DataBiologics

Customer Story

NYU Langone Health

How NYU Langone Residents Used DataBiologics to Turn Clinical Questions into a National Poster Presentation

BACKGROUND

In the rapidly evolving field of musculoskeletal medicine, resident physicians are often faced with clinical questions that go unanswered in traditional academic literature. At NYU Langone Health's Department of Physical Medicine & Rehabilitation, one group of residents decided to take a different approach — leveraging real-world outcomes data from the DataBiologics registry to investigate their hypothesis and present it on a national stage.

What began as a curiosity about platelet-rich plasma (PRP) treatment timing led to a research project, culminating in a poster presentation at the 2025 American Osteopathic Academy of Sports Medicine (AOASM) Annual Meeting.

PROJECT

Like many physicians-in-training, the NYU Langone Rusk Rehabilitation residents (Drs. Brandon Burg, Andres Gronda, Chun Maung) were seeing firsthand the increasing use of orthobiologic treatments like PRP in clinical practice. They asked a fundamental but understudied question: Does timing of PRP administration affect outcomes for patients with knee osteoarthritis?

To find some early answers they turned to the DataBiologics registry.

With the support of DataBiologics, the residents gained access to a large, de-identified dataset of patients who had undergone PRP therapy for knee osteoarthritis. This access allowed them to:

- Explore real-world trends across diverse clinical settings
- Segment patient populations based on symptom duration at the time of treatment
- Run analyses using existing outcome measures like KOOS JR
- Bypass typical research bottlenecks, such as long IRB approval or manual chart review

Within a few weeks, the team had built a retrospective cohort study from the real-world data.

OUTCOME

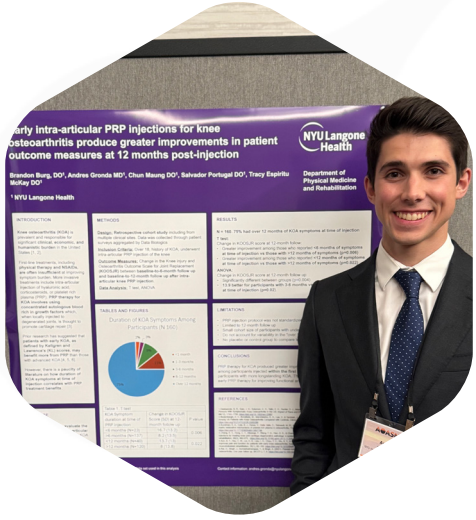
After completing their analysis, the team drafted a research manuscript and submitted an abstract to the AOASM. Their project was accepted as a poster presentation, joining other resident and fellow contributions from across the country.

Scan to view the poster

The poster summarized their real-world findings and highlighted how registry data can be used to answer relevant clinical questions.

IMPACT

Collaborations between academic institutions and platforms like DataBiologics are unlocking research opportunities that were previously out of reach. By providing flexible, rapid access to structured outcome data, DataBiologics empowers the next generation of clinical researchers and offers a scalable blueprint for academic programs to integrate registry data into resident-led initiatives.



Andrés Gronda, MD, Resident Physician at NYU Rusk Rehabilitation, presents findings from the DataBiologics registry at AOASM 2025.

Learn more at: www.databiologics.com