

Leveraging Data to Drive Better Outcomes and Personalization at Scale

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“Magic is just science that we don't understand yet.” This quote by the great science fiction novelist and futurist, Arthur C. Clarke, translates exceptionally well to the world of data and analytics. In fact, most consumer facing aspects of data and analytics today seem magical. From large language models to self-driving cars – advances in technology can seem intimidating, but underneath a lot of these complex ideas are simple, approachable mathematical and programming ideas that are easily accessible to anyone who is interested to learn.

VELYS™ Digital Surgery technology delivers a platform for Planning, Execution, and Data Analytics designed to significantly enhance the practice of orthopaedic surgery for surgeons by providing more information for evidence-based decisions.

In fact, data and analytics are the backbone of our VELYS Digital Surgery technology, which reveals real-time, actionable insights to empower patient-specific operative decisions with the goal to improve outcomes and deliver personalization at scale.

I am excited about the [American Association of Hip and Knee Surgeons](#) (AAHKS) Annual Meeting in Dallas this year where we will feature our VELYS™ Insights analytics platform. With the VELYS Digital Surgery portfolio and VELYS Insights, in particular, we aim to capture, codify, and create data and analytics that help surgeons understand the true impact of their decisions, technique and approaches, and learn via reflection. We see VELYS Insights as a platform that will be built iteratively and personalized to the needs of how individual surgeons prefer to interact with data. We will showcase our VELYS™ Robotic-Assisted Solution, which complements the surgical technique, helps to enable precise placement of ATTUNE™ Knee implant for each patient, and provides predictive modeling estimates for joint stability. Also, our VELYS™ Hip Navigation with CUPTIMIZE™ Hip Spine Analysis uses data and visualization to support surgeon technique and provide a personalized approach for implant positioning. Analyzing patient data provided by VELYS Digital Surgery solutions helps surgeons identify patterns and factors that lead to successful surgical outcomes. By examining which approaches work best for specific conditions, surgeons can continually refine their practices to improve patient results.

I look forward to conversations around technology and data, showcasing the VELYS Digital Surgery suite of solutions and to learn from our orthopaedic experts at AAHKS November 2-5. See you soon!