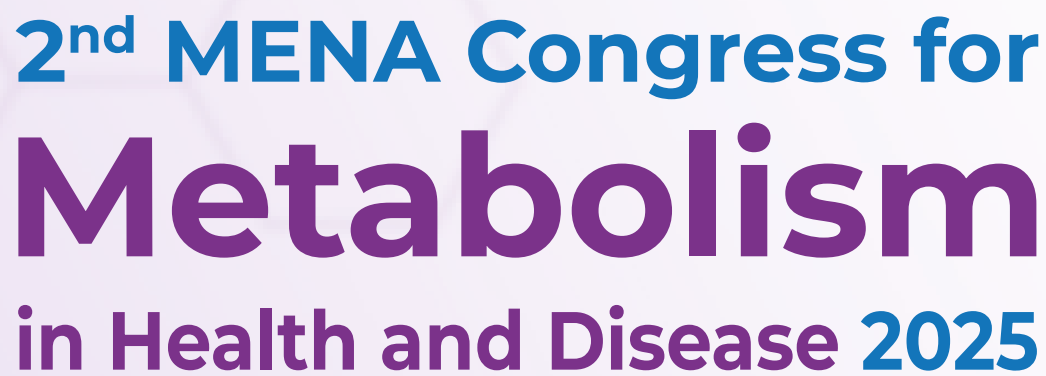




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The 1st MENA Congress for Metabolism in Health and Disease 2024, 15-16 November 2024, Dubai, UAE, was the first regional conference that is fully devoted and centered around metabolism, as a hallmark of both health and disease. The first edition was very successful with more than 30 speakers, including 7 international experts, and more than 200 participants with more than 25% coming from other countries. Various topics related to metabolism in health and diseases were discussed with more than 95% of attendees giving above-average evaluation for the presentations.

The 2nd MENA Congress for Metabolism in Health and Disease 2025, Dubai, 17-18 October 2025 will continue to be the largest regional event centered on metabolism in diseases and wellness. The coming meeting will be larger with more than 30 speakers discussing more variable topics related to metabolism. More than 300 participants are expected to attend.

Metabolism is a fundamental aspect of human biology, influencing and being influenced by a myriad of factors. It serves as the cornerstone for understanding health and disease. Understanding the impact of metabolic processes on the natural course of human physiology and the effect of metabolic alterations on various health outcomes is essential in providing the proper management and care for various diseases including diabetes and other endocrine disorders, cardiovascular diseases, hepatic and renal disorders, and neurological diseases. Obesity and the relationship between diet and nutrition highlight the diverse and complex interlink between different metabolic pathways.

The role of the microbiome in health and disease and the effects of lifestyle factors such as exercise, sleep, and stress further underscore the importance of a holistic approach to metabolic health. Inborn errors of metabolism reveal the genetic and cellular underpinnings of metabolism, while aging and rejuvenation are emerging as key pillars for understanding the temporal dynamics of metabolic processes. The environmental impact on metabolism and the consequences of substance use and abuse also extend our awareness to the multitude of risk factors that can impact human health.

This conference will continue to serve as a unique platform for obtaining the most updated knowledge, exchanging experience, establishing networks and collaborations, and inspiring innovative research in the fields of metabolism and metabolic diseases ultimately contributing to better health outcomes. We look forward to seeing you among us at the 2nd MENA Congress for Metabolism in Health and Disease, Dubai, 17-18 October 2025.

Prof. Mahir Al-Hilali

President, 2nd MENA Congress for Metabolism in Health and Disease
Consultant Hematology and Laboratory Medicine, Medical Director
of Mediclinic Precise, and Director of Laboratory Services, Mediclinic
Middle East

Adjunct Clinical Professor of Laboratory Medicine, Mohammed Bin
Rashid University of Medicine and Health Sciences, Dubai, UAE



2nd MENA Congress for
Metabolism
in Health and Disease 2025
17-18 October 2025, Dubai, United Arab Emirates

CONGRESS PRESIDENT



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of Mediclinic Precise, and Director of Laboratory Services, Mediclinic
Middle East

