AGENDA

1st International Middle East Genetic and Metabolic Academy (MEGMA) Symposium (Virtual Conference)

in collaboration with Saudi Society of Medical Genetics

4th – 6th Nov, 2020

(Saudi Time)

WEDNESDAY, 4th NOV. 2020

Time (Saudi Time)		Speaker
19:00 – 19:10	President of MEGMA speech	Prof. Sylvia Stockler
19:10 – 19:40	Inborn Errors of Metabolism: From personalized to individualized and precision of care medicine	Prof. Sylvia Stockler
19:40 -20:00	Discussion	
20:00 -20:30	Mucopysaccharidosis: an overview	Prof. Majid Alfadhel
20:30 – 21:00	Treatable Inborn Errors of Metabolism (IEMs) "AADC Deficiency As An Example"	Prof. Tawfeg Ben-Omran
21:00 – 21:30	Pompe Disease-Lesson for newborn screening	Dr. Fuad Almutairi
21:30 – 22:00	Gaucher Disease - Diagnosis & Management	Dr. Malak AlGhamdi

THURSDAY, 5th NOV 2020

	Session 1 **Biochemical Genetics (inborn errors of metabolism)**	
09:00 -09:25	MultiOmics in Clinical Environment: Biomarkers, Biochemistry and Whole Genome Sequencing	Prof. Peter Bauer
10:00 – 10 :40	Cytek Spectral Cytometry: Advancing Cancer and Cell Biology Research through Spectral flow cytometry Grundium Digital High Precision Imaging for Telepathology with the world's most Practical Microscope Scanners	Ola Taani
11:00– 11:40	Update on management of lysosomal storage disorders	Prof. Moeen AlSayed
11:40- 12:20	Update on mitochondrial disorders diagnosis and treatment	Dr. Aymen El-Hattab
12:20-13:00	Break	
13:00 – 13:40	Update on novel treatment for aminoacidopathies	Dr. Fuad Almutairi
13:40 – 14:20	Carnitine Inborn Errors of Metabolism	Dr. Mohammed Al Manna
	Session 2 **Epidemiology genetics update in Middle East**	
14:20 – 15:00	Update about most common Genetic disorders in UAE	Dr. Fatma al jasmi
15:00 – 15:40	Update on Genetic disorders in Kuwait	Dr. Nawal Makhseed
15:40– 16:20	Update about most common Genetic disorders in Oman	Dr. Khalid Althihli
16:20– 17:00	Update about most common Genetics disorders in Saudi Arabia	Prof. Zuhair Rahbeeni
17:00 – 17:40	Update about most common Genetic disorders in Qatar	Prof. Tawfeg Ben-Omran
17:40 – 18:00	Q&A	
18:00 – 18:30	Hyperphenylalaninemia: what you need to know?	Prof. Majid Alfadhel
18:30 – 19:30	Lysosomal Acid Lipase Deficiency(Wolman Disease)- overview and update on management.	Prof. Moeen AlSayed
19:30 – 20:00	MPS 2 overview, Diagnosis and disease manifestations	Dr. Amal Hashim

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FRIDAY, 6TH NOV 2020

	Session 3 **Clinical Genetics (Dysmorphology) update**	
13:00: -13:40	Rare Beget common	Prof. Bruno Reversade
13:40 – 14:20	Identifying facial phenotypes of genetic disorders using artificial intelligence	Dr. Abdulrahman Aljoui
14:20-15:00	Genetic causes of fetal akinesia	Dr. Eissa Faqieh
	Session 4 **Laboratory Genetics update**	
15:00 – 15:40	Epigenetics and chromatin disorders: an update	Dr. Saleh Alghamdi
15:40 – 16:20	Next generation sequencing (NGS) challenges and Opportunities	Prof. Majid Alfadhel
16:20 – 17:00	Update about new NGS technologies and genetic databases	Dr. Ahmed Alfares
17:00 – 17:40	CGH microarray, advantages, limitation, case scenarios	Prof. Mohammed Al Balwi
17:40 – 18:00	Best abstract presentation	
18:00 -18:30	**Closing remarks and awarding of best poster abstracts**	