



Conference Agenda

Day 1 — Friday, October 9, 2026

08:00 – 08:15	Registration		
08:15 – 08:30	Welcome remarks		Dr. Hind Al-Sharhan
Theme 1 — Precision Pediatrics: From Genomic Discovery to Clinical Practice			
Moderator: Dr. Dana Marafi			
08:30 – 08:55	The Multiomics Era: Unlocking rare disease one omic at a time	UAE	Dr. Samih Al-Qawlaq
08:55–09:00	Questions		
09:00–09:45	Opening Keynote: No child left behind: The promise of precision pediatrics	KSA	Prof. Fowzan Al-Kuraya
09:45–09:50	Questions		
09:50–10:15	Precision Medicine in Diabetes	KWT	Prof. Fahd Al-Mulla
10:15–10:20	Questions		
10:20–10:45	From Genome to Exposome: Advancing Precision Health in Kuwait	KWT	Dr. Hamad Yaseen
10:45–10:50	Questions		
10:50–11:15	A Decade of Novel Gene Discovery in Disabled Children Using Next Generation Sequencing	KSA	Prof. Majid Alfadhel
11:15–11:20	Questions		
11:20 –13:00	Jumaa/Dhuhr Prayer & Lunch		
Theme 2 — Genomics-Guided Care Across Pediatric Specialties			
Moderator: Dr. Mariam Ayed			
13:00– 13:25	Precision Genomics in Obesity: From Evidence to Care	KWT	Dr. Ahmad Al-Serri
13:25–13:30	Questions		
13:30– 13:55	Pioneering Precision Medicine in the Middle East: Implementing Novel Therapies for Rare Diseases	QTR	Prof. Tawfeg Ben Omran
13:55–14:00	Questions		
14:00–14:25	Precision Craniofacial Surgery: Integrating Genomics with Contemporary Surgical Care	USA	Dr. Jordan Swanson [CHOP]
14:25–14:30	Questions		



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14:30–14:55	The Morbid Primary Mitochondrial Diseases in the GCC: The Known and Unknown	KSA	Dr. Naif Al-Montashiri
14:55 – 15:00	Questions		
15:00 – 15:10	Asr/Prayer & Coffee		
Theme 3- Advancing Precision Diagnosis and Targeted Treatment Moderator: Prof. Dalia Al-Abdulrazzaq			
15:10–15:35	Precision Medicine for Rare Neurodegenerative Disorders: Lessons from Metachromatic Leukodystrophy	USA	Dr. Laura Adang (CHOP)
15:35 – 15:40	Questions		
15:40–16:05	The Evolving SMA Treatment Paradigm: Exploring High Dose Nusinersen	KWT	Dr. Sara Al-Enezi
16:05–16:10	Questions		
16:10–16:35	Familial Hyperlipidemia	KWT	Dr. Ahmad Al-Sarraf
16:35–16:40	Questions		
16:40–17:05	Insights from genomic sequencing in infants	USA	Dr. Taylor Wild (CHOP)
17:05–17:10	Questions		
17:10 –17:35	AI for Rare Diseases: From Diagnostics Odyssey to Precision Care	UAE	Prof. Fatma Al-Jasmi
17:35 –17:40	Questions		
17:40 – 17:50	Maghreb Prayer & Coffee		
Theme 4- Multisystem Genetic Disorders: Comprehensive Care and Emerging Therapies Moderator: Dr. Buthaina Bash			
17:50 –18:20	Systemic and Neurological Manifestation of Gaucher disease	KWT	Dr. Rasha Al-Safi
18:20 –18:45	From Pediatric Clinic to Dental Chair: Precision Care for Children with Genetic Disorders	KWT	Dr. Hessah Al-Bader
18:45 – 18:50	Questions		
18:50 – 19:15	From Genetic Diagnosis to Brain Targeted Therapy in MPSII: A Precision Medicine Approach	BRA	Dr. Carolina Fischinger
19:15 – 19:20	Lucky draw		
19:20 –19:45	Theme 5 — Research and Innovation: Poster Walk and Industry Showcase		
Poster Walk & Industry Showcase			



