# Pathway to Precision:

# Strengthening **Clinical Data**

Juan Pablo Garcia Martinez

lmaging

The tool is a comprehensive clinical data management platform designed for the rigorous demands of oncology imaging in clinical trials. It automates the ingestion, calculation, and tracking of data, ensuring quality and consistency. By providing precise auto-generated queries and seamless integration with EDC systems, it facilitates enhanced communication and efficiency across trial sites. The platform's innovative approach to data visualization compliance ensures accuracy and saves significant labor hours, making it a pivotal tool for advancing clinical research.

Proven Efficiency: Automated pipelines validated by experience, generating thousands of queries for 14 studies, and saving immense manual effort.

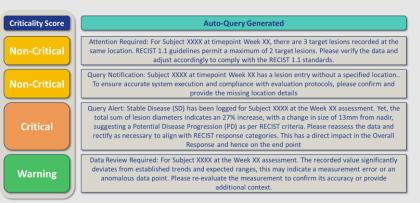
**Dynamic Solutions over Static AI:** Our approach embraces versatility, avoiding rigid AI models, and ensuring meaningful validation.

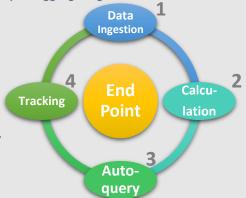
Enhanced Communication & Consistency: Autogenerated queries synchronize cross-site operations, streamlining

Traceability & Compliance: Our tracking system offers realtime monitoring of each record, enhancing accountability and compliance by no aggregating data.

### **Modules:**

- 1. Data Ingestion: Dynamically connect and ingest data from multiple EDC platforms, achieving standardization sophisticated profiling.
- 2. Calculation: Implementing criteria for theoretical response calculation, matched with robust consistency checks and flagging systems.
- 3. Auto-Query: Generate queries with customizable responses, pinpointing and flagging the root of each issue for targeted resolution.





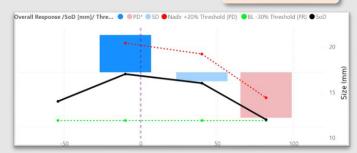
4. Tracking: Cross-reference current data against historical records to changes, ensuring all past data remains accessible for comprehensive analysis.

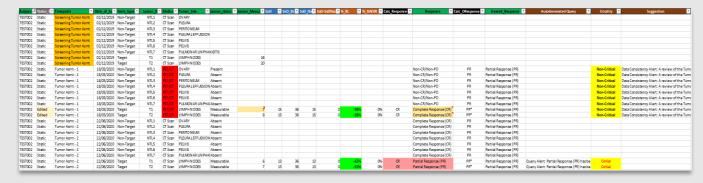
Calc_Response	Site_Response	Calc_Overall_Resp	Site Overall_Response
PD	Stable Disease (SD)	PD	Progressive Disease
PD	Stable Disease (SD)	PD	Progressive Disease
PD	Stable Disease (SD)	PD	Progressive Disease
PD	Stable Disease (SD)	PD	Progresse Disease
		Previous value (Date):	
		Stable Disease	

## **Outputs/Reports**

#### **Data Visualization Tool:**

- Integrates Standardized Criteria with exploratory analysis for enhanced data interpretation.
- Provides a detailed, subject-centric view to support targeted decision-making.
- Automates query dispatch to study sites for prompt issue resolution.





# **Thank You!**

### **Let's Connect!**

For a deeper dive into our system's capabilities or to discuss how we can tailor it to your clinical trial needs, please don't hesitate to reach out. We are here to assist you in harnessing the full potential of the data management platform.

juagarmar4@gmail.com

Juan Pablo García Martínez | LinkedIn

https://github.com/juagarmar/

Looking forwards to exploring the possibilities together