Case Studies

Phase 3 Oncology Imaging Study: Rapid, Reliable Reads with Balanced Adjudication

Phase 3 imaging study for **solid tumors**, encompassing a rolling read of **500** subjects with an average of **8** timepoints per subject. The study design featured two fixed primary readers and one fixed adjudicator, ensuring consistent interpretation across all imaging data.

Retrospective Oncology Read: Rapid Turnaround with Consistency

Retrospective imaging read for a **solid tumor trial** with **650 subjects** and an average of **7** timepoints per subject. The sponsor faced a critical challenge: regulatory-ready data was needed within an accelerated 6-week window. For submission, consistent reads and low-variability data were essential. We managed the entire imaging workflow—from reader training to final data transfer—with rigorous quality controls and centralized oversight, ensuring delivery within the tight timeline.

Result

We maintained a 5-day turnaround time throughout the duration of the trial, ensuring timely data delivery without compromising quality.
Key highlights:

- Inter-reader variability between the two primary readers remained within a controlled range of 15–22% across the study.
- Adjudication agreement was evenly balanced, with the adjudicator aligning nearly 50/50 with each reader, indicating effective reader training and readers' understanding of the criteria.
- Reduced variability through a small, fixed reader group

This study underscores RadMD's commitment to delivering efficient, high-quality imaging services for late-phase oncology trials.

Result

We deployed a fixed reader model with two primary readers and one adjudicator. The project was completed in 6 weeks, including reader training, image review, data cleaning, validation, and delivery to the sponsor.

- Full study read, data cleaning, validation, and transfer in 6 weeks
- High consistency across two fixed primary readers and one adjudicator
- Reader performance in line with prospective Phase 3 studies
- Reduced variability through a small, fixed reader group

This study demonstrates RadMD's ability to deliver fast, high-quality imaging assessments with proven reader reliability.