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Webinar

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Advances in transcatheter valve therapies: Expanding options for high-risk patients

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Transcatheter valve therapies have revolutionized treatment options for patients ineligible for conventional surgery. This session provides an in-depth overview of recent advancements in TAVR, transcatheter mitral repair, and emerging tricuspid valve interventions. The presentation evaluates device innovations, including enhanced leaflet durability, reduced paravalvular leak, and improved hemodynamic profiles. Real-world registry data comparing outcomes in intermediate- and low-risk populations will be analyzed, emphasizing long-term durability and post-procedural complications. Advanced imaging techniques—3D CT reconstruction, MRI fusion, and intraprocedural echocardiography—will be highlighted for their role in procedural planning and device sizing. The talk will also explore hybrid approaches combining surgical and catheter-based strategies for complex valve pathologies. Future directions include fully bioresorbable valve technologies, next-generation repair systems, and AI-based procedural navigation.

Biography

Julian Meyer is an interventional cardiologist at Charité Berlin, specializing in structural heart interventions. He has extensive experience in TAVR and transcatheter mitral therapies and contributes to multiple European device trials. Dr. Meyer's research focuses on improving procedural precision and long-term valve durability. He is a frequent lecturer at international cardiology congresses.

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