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SCIENTIFIC COMMITTEE



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Professor, College of Medicine, University of Sharjah, Sharjah

Founder and President, MENA Organization for Rare Diseases, UAE



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Clinical Professor, Khalifa University, Abu Dhabi, UAE



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Prof. Salah Abusnana

Consultant and Director of Diabetes and Endocrine Center, University Hospital Sharjah
Professor, Director of Diabetes Center, and Program Director of Master in Diabetes Management and Deputy Chair, Clinical Science Department, College of Medicine, University of Sharjah, Sharjah, UAE

INTERNATIONAL SPEAKERS



Dr. Akeel Mithani

CEO, Tilde Sciences, Jersey City, New Jersey, USA



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Adjunct Professor Pediatric Neurology, Alfaisal University, Riyadh, Saudi Arabia
Professor of Pediatric Neurology, University of Sousse, Sousse, Tunisia



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Dr. Sabah Ali

Specialist in Public Health Medicine, King's College Hospital, London, United Kingdom



Dr. Sara Beleil

Consultant Psychiatrist, Priory Group, London, United Kingdom



Ms. Taleen Afeyan

Senior Director, Strategy and Operations, Alltrna, Cambridge, Massachusetts, USA



Prof. Tawfeg Ben-Omran

Division Chief, Genetic and Genomic Medicine, Sidra Medicine
Senior Consultant, Medical Genetic Department, Hamad Medical Corporation
Professor, Weill Cornell Medical College, Doha, Qatar

UAE-BASED SPEAKERS



Dr. Ahmed Shehata

Head of Product Management, Middle East and Africa, Beckman Coulter, Dubai, UAE



Dr. Ali Abdelhafeez

Specialist Clinical Pathology, Mediclinic Al Noor Hospital, Abu Dhabi, UAE



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Medical Director UNILABS Global Genetics Business Unit and Medical Director Middle East Cluster, Dubai, UAE



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Consultant and Head of Department Clinical Molecular Genetics and Precision Medicine, Mediclinic Middle East Hospitals, Dubai, UAE



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Professor, College of Medicine, University of Sharjah, Sharjah
Founder and President, MENA Organization for Rare Diseases, UAE



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Specialist in Nephrology, Mediclinic City Hospital, Dubai, UAE



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Clinical Assistant Professor of Cardiology, Brown University Warren Alpert School of Medicine, Rhode Island, USA



Prof. Hassan El-Tamimi

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Professor, Cardiovascular Medicine and Faculty Lead, Internal Medicine, Mohammed Bin Rashid University of Medicine and Health Sciences, Dubai, UAE



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Product Manager, Core Lab Solutions, Roche Diagnostics, Dubai, UAE



Dr. Jayesh Desmukh

Medical and Scientific Affairs Lead, Roche Diagnostics Middle East, Dubai, UAE



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Hepatogastroenterologist, Digestive Endoscopist, and Clinical Innovative Microbiomologist, Dr. Kayasseh Microbiome Medicine Center, Dr. Kayasseh Medical Clinic, Dubai, UAE



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Clinical Professor, Khalifa University, Abu Dhabi, UAE



Dr. Mohamed Mahmoud

Specialist Clinical Pathology and Division Head, Molecular Biology and Microbiome Sequencing Laboratories, Mediclinic Middle East, UAE

Associate Professor of Clinical Pathology, Assiut University, Assiut, Egypt



Dr. Mourad Kirollos

Consultant Family Medicine, Cleveland Clinic, Abu Dhabi, UAE



Dr. Nasr Al-Jafari

Medical Director, DNA Health and Wellness Clinic, Dubai, UAE



Dr. Rahila Bhatti

Consultant Endocrinology, Genesis Healthcare Center, Dubai

Adjunct Clinical Assistant Professor, University of Sharjah, Sharjah, UAE



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University of Medicine and Health Sciences, Dubai, UAE



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Professor, Director of Diabetes Center, and Program Director of Master
in Diabetes Management and Deputy Chair, Clinical Science Department,
College of Medicine, University of Sharjah, Sharjah, UAE



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University of Medicine and Health Sciences, Dubai, UAE



