



Advances and Innovations in Medicine
The 42nd Annual AllMSonians of America Convention
August 1 -2, 2025
Caribe Orlando Resort & Convention Center
Orlando, Florida

Overall learning objectives:

The goal of the annual conference of the AllMSonians of America is to inform its members of the exciting discoveries and practice-changing advances in medical research and technology in every area of medicine and surgery. The 2025 conference will focus on advances in the areas of medicine with a specific focus on artificial intelligence in medicine, cardiology, lifestyle medicine, obesity, gut health, neurology/neurosurgery, rheumatology, targeted gene therapy and precision medicine and cancer care. *An additional focus will be on professional development and alternate career pathways and entrepreneurship.*

The 2025 annual Keswani Memorial Lecture will focus on the CME theme: **Global Data in Medicine**

The schedule lists speakers, topics, and specific conference objectives.

Convention objectives:

1. Developments in Medicine, Surgery, and Innovation

- Provide a comprehensive overview of transformative discoveries and innovations in medicine and surgery that enhance clinical practice and patient outcomes.
- Examine contemporary advancements in cardiology, encompassing prevention, intervention, and state-of-the-art technologies.
- Review significant developments in neurology and neurosurgery, particularly in diagnostic innovations and therapeutics.
- Discuss the evolution of treatment paradigms in rheumatology, focusing on targeted therapies
- Analyze breakthroughs in targeted gene therapy and multi-omics methodologies propelling the next era of personalized medicine.
- Present the most recent updates in oncology, emphasizing novel strategies for cancer prevention, early detection, and individualized treatment plans.

2. Artificial Intelligence, Big Data, and Global Innovation

- Elucidate the integration of artificial intelligence in medicine, focusing on its applications in diagnosis, treatment, clinical decision-making, and healthcare service delivery.
- Investigate the transformative impact of global health data in advancing clinical research, patient care, and

public health initiatives across diverse populations.

- Discuss methodologies for leveraging extensive real-world data and multinational clinical datasets to facilitate evidence-based decision-making, precision medicine, and health equity.
- Examine the ethical, regulatory, and technological challenges inherent in collecting, integrating, and applying global medical data.
- Highlight innovations in data science, artificial intelligence, and machine learning that enable global data synthesis into actionable insights for diagnostic purposes, treatment optimization, and enhancement of healthcare systems.

3. Lifestyle Medicine and Wellness

- Promote a thorough understanding of lifestyle medicine principles—including nutrition, physical activity, sleep hygiene, and stress management—in the prevention and management of chronic diseases, with a specific focus on obesity and metabolic health.
- Examine emerging insights into the role of gut health and its systemic implications for overall wellness and disease.
- Support physician well-being through discussions on mental health, burnout prevention, work-life balance strategies, and methods for sustaining both personal and professional well-being.

4. Professional Development and Alternative Career Pathways

- Encourage professional growth through sessions focused on career advancement, leadership development, financial wellness, and strategies for pursuing alternative career pathways beyond traditional clinical practice.
- Foster entrepreneurial thinking by featuring physician-led innovations, startup ventures, and the translation of medical expertise into successful endeavors within industry, digital health, and biotechnology sectors.

AIIMSONIANS OF AMERICA

190 Hartman Road, Newton, MA 02459

A nonprofit Alumni Association of

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, New Delhi 110029, INDIA

Day 1 (Friday, Aug 1st): Agenda

Time	Topic	Speaker	Objectives
7:00-7:45	Breakfast	meeting with the sponsors/ abstract viewing. Yoga session with Dr. Bijlani	
7:45–8:00	Welcome and Introductions	Sambit Mondal,MD Shveta Gupta, MD	Setting the stage for the meeting
Session 1 - HEALTHY LIVING			
8:00–8:20	Gut Health- pachan kriya	Saurabh Sethi, MD	Food choice for optimal gut health
8:20–8:40	Obesity Medicine - updates	Sriram Machineni, MD	updates on obesity medicine
8:40 - 9:00	Healthy lifestyle and Medicine	Nikhil Gupta, MD	Lifestyle choices for healthy living.
9:00–10:00	Health and wellness, mind body and soul	Ramesh Bijlani, MD	intersection of medicine and mindfulness
10:00-10:20	infant reflux and allergy in pediatrics	Kanika Aggarwal, MD	food allergies and acid reflux issues in pediatric population
10:20-10:45 Networking Break (TBD)			
Keswani Memorial Lecture			
10:45-10:50	Introduce Dr. Keswani, the lectureship and the awardee		
10:50-11:50	My Journey through the intersection of big data and Medicine - Atul Dhir, MD		
	LUNCH BREAK 12- 12:40		
Session 2 - artificial intelligence in Medicine			
12:50 -13:10	artificial intelligence in cardiovascular disease	Rohan Kheda, MD	health analytics in cardiovascular disease
13:10-13:30	Applications of AI in Critical care	Ankit Sakuja, MD	Next generation application of information in care of critically ill patients
13:30-13:50	Artificial intelligence and big pharma	Shveta Gupta, MD	
13:50-14:00	questions		
Session 3 - Cardiovascular Medicine			
14:00-14:20	Valvular heart disease	Nipun Arora, MD	Advances in structural heart disease- an eye on the future
14:20-14:40	Minimally invasive cardiothoracic surgery	Kaushik Mandal, MD	role of robotic surgery for mitral valve disease and arrhythmia management
14:40-15:00	Alternate device therapy applications in Electrophysiology	Rajesh Kabra, MD	Next generation device therapy applications for heart failure, bradycardia and sudden death

Day 2 (Saturday, Aug 2nd): Agenda

Time	Topic	Speaker	Objectives
7:00-7:55	breakfast	Meditation sessions with Dr. Bijlani	
7:55 – 8:00	Welcome and Introductions	Sambit Mondal, MD	Introductions
Session 4 - healthy mind healthy body			
8:00–8:20	Migraine Headaches	Sanjiv Sahoo, MD	current therapeutic options for a migraine headaches
8:20–8:40	dementia		
8:40–9:00	Back pain	Faiz Ahmad, MD	neurosurgical perspectives to Back pain
9:00–9:20	Dysautonomia		
09:20–09:40 Networking and Tea Break			
Session 5 - Precision Medicine			
09:40–10:00	Gene therapy in Sickel cell disease.	Ruchika Goel, MD	Targeted Gene therapy in Sickel cell disease
10:00-10:20	Multiple Myeloma	Shaji Kumar, MD	Targeted gene therapy in Multiple Myeloma
10:20 - 10:40	Omics in Cardiology Space		
10:40–11:00	Commercially available Wearable Technology and Medicine		
Knowledge Assessment Hour: Medical Jeopardy			
11:00-11:40	Medical Jeopardy and Let's Kahoot!!	Dr. Ruchika Goel Dr. Preet Paul Singh Dr. Sunil K Agarwal	Active CME and Kahoot game with questions
11:40 - 12:20 Lunch Break			
Session 6			
12:20-12:40			
12:40-13:00			
13:00-13:20			
13:20- 13:40			

--	--	--	--

Accreditation Statements



This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education *ACCME) through the joint providership of the Southern Illinois University School of Medicine and AIIMSonians of America. The SIU School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Physicians

The SIU School of Medicine designates this live activity for a maximum of 11.0 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Certificate of Attendance

All other attendees will receive a Certificate of Attendance.