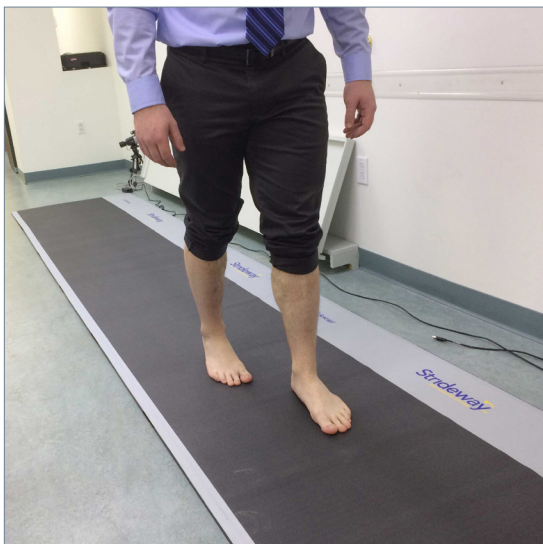


## New Strideway 5 in Gait Lab Gives Podiatrists New Ways to “See” How Patients Walk



*(Left) Zach Weyandt (2019) demonstrates how patients walk on Strideway 5's force plate.  
(Right) Dr. Cusack reviews data about Zach's gait generated by the Strideway 5.*

With Jeffrey J. Cusack, DPM

Thanks to a generous donation that was directed to the Gait Lab by a grateful patient of alumnus Joseph D'Amico, DPM, NYCPM Professor of Orthopedics and Pediatrics, the Gait Lab has acquired Strideway 5, a new system that enables our clinicians to gain valuable insight into underlying gait abnormalities, inefficiencies or imbalances that might otherwise go undetected, a system described by Jeffrey J. Cusack, DPM ('81), Assistant Professor of Orthopedics, who runs the Gait Lab, as a “force plate on steroids.”

By linking a two-plane simultaneous digital capture of the patient walking across the platform, according to Dr. Cusack, Strideway 5 provides real time kinetic, temporal, and spatial gait parameters, as well as pressure and force data, facilitating comprehensive gait analysis in both clinical and research environments. The combined data can be employed on an academic level to expand on the didactic information presented in the orthopedic courses that are taught over the course of the first three years at NYCPM. “We’ve never had this interface before,” says Dr. Cusack. “The ability to repeatedly ‘watch’ the patient progress through the various stages of the gait cycle and observe the reaction forces of the ground interacting through the foot is a priceless teaching tool.”

In addition, the Strideway 5 system will be utilized for research, beginning with a study already underway with Dr. Robert D. Phillips of the Orlando Veterans Administration Hospital on the effects of orthoses on balance and sway. NYCPM is very grateful for the generous donation and the insight of Dr. D'Amico; this donation has enabled our students to not only study human function, but to apply it as they move forward in their podiatric careers.