Conference Agenda

Day 2 — Saturday, October 10, 2026

08:00–08:30 Registration

Theme 1 — Enabling Precision Care: Genomic Technologies and Clinical Applications

Moderator: Dr. Sadoun Bin-Hasan

08:30–08:55 Beyond short reads: multi-omics and functional genomics UAE Dr. Ahmad Abou Tayoun

08:55 – 09:00 Questions

09:00–09:25 Cloud Data storage and computing - capabilities and regional experience KWT Dr. Dari Al-Huwail

09:25–09:30 Questions

09:30–09:55 When hearing loss tells a bigger story (Alpha-Mannosidosis & Lamzedé) BAH Dr. Zahra El-Sahlawy

09:55 -10:00 Questions

10:00–10:10 Coffee Break

Theme 2 — Integrating Genomics into Healthcare: Digital Platforms, Rapid Diagnostics and Screening

Moderator: Dr. Shaker Bahzad

10:10 – 10:35 Building the Digital Patient: KFSHRC Journey Through Genomics, Multi-Omics and AI KSA Prof. Ahmed Al-Fares

10:35 – 10:40 Questions

10:40 – 11:05 New Frontier Program & Intraoperative/Rapid Multi-omics Diagnostics for Pediatric Cancer USA Dr. Marilyn Li (CHOP)

11:05 – 11:10 Questions

11:10 – 11:35 Keynote: Citywide integration of genomic screening and early diagnostics programs UAE Dr. Ahmad Abou Tayoun

11:35 – 11:40 Questions

11:40 – 12:00 Dhuhr Prayer Break

12:00 – 14:00 Opening Ceremony & Lunch

Theme 3 — Prenatal Genetics: Multidisciplinary Care and Regional Experience

Moderator: Dr. Amal Khader Abdullah

14:00 – 14:25 Transforming Prenatal Care in Highly Inbred Population: Impact of Multidisciplinary Board Prof. Mohammed Al-Owain

14:25 – 14:30 Questions



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14:30 – 14:55 The Kuwaiti Experience in Prenatal Genetics: Data from Clinical Practice Dr. Ahmad Al-Ahmad

14:55 – 15:00 Questions

15:00 – 15:15 Asr/Prayer & Coffee

Theme 4- Therapeutic Frontiers: From In Utero Intervention to Metabolic Treatment

15:15 – 15:40 Technologies Enabling Genetic Medicine in Utero and Beyond USA Dr. Mohammed Gabriel Alameh (CHOP)

15:40 – 15:45 Questions

15:45 – 16:10 In Utero Gene Editing: A Future Therapy for Genetic Diseases USA Dr. Bill Peranteau (CHOP)

16:10 – 16:15 Questions

16:15 – 16:40 Triheptanoin in Long-Chain Fatty Acid Oxidation Disorders: Local Experience in Kuwait and Clinical Outcomes KWT Dr. Hind Al-Sharhan

16:40 – 16:45 Questions

Theme 5 — Advancing Rare Disease Care: Family Support, Transplantation and Cell Therapies

Moderator: Dr. Rasha Al-Safi

16:45 – 17:10 Undiagnosed Disease: Supporting families & planning overseas treatment USA Dr. Kate Sullivan (CHOP)

17:10 – 17:15 Questions

17:15 – 17:40 Precision Histocompatibility: NGS HLA Typing and Virtual Crossmatching as the Gateway to Curative Transplant and Cell Therapies for Children with Rare Diseases KUW Dr. Nada Al-Shatti

17:40 – 17:45 Questions

17:45 – 17:55 Maghreb Prayer & Coffee

Theme 6- Emerging Research in Precision Pediatrics: Best Abstracts

17:55 – 18:25 Best Abstracts Oral Session (Top 3 presentations) Winner Abstracts Presenters

18:25 – 18:30 Lucky draw

18:30 – 19:00 Celebrating Achievement and Looking Ahead Awards & Closing Remarks

19:00 Adjourn Conference