Dr. Shabari Patkar

Consultant Family Medicine, Mediclinic City Hospital, Dubai, UAE



Prof. Tarek Mahdi

Consultant General Surgery, University Hospital Sharjah, Sharjah, UAE



Dr. Usama Warshow

Consultant Gastroenterology and Hepatology, Mediclinic City
Hospital
Adjunct Associate Professor of Gastroenterology, Mohammed Bin
Rashid University of Medicine and Health Sciences, Dubai, UAE

AGENDA

Day 1: Friday 17 October 2025

Obesity Challenges: Do We Have All The Answers

Chairperson: Prof. Salah Abusnana

08:30 AM - 09:00 AM	Expanding the boundaries of therapeutics: game changing evidence. The role of Semaglutide and Tirzepatide in OSA, OA and MASH Speaker: Prof. Salah Abusnana
09:00 AM - 09:30 AM	Navigating liver challenges in cardiometabolic health: integrating modern therapies Speaker: Dr. Rahila Bhatti
09:30 AM - 10:00 AM	Bariatric surgery metabolic outcome Speaker: Prof. Tarek Mahdi
10:00 AM - 10:30 AM	Panel discussion

10:30 AM - 11:00 AM — Coffee Break

Cardiovascular and Endocrine Diseases

Chairperson: Prof. Hassan El-Tamimi

11:00 AM - 11:20 AM	Obesity and cardiovascular disease Speaker: Prof. Hassan El-Tamimi
11:25 AM - 11:45 AM	The new era of immunoassay: precision, speed, and cardiac insight with dxl 9000 Speaker: Dr. Ahmed Shehata
11:50 AM - 12:10 PM	Pathogenesis and diagnostic advances in cardiovascular kidney metabolic syndrome Speaker: Dr. Hani Sabbour
12:15 PM - 12:35 PM	Metabolic heterogeneity of type 2 diabetes Speaker: Prof. Riad Bayoumi
12:40 PM - 01:00 PM	Cardiovascular and metabolic risk in the renal transplant population Speaker: Prof. Ramzi Ayache

01:00 PM - 02:00 PM — Lunch Break

Renal and Hepatic Diseases

Chairperson: Prof. Mohamad Miqdady

02:00 PM - 02:20 PM	The metabolic effects of diabetes on renal diseases Speaker: Dr. Eliane Younes
02:20 PM - 02:40 PM	Bile acid transport defects Speaker: Prof. Mohamad Miqdady
02:40 PM - 03:00 PM	Redefining fatty liver disease: the laboratory biomarkers role in the NAFLD/MAFLD debate Speaker: Dr. Ali Bayoumi
03:00 PM - 03:20 PM	Novel metabolic pathways and therapeutic targets in MASLD (metabolic dysfunction associated steatotic liver disease) Speaker: Dr. Usama Warshow

Inborn Errors of Metabolism

03:20 PM - 03:40 PM	Developing tRNA medicines to treat liver stop codon disease Speaker: Ms. Taleen Afeyan
03:40 PM - 04:00 PM	Update on genomic newborn screening for treatable inherited metabolic disorders Speaker: Prof. Tawfeg Ben-Omran

04:00 PM - 04:30 PM — Coffee Break

Neurometabolic Diseases

Chairperson: Prof. Brahim Tabarki Melaiki

04:30 PM - 04:50 PM	From complexity to simplicity: the rise of blood biomarkers in alzheimer's disease Speakers: Dr. Jayesh Desmukh Mrs. Husniye Sahin
04:50 PM - 05:10 PM	Congenital disorders of autophagy: an emerging class of inborn errors of neuro-metabolism Speaker: Prof. Brahim Tabarki Melaiki
05:10 PM - 05:30 PM	Advancing access and adherence for biotin-thiamine-responsive basal ganglia disease Speaker: Dr. Akeel Mithani
05:30 PM - 05:50 PM	Advanced approach to diagnosis and treatment of inborn neurometabolic disorders Speaker: Prof. Tawfeg Ben-Omran
05:50 PM - 06:10 PM	Precision medicine and management options for neurometabolic disorders Speaker: Dr. Anwar Baban

