

Patient Onboarding Accelerator for CG Oncology

How Peraison transformed a slow, manual onboarding workflow into a scalable, insight driven clinical operations engine.



Executive Summary

CG Oncology needed to enrol large patient cohorts for multiple bladder cancer trials, but a manual, paper heavy process made every patient review a slow and resource intensive task. Peraison delivered a production grade AI powered onboarding accelerator that automated document ingestion, patient profiling and eligibility assessment. The result was onboarding times reduced from hours to minutes, stronger operational control, and the ability to scale trials without increasing headcount.

As CG Oncology expanded its late-stage bladder cancer clinical programme, patient onboarding became a critical bottleneck. Each patient required five to six hours of manual review, with clinical teams reading fragmented documents, cross checking eligibility, and managing large PDF packs with no central system.

Life science organisations face rising costs to run trials, increased competition for patient enrolment, and pressure from boards and investors to accelerate time to data. Manual onboarding processes were no longer fit for purpose.

CG Oncology's specific issues included:

- Manual patient profiling that relied entirely on human reviewers to interpret varied clinical documents.
- Time lost requesting missing information from sites due to incomplete or unclear patient documents.
- Cumbersome PDF handling that could take hours per patient.
- No central location to manage patient documents, assessments, or review outcomes.

CG Oncology needed a scalable onboarding engine that delivered speed, consistency, and auditability across trials.

The Challenge

Patient Onboarding Accelerator for CG Oncology

Peraison built a Patient Onboarding Accelerator to automate and industrialise the entire patient review workflow.

The solution leverages Large Language Models (LLMs), Snowflake, and a custom web interface to streamline and scale the patient review process across five core capabilities:

Document Ingestion - Automatically extracts structured data from complex clinical PDFs - including tables, handwriting, and scanned images.

Patient Profiling - Builds a comprehensive, traceable medical history for each patient by analysing all documents and surfacing key cancer details.

Eligibility Assessment - Evaluates patients against trial-specific inclusion/exclusion criteria, with evidence-based recommendations and full traceability.

Custom Web Interface - A user-friendly, browser-based portal - tailored to client workflows - for managing patients, documents, and review processes.

The Solution



The Impact

The project delivered significant operational and commercial value:

- Patient review times reduced from multiple hours to minutes.
- Trial capacity increased without adding additional onboarding staff.
- A central, secure repository improved data governance and reduced operational risk.
- Faster, clearer feedback strengthened relationships with trial sites
- CG Oncology received a production grade platform that can be productised for future partners or sponsors.

The result was not just faster onboarding, but a strategic capability that unlocks more trials, more patients, and faster progress for therapies that matter.

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