



# Neuroscience

Leverage Clario's unrivaled scientific and operational expertise for your neuroscience trials

CLARIO.

# Comprehensive services for neuroscience trials

As the world's foremost imaging core lab, Clario delivers therapeutic expertise, proven technologies, and global operations to expedite neuroscience clinical trials.



We have more experience in the design and conduct of neuroscience clinical trials than any other core lab in the world. In fact, Clario has supported the majority of Phase III Alzheimer's disease clinical trials incorporating imaging endpoints.

- World-class neuroscience expertise
- Centralized image analysis
- Study design and protocol development
- Global site selection and authorization

## Scientific expertise

Neuroscience clinical trials rely on the accurate collection of high-quality image data for complex endpoints. Clario's unrivalled neuroscience team delivers specialized expertise in support of your trial, from protocol design through regulatory submission.

- Neuroradiologists
- MRI physicists, including quantitative analysis specialists
- PET scientists
- Imaging technologists

Our team of experts are committed to the success of your study. We work with sponsors and sites to oversee qualitative and quantitative endpoints and deliver high-quality data for eligibility, safety and efficacy studies.

# Therapeutic strengths

Through internal R&D and collaboration with leading academic partners, Clario utilizes validated and compliant in-house implementations of leading image processing techniques, as well as the latest state-of-the-art analysis methods for evaluating investigational therapies.

Clario is the world leader in centralized imaging services, providing sponsors with comprehensive support for clinical trials across all major neuroscience indications. We understand the complexity of managing the imaging endpoints involved with monitoring specific disease states. Clario's expertise incorporates the latest developments in clinical neuroradiology and regulatory compliance.

## Areas of focus:

- Alzheimer's Disease (AD) and other dementias
- Multiple Sclerosis (MS)
- Parkinson's Disease (PD)
- Stroke and stroke devices

## A sample list of indications and conditions include:

- Acromegaly
- Angelman Syndrome
- CADASIL
- Canavan Disease
- Contrast agents
- Creutzfeldt-Jakob Disease
- Cushing's Disease
- Down Syndrome
- Fabry Disease
- Hunter Syndrome
- Huntington's Disease
- Hypertriglyceridemia
- Intracranial and intraventricular hemorrhage
- MELAS Syndrome
- Mild Cognitive Impairment
- Molybdenum Cofactor Deficiency
- Multiple System Atrophy
- Neonatal and Pediatrics
- Other rare diseases (ALD, MLD, MPS, GM1, GD, etc.)
- Progressive supranuclear palsy
- Psychiatric disorders (schizophrenia, PTSD, etc.)
- Spinal cord injury
- Traumatic brain injury and brain contusions

# Comprehensive capabilities

Advanced medical imaging can provide precise, quantitative information on morphometric changes in the brain, informing patient eligibility and drug efficacy. Molecular imaging and functional MRI provide increasingly vital information about brain function, enabling sophisticated evaluation of disease states. Our neuroscience team has experience with the latest advancements in biomarkers.

Clario offers a robust services portfolio to fully support your neuroscience clinical program across all phases. We provide advanced medical imaging expertise with comprehensive cardiac safety assessments, eCOA solutions, precision motion solutions, and clinical adjudication services to deliver more comprehensive trial data.

- Structural MRI
- Functional MRI (fMRI) — task or task-free
- Magnetization Transfer Ratio (MTR)
- Arterial Spin Labeling (ASL)
- Diffusion Tensor Imaging (DTI)
- Neuromelanin/iron-sensitive MRI/QSM
- Magnetic Resonance Spectroscopy (MRS)
- Molecular imaging
  - FDG PET
  - Amyloid PET
  - Tau PET
  - Investigational PET (F-DOPA, TSPO, SV2A)
  - DaTscan SPECT
  - TRODAT-1 SPECT
  - MIBG SPECT
- Computed Tomography (CT)
- Angiography
- Optical Coherence Tomography (OCT)

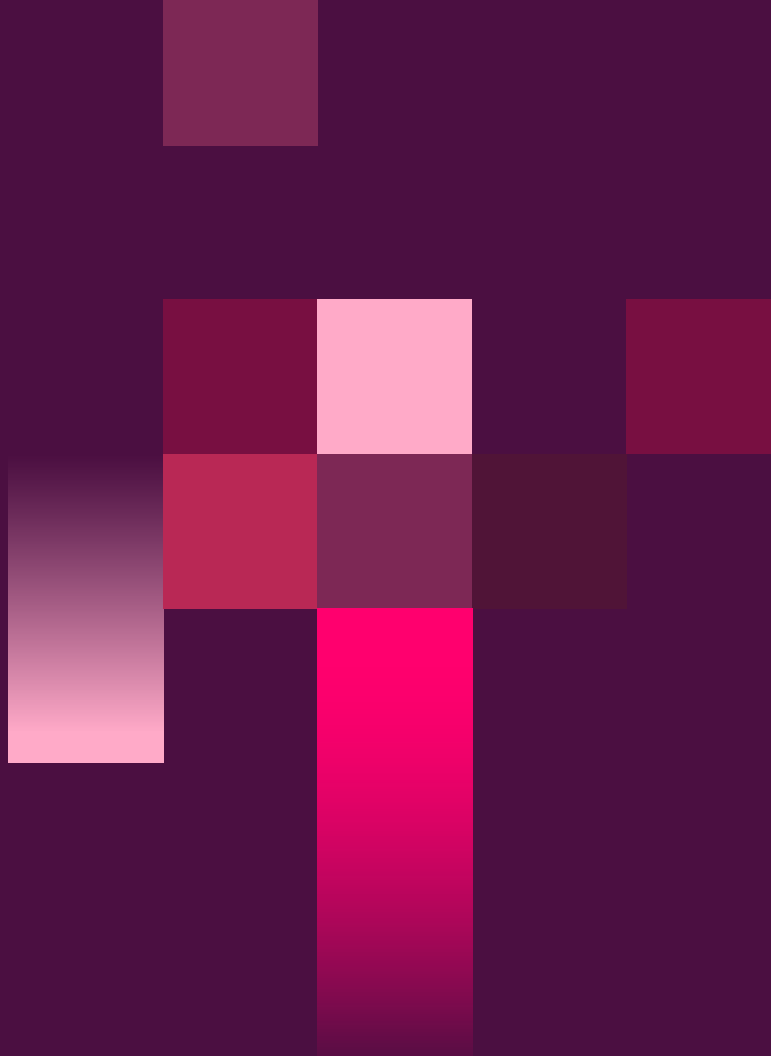


## High-quality data

Clario takes careful measures to ensure that the data you receive is of the highest quality and meets regulatory compliance. Initial site authorization and ongoing image quality control impact the overall quality of data emerging from a trial. We maintain close contact with clinical and imaging sites, helping sponsors identify quality findings, resolve image queries and adhere to protocol workflow and timelines.

- Rigorous site qualification and training
- Image QC
- Independent eligibility and safety assessments
- Robust quantitative analysis
- Validated software that meets regulatory requirements
- PET Tracer coordination services

Discover more at [clario.com](https://clario.com) or contact us at [clario.com/contact](https://clario.com/contact)



## About Clario

Clario generates the richest clinical evidence. Fusing our deep scientific expertise and global scale into the broadest endpoint technology platform, we empower our partners to transform lives.

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