Day 2: Saturday 18 October 2025

Nutrition and Obesity

Chairperson: Prof. Safwan Taha

08:30 AM - 08:50 AM	Bariatric surgery for extreme obesity Speaker: Prof. Safwan Taha
08:55 AM - 09:15 AM	Advances in understanding weight loss and metabolic health: a clinical and mechanistic review Speaker: Dr. Sara El Ghandour

Microbiome and Metagenomics

Chairperson: Prof. M. Azzam Kayasseh

09:20 AM - 09:40 AM	Clinical translational innovative microbiome platform in metabolic diseases Speaker: Prof. M. Azzam Kayasseh
09:45 AM - 10:05 AM	The microbiome revolution: unraveling metagenomics in metabolic health and disease Speaker: Dr. Mahmood Al Mashhadani
10:10 AM - 10:30 AM	The role of microbiome as a diagnostic tool in chronic diseases Speaker: Dr. Mohamed Mahmoud

10:30 AM - 11:00 AM — Coffee Break

Antiaging and Rejuvenation

Chairperson: Prof. Mahir Al-Hilali

11:00 AM - 11:20 AM	Metabolic aspects of aging and rejuvenation Speaker: Prof. Mahir Al-Hilali
11:20 AM - 11:40 AM	Biochemical pathways in antiaging: unlocking cellular rejuvenation Speaker: Dr. Ali Abdelhafeez
11:40 AM - 12:00 PM	Recent advances in fasting as an anti aging strategy Speaker: Dr. Sabah Ali

Impact of Lifestyle

12:00 PM - 12:20 PM	Fueling your vitality: the adrenal connection to lifestyle and health Speaker: Dr. Nasr Al-Jafari
12:20 PM - 12:40 PM	Stress in wellness Speaker: Dr. Shabari Patkar
12:40 PM - 01:00 PM	Metabolism considerations in the presentation and management of ADHD in women Speaker: Dr. Sara Beleil

01:00 PM - 02:00 PM — Lunch Break

Substance Abuse and Environment Effect on Metabolism

Chairperson: Dr. Najem Alfalahe

02:00 PM - 02:20 PM	Can addiction be treated? bridging science, metabolism, innovation, and compassion in health and disease Speaker: Dr. Najem Alfalahe
02:30 PM - 02:50 PM	New insights into the interplay between genes and environment in substance use disorder Speaker: Dr. Hamid Alhaj
03:00 PM - 03:20 PM	Interaction of environmental factors with biological systems Speaker: Prof. Ramzi Ayache
03:30 PM - 03:50 PM	Mast cell activation as a response to environmental factors Speaker: Dr. Mourad Kirollos



