

Case Study:

FROM COMPLEXITY TO CLARITY: ACHIEVING HIGH-QUALITY, ON-TIME OUTCOMES



Medpace is a clinical research organization (CRO) with extensive experience supporting stroke trials across 25+ countries. We take pride in our integrated functional model and long-standing neurological expertise allowing us to operate with the agility of a focused partner while delivering the geographic reach, operational rigor, and consistency typically associated with much larger organizations. Having supported complex acute stroke programs worldwide, Medpace brings the proven ability to navigate regional healthcare systems, align cross-border teams, and execute time-sensitive trial operations making Medpace uniquely positioned to support high-stakes stroke studies at a global scale.

PHASE II - III STUDY BACKGROUND

700+
PATIENTS

100+
SITES

20+
COUNTRIES

CHALLENGES

COMPLEX RECRUITMENT ENVIRONMENT DRIVEN BY PROTOCOL DESIGN

- Eligibility criteria and established site workflow processes created ambiguity in patient identification and enrollment.
- The Medical Monitor role and responsibilities were not clearly defined upfront, leading to variability in site support execution
- Manual review of pre-screening metrics result in delays identifying site barriers to enrollment, contributing to inefficiencies and the ability to identify mitigations to improve enrollment.
- Protocol dictated process outside that of standard of care restricted flexibility at the site level, further narrowing the eligible patient population

PATIENT TRANSFER AND ENROLLMENT LOGISTICS WITHIN A SPOKE-AND-HUB MODEL

- Since spoke sites are usually responsible for initial patient receipt and screening, and hub sites performed EVT, there were often challenges in patient transfer coordination and communication. Variability in site readiness and alignment across hubs and spokes led to delays and operational inefficiencies

ACCELERATED SPONSOR TIMELINES

- Any delay in meeting projected study enrollment timelines as part of a broader industry desire a impact compound development and any chance for accelerated time to market
- Limited tolerance for delays required rapid issue identification and mitigation, increasing operational complexity

SOLUTIONS

- Site and CRA education on the ideal patient profile, further clarification on the Inclusion/Exclusion criteria, strategies for on-site operationalization of protocol requirements, etc.
- Active Medical Monitor involvement with sites to support for any enrollment questions
- Sites trained to document explicit exclusion criteria in compliance with pre-screening metrics, not an electronic system for easy analysis of data. This allowed for robust data supporting potential protocol modifications to boost enrollment chances.
- In the acute stroke setting, where rapid decision making and seamless coordination are critical, the Medpace team implemented a fully integrated patient transfer process to ensure timely activation, alignment across teams, and rapid setup of care.

FULL-SERVICE CLINICAL DEVELOPMENT

Medpace is a scientifically-driven, global, full-service clinical contract research organization (CRO) providing Phase I-IV clinical development services to the biotechnology, pharmaceutical and medical device industries. Medpace's mission is to accelerate the global development of safe and effective medical therapeutics through its high-science and disciplined operating approach that leverages local regulatory and deep therapeutic expertise across all major areas including oncology, cardiology, metabolic disease, endocrinology, central nervous system and anti-viral and anti-infective.

WHY MEDPACE

Deep acute stroke expertise, strong site relationships, and an agile model protect data quality while keeping recruitment and delivery on track.

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MAKING THE COMPLEX
SEAMLESS

