



Medical AI LIVE Interpretation

The devil is in the detail

The Client wanted to enable foreign delegates to hear Live Interpretation without incurring the cost of human interpreters. Prior experience with AI models did not appear to be sufficient for technical content spoken by accented, non-English presenters.

AI Live Language Interpretation is prone to inaccuracies. To improve accuracy, custom models and custom application designs are applied. The process goes through 4 stages that drive Translation Quality.



Approach: The first steps in the chain have the largest leverage on final Live Translation Quality. Custom Speech Models struggle to detect highly technical terms, especially from speakers with accents. The platform has several models to improve Step 2 quality, providing significant leverage for subsequent steps. Small training sets of training data were ingested to address particular issues.

The Globibo Engine added significant quality enhancements.

- Basic Engine: Nivolumab plus epidemi map
- Advanced Engine: Nivolumab plus epilimumab
- Trained Globibo engine: Nivolumab plus Ipilimumab

Especially, specific drugs were properly adjusted before translation.

- Basic Engine: accident plus pembrolizumab map
- Advanced Engine: acetaminophen plus pemrolizumab
- Trained Globibo engine: acetaminophen plus pembrolizumab

Reynolds carcinoma >> Renal Cell Carcinoma

When you see a patient in clinic with Reynolds renal cell carcinoma, you asked to ask to ask yourself several questions first, First one is, is it a clear cell RCC that?

That the most common histology/histology feature or is it a non-cure clear cell tumortumour? I won't touch on

Non cure cell >> Non clear cell

Results

AI Interpretation is not perfect. AI engines appear to cover more of the original content and use more specific translations of terms, but existing technology has limits regarding value judgments and contextual understanding.

Despite those limitations, the quality increase made the actual utilization of AI for this medical domain a viable option.