Clinical study

Research or a detailed examination and analysis of a subject.

Design

see Clinical study design.

Classification

Cohort study

Double blind study

Multicenter research trial

Placebo controlled study

Prospective study

Randomized controlled trial

Retrospective study.

Research

An experiment In particular, a clinical trial.

Experimental study

Observational trial

Preliminary study

Retrospective study

Studies (journal)

see imaging study

see clinical trial

Vargas-Caballero et al suggest that replicating elements of research findings from animals and stem cell models in resected human brain tissue would strengthen our understanding of disease

mechanisms and the therapeutic strategies and aid translation. The use of human brain tissue alongside induced pluripotent stem cells iPSC-derived neural models can validate molecular mechanisms identified in rodent disease models and strengthen their relevance to humans. If drug target engagement and mechanism of cellular action can be validated in human brain tissue, this will increase the success rate in clinical research. The combined use of resected human brain tissue, alongside iPSC-derived neural models, could be considered a standard step in pre-clinical research and help to bridge the gap to clinical trials [1)].

1)
Vargas-Caballero M, Willaime-Morawek S, Gomez-Nicola D, Perry VH, Bulters D, Mudher A. The use of human neurons for novel drug discovery in dementia research. Expert Opin Drug Discov. 2016 Feb 15. [Epub ahead of print] PubMed PMID: 26878555.