CREATES IN ACTION

TransEnterix Case Study

CHALLENGE

TransEnterix Inc. is a medical device company that is ushering in a new era of minimally invasive surgery through their flagship product, the Senhance Surgical System that has been commercialized both in Europe and the U.S. In conjunction with increasing their market footprint in the U.S., they sought assistance to establish a Center of Excellence in training at CREATES’ state-of-the-art facilities that would help them train surgeons from all over the world. Our close partnership with UPMC, known for its high-volume robotic surgery cases, ensured unprecedented access to the best clinical and research minds to help develop a proficiency-driven assessment program that would help the TransEnterix team objectively measure skills developed during training and establish customized educational pathways for each trainee resulting in shorter learning curves.

OUTCOMES & IMPACT

CREATES, in conjunction with the University of Pittsburgh Department of Surgery’s Learning Scientists developed a customized, comprehensive assessment program for TransEnterix. The metrics-based assessment tools that were developed drew on years of research experience and expert, procedure-specific guidance from our highly trained surgical thought leaders. In addition to the program itself, the CREATES facility, in close proximity to UPMC’s multi-specialty teaching hospitals provided the perfect infrastructure to validate and test the assessment program resulting in a finely tuned educational tool that can evolve along with the Senhance System’s capabilities. This, along with ongoing mentorship of UPMC’s highly trained robotic surgeons forms the foundation for the CREATES-TransEnterix Center for Excellence where surgeons from all over the world can rapidly gain skills to help with continued success of their own robotic surgery programs. The partnership between CREATES and TransEnterix is powered by the shared goal to continue making advancements in surgical robotics and pushing the boundaries of innovation in surgery.

• Access to top thought leaders and surgeons in the field of robotic surgery
• Access to state-of-the-art medical facilities of UPMC
• Formed the foundation for the CREATES-TransEnterix Center for Excellence
• Conducted surgical practice drills and simulations
• Developed curriculum for validating and assessing the Senhance System’s
• Established long term relationship between CREATES and TransEnterix

The Senhance system is designed to enhance minimally invasive surgery by digitizing the interface between the surgeon and the patient while supporting responsible economics to the hospital. We look forward to partnering with CREATES and UPMC in offering Senhance surgery to patients.

Todd M. Pope, President & CEO, TransEnterix