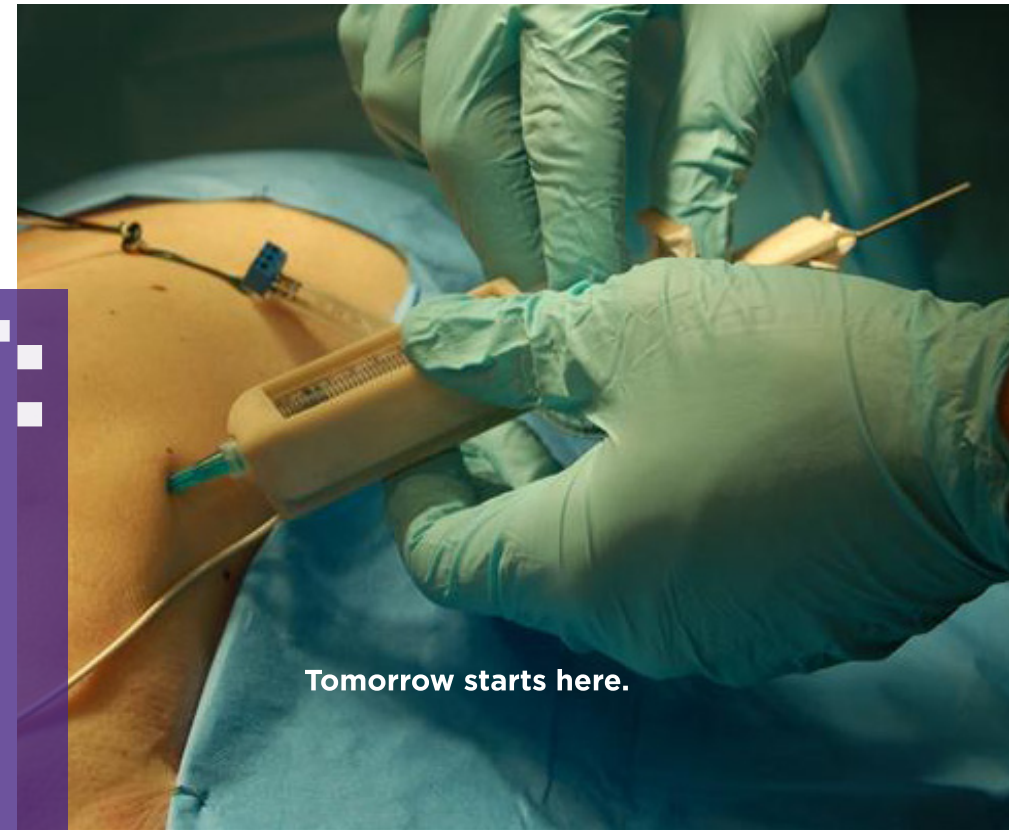




No one enjoys a cortisone shot, especially when it doesn't hit its target. Of the 20 million injections given annually for the treatment of arthritis and other inflammatory conditions, many completely miss their target and contribute to continued inflammation and pain. Orthopaedic surgeon Dr. Ed Bartlett and a team of ECU engineering and design students have developed a patent pending method to improve administration of local anesthetics and corticosteroids to hard-to-reach joints.

Learning the skills to provide appropriate injections requires a keen tactile sense that is honed over years of practice. The Bartlett SMART syringe is devised to shorten the learning curve of health practitioners or student by offering a visual aid to identify the correct location for optimal injection outcomes and pain relief. The SMART syringe incorporates standard sterile

syringes into a reusable measurement device comprised of a sensor and processor for identifying optimal pressure and flow parameters and improved pain management and patient outcomes. With Dr. Bartlett's invention, those dreaded cortisone shots will be a little less daunting, both for the patient and for the medical professionals who have to administer them.



Tomorrow starts here.

ON TARGET: THE BARTLETT SMART SYRINGE

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DR. ED BARTLETT