



AMERICAN  
COLLEGE of  
CARDIOLOGY

# The Evolving Practice of Cardiovascular Precision Medicine

*Virtual*

**APRIL 16, 2021**

**COURSE DIRECTOR**

Regina Druz, MD, FACC

**COURSE CO-DIRECTOR**

Akl Fahed, MD, MPH

ACC Education   
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## FRIDAY, APRIL 16, 2021

All times are Eastern Standard Time

<b>10:00 a.m.</b>	<b>Welcome and Course Overview</b> <i>Dipti Itchhaporia, MD – ACC President</i> <i>Regina Druz, MD – Course Chair</i> <i>Akl Fahed, MD, MPH – Course Co-Chair</i>
<b>10:10 a.m.</b>	<b>Closing the Precision Medicine Divide</b> <i>Clyde W. Yancy, MD, MSc</i>
<b>10:40 a.m.</b>	<b>Break</b>
	<b>Genomic Medicine in Cardiovascular Disease Prevention and Management</b>
<b>10:45 a.m.</b>	<b>Polygenic Scores: Methods, Use Cases, and Limitations</b> <i>Themistocles (Tim) Assimes, MD, PhD</i>
<b>11:05 a.m.</b>	<b>Genomic Risk Predictions for Coronary Artery Disease</b> <i>Amit V. Khera, MD, MSc</i>
<b>11:15 a.m.</b>	<b>Pharmacogenomics</b> <i>Julie A. Johnson, PharmD</i>
<b>11:25 a.m.</b>	<b>Direct to Consumer Genomics</b> <i>Amy Curry Sturm, MS</i>
<b>11:35 a.m.</b>	<b>Panel Discussion</b> <i>Moderators: Akl Fahed, MD, MPH and Geoffrey Ginsburg, MD, PhD</i> <i>Panelists: Themistocles (Tim) Assimes, MD, PhD; Julie A. Johnson, PharmD; Amit V. Khera, MD; and Amy Curry Sturm, MS</i>
<b>11:50 a.m.</b>	<b>Break</b>
	<b>Machine Learning Applications in Cardiovascular Imaging</b>
<b>11:55 a.m.</b>	<b>What Is Artificial Intelligence/Machine Learning and How Will It Augment Cardiac Imaging?</b> <i>David Ouyang, MD</i>
<b>12:15 p.m.</b>	<b>Point-of-Care Ultrasound (POCUS)/Echocardiography</b> <i>Neil J. Weissman, MD</i>
<b>12:25 p.m.</b>	<b>Coronary Computed Tomography/Nuclear</b> <i>James K. Min, MD</i>
<b>12:35 p.m.</b>	<b>Cardiovascular Magnetic Resonance Imaging</b> <i>Michael Salerno, MD, PhD, MS</i>
<b>12:45 p.m.</b>	<b>Panel Discussion</b> <i>Moderator: Partho Sengupta, MD</i> <i>Panelists: James K. Min, MD; David Ouyang, MD; Micheal Salerno, MD, PhD, MS; Neil J. Weissman, MD; and Naveena Yanamala, PhD</i>
<b>1:00 p.m.</b>	<b>Break</b>

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	Integration of Digital Health Tools for Personalization of Cardiovascular Care
<b>1:05 p.m.</b>	<b>Real World Evidence and Digital Therapeutics</b> <i>Eric D. Perakslis, PhD, MS</i>
<b>1:25 p.m.</b>	<b>Wearable and Medical Devices</b> <i>Jacqueline Shreibati, MD, MS</i>
<b>1:35 p.m.</b>	<b>Integrating Remote Patient Monitoring into Clinical Practice</b> <i>John D. Halamka, MD, MS</i>
<b>1:45 p.m.</b>	<b>The Regulatory Environment</b> <i>Nikki Batista, MEng</i>
<b>1:55 p.m.</b>	<b>Panel Discussion</b> <i>Moderators: Regina Druz, MD and Evan Muse, MD, PhD</i> <i>Panelists: Nikki Batista, MEng; John D. Halamka, MD, MS; Eric D. Perakslis, PhD, MS; and Jacqueline Shreibati, MD, MS</i>
<b>2:15 p.m.</b>	<b>Wrap-Up</b>
<b>2:30 p.m.</b>	<b>Adjournment</b>

*\*This agenda is subject to change.*

Bonus On-Demand Content
<b>Genomic Medicine in Cardiovascular Disease Prevention and Management</b>
<b>Disclosing Genomic Results to Patients</b> <i>Catherine A. Wicklund, MS</i>
<b>How to Set Up a Preventive Genomics Clinic</b> <i>Svati Shah, MD, MS, MHS</i>
<b>Online Resources for Personalized Genomics for the General Cardiologist</b> <i>Ali Torkamani, PhD</i>
<b>Rare and Common Genomic Variation in Cardiomyopathies and Heart Rhythm Disorders</b> <i>Carolyn Ho, MD</i>
<b>Machine Learning Applications in Cardiovascular Imaging</b>
<b>Machine Learning: The Checklist for Success Made Easy</b> <i>Naveena Yanamala, PhD</i>
<b>Integration of Digital Health Tools for Personalization of Cardiovascular Care</b>
<b>Privacy of Patient-Generated Data: Legal Landscape</b> <i>Claire Marblestone, Esq.</i>