الجمعية العمانية لطب القلب
OMAN HEART ASSOCIATION

18th Gulf Heart Association Conference



Conference Workshop

Friday, November 13, 2026
Meeting Room 8, OCEC, Muscat, Oman

AI Agents for Real-World Data: Clinical Decision Support and Analytics Insights in Cardiovascular Care.

This one-hour interactive workshop shows how AI agents working on real-world data can strengthen cardiovascular care in Oman, from population analytics to patient-specific decisions. The programme focuses on secondary prevention after acute myocardial infarction (AMI) and percutaneous coronary intervention (PCI) in patients with atherosclerotic cardiovascular disease (ASCVD).

The session moves through five steps. It opens with the national clinical challenges and opportunities in Oman. It then reviews post-AMI and post-PCI lipid-lowering and antithrombotic management and presents the design of the Post-AMI CARE Study, the first AI-native registry in Oman. A live eMed Care & Insights case follows, then a demonstration of AI-driven analytics on routine care data from health information systems such as Shifa. It closes with an open discussion on turning population insights into clinical action.

AGENDA

10:30-10:35	Advancing Cardiovascular Care in Oman: Clinical Challenges and New Opportunities	Najib Al Rawahi (Oman)
10:35-10:45	Post-AMI and Post-PCI Management in ASCVD: Challenges in Optimizing Lipid-Lowering and Antithrombotic Therapy. Post-AMI CARE Study Design as the First AI-Native Registry in Oman	Khalid Al Saidi (Oman)
10:45-11:00	AI-Assisted Clinical Decision Support for Post-PCI Patient Management: Insights & Care Live Case Demonstration	Denis Losik (UAE)
11:00-11:15	AI-Powered Analysis of Routine Clinical Data from Health Information Systems such as Shifa in Oman	Denis Losik (UAE)
11:15-11:30	Interactive Discussion: From Population Insights to Clinical Action	All Faculty

EDUCATIONAL OBJECTIVES

By the end of this session, participants will be able to:

- Describe the main clinical challenges and new opportunities in cardiovascular care in Oman, including gaps in secondary prevention after acute coronary events
- Recognize priority domains of secondary prevention after AMI and PCI: LDL-C target attainment, timely lipid-lowering intensification, and individualized antithrombotic strategy and DAPT duration based on ischaemic and bleeding risk.
- Explain the rationale and design of the Post-AMI CARE Study and the role of an AI-native registry in real-world data collection and quality assessment.
- Differentiate population-level analytics, configured registry dashboards and patient-specific clinical decision support, including their essential use boundaries.

TARGET AUDIENCE

Cardiologists; interventional cardiologists; internal medicine, family medicine, diabetes and obesity specialists; quality officers and managers.

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