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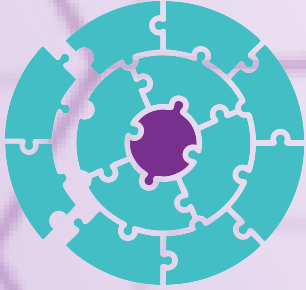
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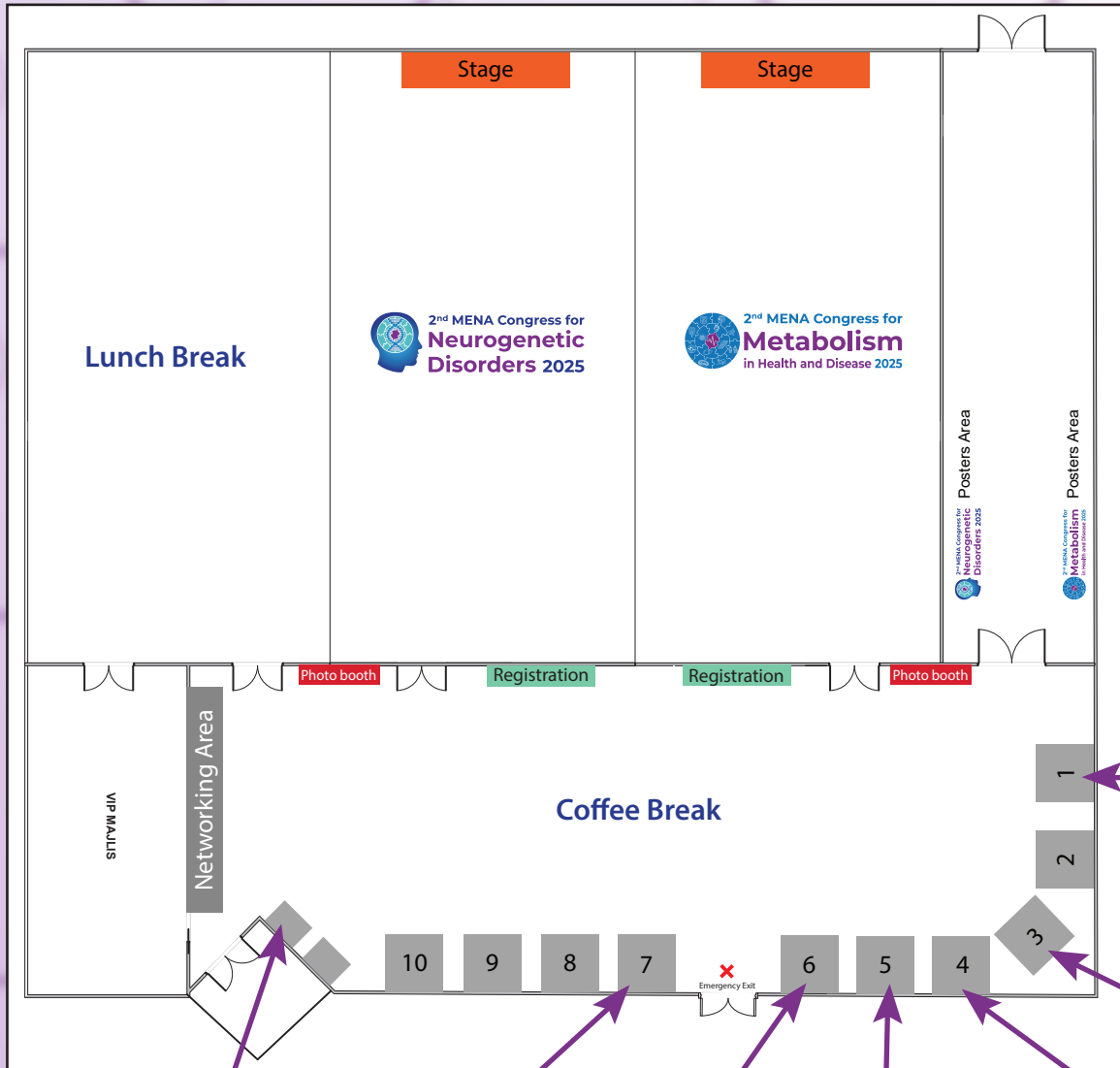


