

CASE STUDY

Strategic Imaging Method Designed for Injector Depth Measurement

SCENARIO

A medical device company with an injectable drug for emergency use needed a way to ensure drug delivery to pediatric patients at just the right depth. If the injector was too shallow, it would impact subcutaneous tissue and not be effective; too deep, and the injector would hit the bone.

Quality Advisement

“Let’s face it: In the life science industry, there’s challenges at every turn.

Thankfully, Bracken’s team is comprised of talent from the biggest names in pharma, digital health, medical imaging, and software to back our clients with industry knowledge and subject matter expertise.


We’ll support you and your team with quality advisement to ensure you have the knowledge needed to make only the best, evidence-based decisions.

The life science markets are tough to navigate---don’t go it alone.



 [TheBrackenGroup.com](https://www.TheBrackenGroup.com)

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THE CHALLENGE


What our client needed was a way to measure drug injector depth in very young populations, so they could conduct a clinical trial.

The drug itself is approved, but delivery to a new, very young patient population required evaluation of the drug delivery in patients weighing less than 15kg.

THE STRATEGY

Bracken was tasked to precisely evaluate where the injectors delivered the drugs. Our assessment found that current imaging protocols were not precise enough to measure needle depth. The solution was to:

- Develop new strategies and methods to acquire images where needed.
- Develop a novel ultrasound-based acquisition protocol that will be used in their upcoming clinical trial.
- Provide managerial support along with technical expertise and strategic guidance.


**THE RESULT?
ON TO
CLINICAL TRIALS**

The company had the information they needed to measure drug injector depth in their target population and were able to conduct the necessary clinical trials.