

NeuroCart®: Providing Both Objective Measures And Subjective Measures Of CNS Function

NeuroCart is a fully self-contained, mobile CNS test battery developed in-house at CHDR, offering the possibility to measure a wide range of CNS effects in a pharmacological context.

Highlights

- A comprehensive battery that can test all functional domains of the CNS
- Both objective and subjective measures
- Rapid retesting allows researchers to complete several rounds of testing both before and after the drug is administered
- Full dose-effect curves can be measured quickly and easily
- High sensitivity means even subtle effects can be robustly detected
- Highly flexible design, easily adaptable to your specific needs
- Automatic capture of test data with direct entry into a CDISC-validated system
- Proven track record of safety and success in three decades of testing a wide range of CNS drugs

Summary

In the early stages of development of drugs for neurological or psychiatric disorders, one of the most important questions is whether the drug penetrates into the brain and shows pharmacological effects on the central nervous system. The desire to be able to provide an in-depth answer to this question has driven CHDR to develop the NeuroCart.

The NeuroCart is a full battery of neuropsychological and neurophysiological tests that can be used to measure a wide range of CNS functions. Importantly, NeuroCart can be used to correlate a compound's CNS effects with drug concentration, helping to determine whether or not an effect is specifically due to the compound.

A clear advantage of NeuroCart over other CNS test batteries is that it provides both objective measures (e.g. neurophysiology) and subjective measures (such as cognitive function, memory and mood) of CNS function. What's more, NeuroCart is completely mobile and self-contained, incorporating all necessary equipment and protocols.