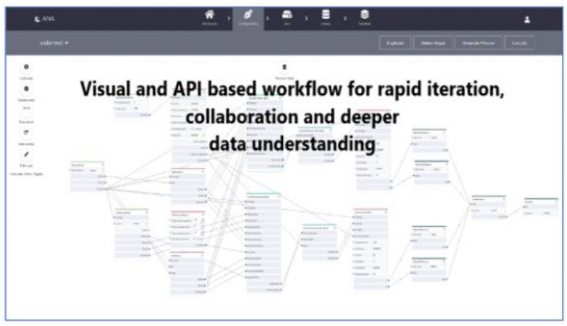
Medical Outcomes Are Brighter with Enhanced Understanding

Rendered.ai is a complete Common Application Framework for cutting edge synthetic data generation workflows: Physically accurate simulation of ultrasound data.

- Expansive library of tools for physics based synthetic data for microscopy
- Automatic or insight driven iterative data generation workflows with integrated model feedback
- Rapid intervention and collaborative workflow with Graphical and API-Based workflows
- Exploration of rare events and edge cases

Physics Based Synthetic Data in a **Common Application Framework** improves Medical AI

- **Data Hygiene**: Address the cold start problem, generate data when data is not available, adjust training data for hidden biases, prevent concept drift and model decay, and accommodate data privacy and confidentiality requirements.
- **Accurate light transfer characteristics and fully ray traced caustics** improves realism allowing for synthetic data to be used in both AI training and test data sets.
- **Simulation of non-visual data** including full-wave electromagnetic simulations of medical tools allow rapid simulation of common and novel sensors as well as meeting sensor fusion needs.
- **Data science cloud native workflow** built for collaboration, ease of use, and integration into your existing data and simulation workflows. Users can work with Rendered AI through a visual programming language or API to support diverse use cases and scalability.



What this means for **Medical AI**

Quickly and Cheaply Compare/Improve Algorithmic Performance

Working in concert with your existing simulation tools and data repositories or stand-alone, this package can accelerate your AI efforts to improve labeling, fortify your AI against edge conditions, integrate new data types from visual and non-visual medical sensors and measure their efficacy. We improve control of simulations by your data scientist for better medical outcomes. Quickly modify data for test and training. **Synthetic data becomes a capability - not a disposable deliverable.**

