



CARLOS JAVIER SANCHEZ | S&BU

OUTSTANDING MEDICAL RESEARCHER

MARK NIEDERAUER

Chief Technology Officer and Senior Vice President
of Operations EO2 Concepts

Mark Niederauer, who holds a doctorate in biochemical engineering, is the chief technology officer and senior vice president of operations for EO2 Concepts, a startup medical device company with a novel device for treating chronic wounds with continuous topical oxygen. He recently completed a study that compared continuous diffusion oxygen therapy to placebo therapy for treating diabetic foot ulcers. He co-wrote an article on the subject that was recently published in *The Journal of Diabetes Science and Technology*. His research has led to more than 15 articles, 40 presentations, numerous abstracts and honors. Niederauer is also a co-inventor of five patents and two applications for devices and methods used in orthopedic surgery, tissue engineering and wound care. Niederauer has more than 25 years of experience in research, development, manufacturing and commercialization of medical devices and pharmaceuticals. In his free time, he volunteers for Seton Home, SASTEMIC and First Robotics, and he coaches soccer.

What do you consider to be your top achievement in health care in the last year? Being able to complete and publish a first-of-a-kind study in medical devices. This was a very difficult study to design and implement. The final results

are impressive and have already had an impact in the wound care space.

Tell us about a significant event that makes you reflect: "This is why I do what I do." At a recent meeting focused on treating wounds of our veterans and Native Americans, I was speaking with a doctor about his experience with products that I helped develop and launch. He became very emotional about the outcomes that he has achieved using these products, including preventing amputations and restoring the quality of life of his patients. He told me that in the year before using our therapy he had 16 below-the-knee amputations in his practice and has had none since. Seeing such an emotional impact from products I helped develop is truly rewarding.

What would you like to be remembered for as a Health Care Hero? Being able to make contributions to our society that improve people's lives. One way to do this is what I do for a living: developing and launching innovative products that improve people's health and quality of life. Another way, which I find personally rewarding, is through working with educators and students to develop their career pathways and enable the students to become future skilled workers, professionals or innovators.