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	<p>HEALTH in BUILDINGS <b>HYGEIA 2026</b> <i>where the medical &amp; engineering professions collaborate &amp; innovate</i></p>	
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May 27-29, 2026 - Island of KOS, Greece

<b>#</b>	<p><b>Christos Zoukos</b> BSc Computer Engineering, MSc Business Analytics, MBA</p>	
Title:	Co-founder, Altrovia.ai	
email:	cz@altrovia.ai	•
Presentation title:	<b>Evaluating the Accuracy of AI in Making Clinical Decisions</b>	
<p>This talk explores how accurately artificial intelligence systems can support or replicate clinical decision making in real world healthcare settings. As AI tools are increasingly used for diagnosis, risk prediction, treatment recommendations, and workflow support, understanding their performance and limitations is critical for patient safety and clinical trust.</p> <p>The presentation reviews current methods for evaluating AI accuracy, including comparisons with clinician judgment, benchmark datasets, and prospective clinical validation. It also examines common sources of error such as biased training data, incomplete clinical context, and overreliance on statistical patterns rather than causal reasoning. Special attention is given to how accuracy should be defined in medicine, where acceptable error rates, uncertainty, and patient heterogeneity differ from other domains. The talk highlights examples where AI performs well, as well as cases where it fails in subtle but clinically meaningful ways.</p> <p>Finally, it discusses best practices for integrating AI into clinical workflows, emphasizing transparency, human oversight, and continuous monitoring. The goal is to provide clinicians, researchers, and policymakers with a clear framework for critically assessing AI driven clinical decisions and for using these technologies responsibly to improve care without compromising safety.</p>		
CV:	Co-founder of Altrovia, an AI-native clinical trial design platform	
<p>Christos brings 7+ years of expertise in AI, technology strategy, and pharma M&amp;A with a combined deal value of &gt;\$20B. At BCG, he advised global pharma companies on multi-billion-dollar acquisitions, while shaping enterprise AI strategy. With a background in machine learning and scalable tech solutions, he bridges strategy with execution, positioning him to drive Altrovia's technology development and deliver impact at scale</p>		