

CASE STUDY



PRINCETONBRAIN,
SPINE & SPORTS MEDICINE



About Princeton Brain & Spine:

Princeton Brain & Spine specializes in neurosurgery and spine care. They generate reports that support expert witness testimony in medical litigation by summarizing and cataloging patient visits, images, and medical reports. These detailed documents clarify complex medical issues for legal proceedings, ensuring high standards in patient care and legal documentation.



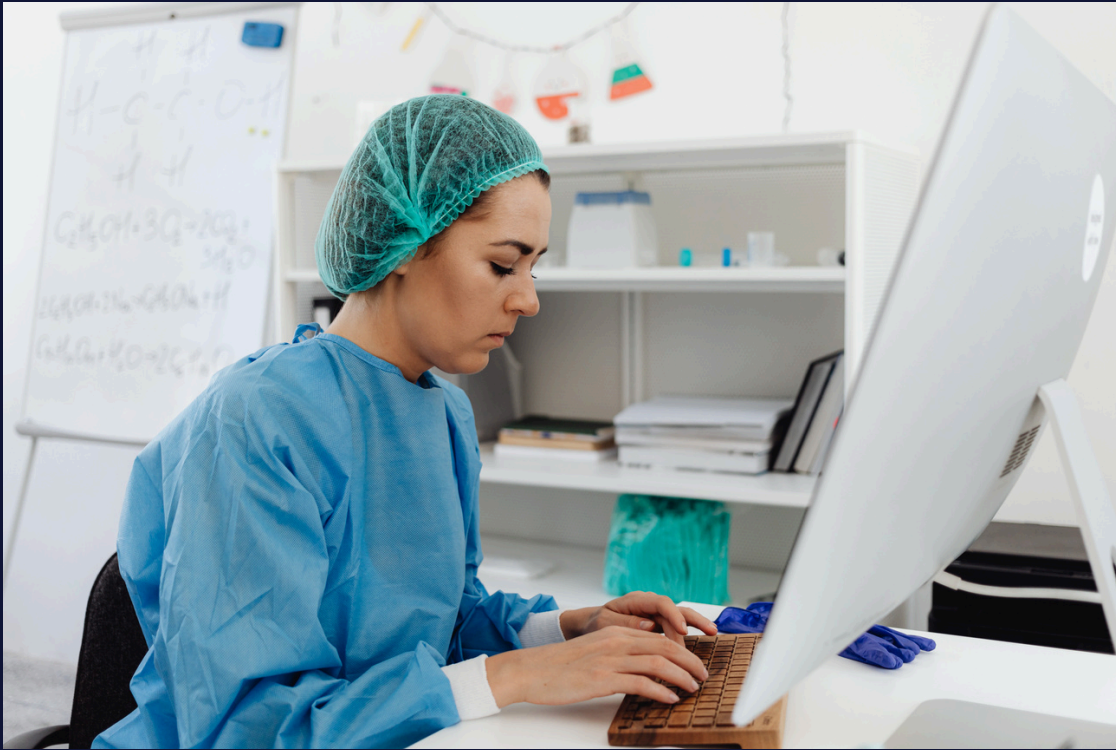
The Challenge:

Streamlining expert witness reports using custom AI-powered summarization of medical records.



Princeton Brain & Spine manually summarized and cataloged patient visits, images, and reports, resulting in a time-consuming process that introduced inconsistencies due to the sheer volume of data. The growing demand for expert witness reports further strained internal resources, making it challenging to scale operations without sacrificing quality. The practice required a solution to streamline workflows while ensuring the details required for legal documentation.

The Solution:



The Slingr Solutions team engineered a suite of AI-powered agents to automate the parsing, summarizing, and organizing of medical records for expert witness reports.

Fine-tuned AI models drive this system, replacing the need for external providers.

The models process PDFs to generate accurate summaries for each document. After summarizing more than 20 reports per patient, the system consolidates them into a comprehensive final report. Doctors can review and edit individual summaries, add a conclusion, and produce the final PDF. Continuous feedback and edits from doctors improve the accuracy and efficiency of the AI models over time.

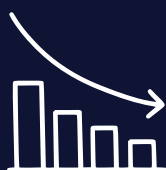
The Result:



The AI-powered solution slashed turnaround times and eliminated reliance on costly external providers. Doctors have greater control over the reporting process, with tools that make it easy to review, edit, and finalize summaries. A continuous feedback loop accelerates improvements in accuracy and efficiency. Overall, the solution streamlines workflows, enhances consistency, and improves the quality of expert witness reports.



Faster Turnaround Time



Reduced Costs



Summary Creation



Improved Accuracy