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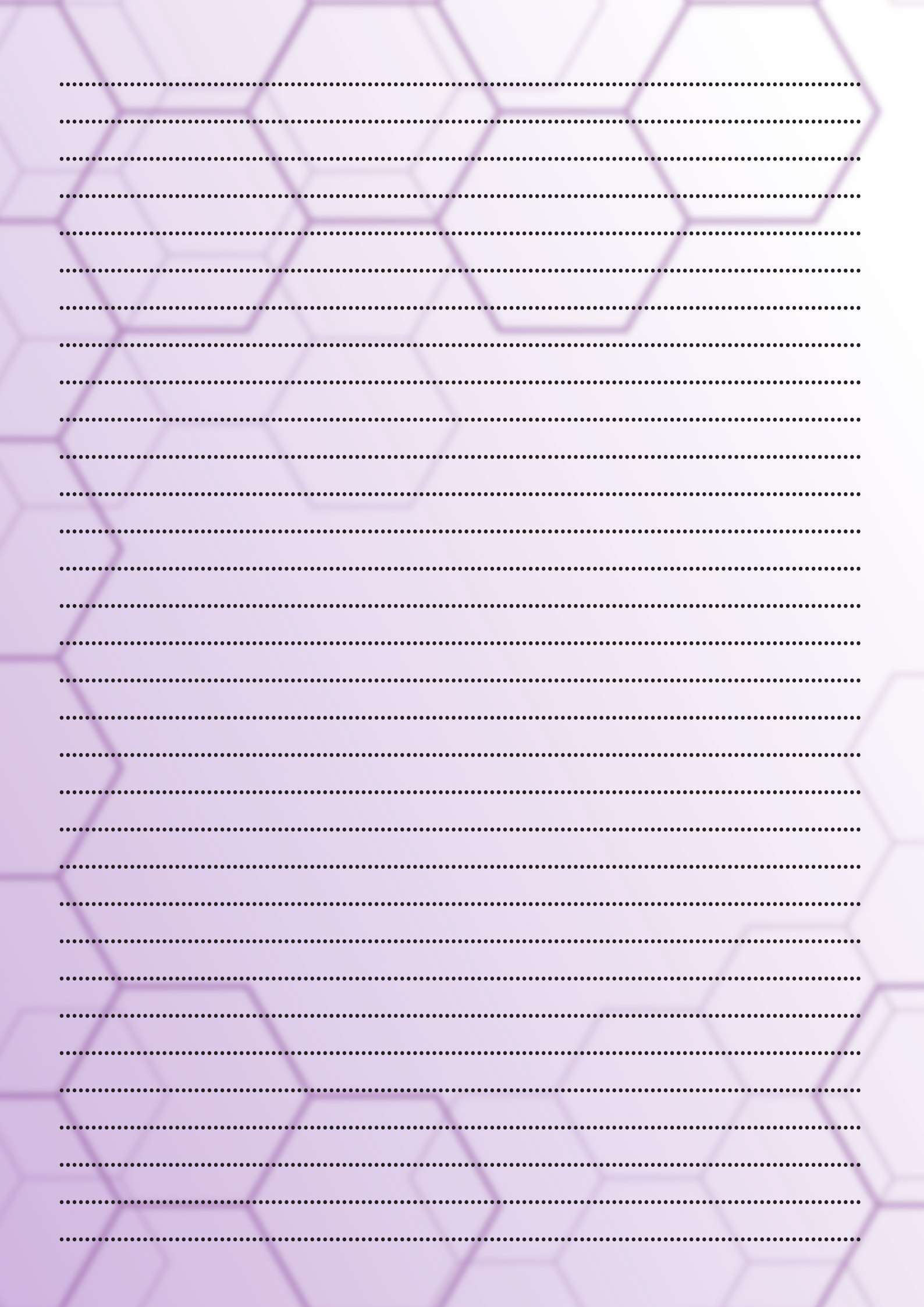
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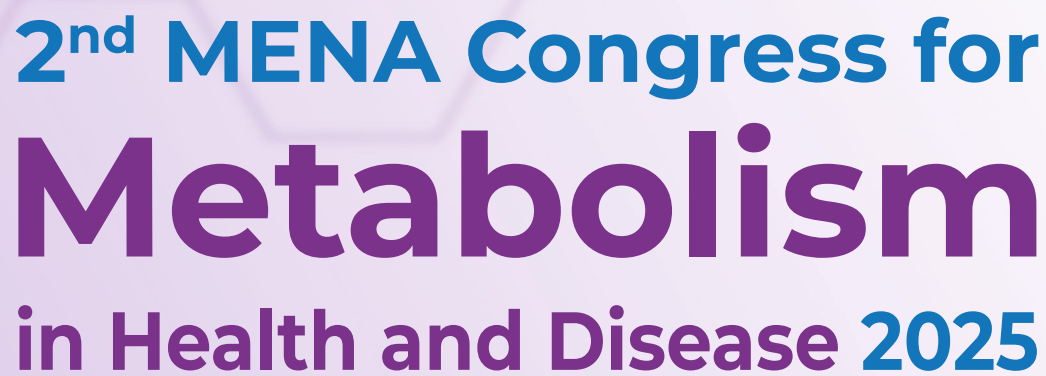


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FOR MORE INFORMATION PLEASE CONTACT:

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