

Propositions belonging to this thesis

Endovascular treatment for ischemic stroke: predicting and improving outcome

1. Subgroup analyses without credible scientific rationale *and* clinical relevance, such as subgroup analysis of the effect of endovascular treatment for ischemic stroke on functional outcome in men versus women, should not be performed at all. *This thesis*
2. Although MR PREDICTS@24H is now ready for use in clinical practice as a tool to provide physicians, patients and their family members with reliable outcome expectations after endovascular treatment for ischemic stroke, it is necessary that the model keeps being externally validated and updated in different settings and contemporary patient populations to optimally support stroke care. *This thesis*
3. Acetylsalicylic acid or heparin should not routinely be administered during endovascular treatment for ischemic stroke. *This thesis*
4. Phase II(b) randomized clinical trials of acute treatment for ischemic stroke should use the NIHSS within one week after (endovascular) treatment as their primary outcome measure. *This thesis*
5. In acute stroke trials – including those on endovascular treatment – in which urgent treatment is necessary and a large number of patients is (deemed) incapable to provide prior informed consent due to neurological deficits, deferred consent must be considered as an alternative for prior informed consent. *This thesis*
6. Endovascular treatment and not prior intravenous alteplase is the main driver of favorable outcome in patients with ischemic stroke due to a large vessel occlusion. While intravenous alteplase should not be omitted in patients who have been admitted directly to an intervention center, it must not delay or prohibit endovascular treatment. *IRIS Collaboration. International Stroke Conference 2023*
7. An improved mechanistic understanding of the role of inflammasomes in neutrophil extracellular trap (NET)osis will help in the development of therapies to treat thrombotic and inflammatory disorders, including ischemic stroke. *Chen et al. Front Pharmacol. 2020*
8. There is no clear association between exposure to air pollution and the risk of dementia or cognitive decline. *de Crom et al. The Rotterdam Study. J Alzheimers Dis. 2023*
9. Case report form design is the initial step in translating the study protocol into standard questionnaires and is paramount to a successful clinical trial. *Bellary et al. Perspect Clin Res. 2014*
10. Pregnancy leads to a pattern of extensive gray-matter volume reductions, lasting up to at least six years after parturition, primarily affecting brain regions associated with social cognition and maternal behavior. *Adapted from Martínez-García and Paternina-Die et al. Brain Sci. 2021*
11. ἔν οἶδα ὅτι οὐδὲν οἶδα – I know that I know nothing (for certain). *Adapted from Socrates (or Plato?)*