

**Erasmus MC**

University Medical Center Rotterdam



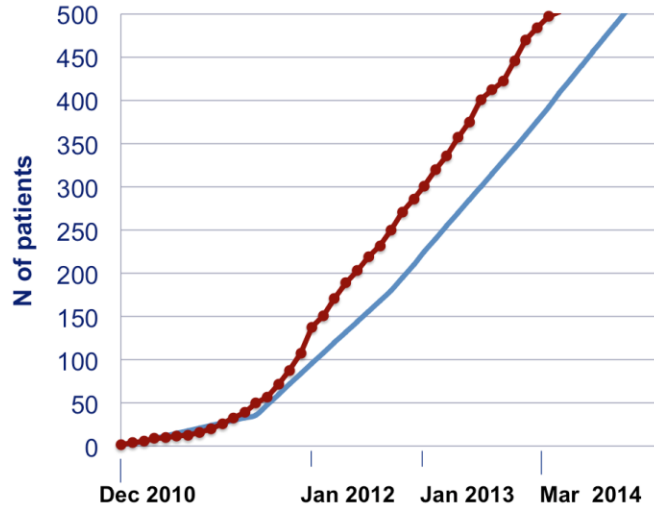
# Multicenter Randomized Clinical trial of Endovascular treatment for Acute ischemic stroke in the Netherlands

Diederik Dippel

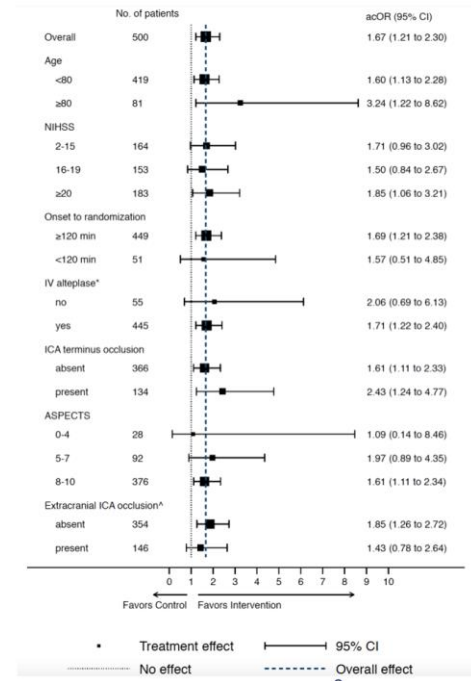
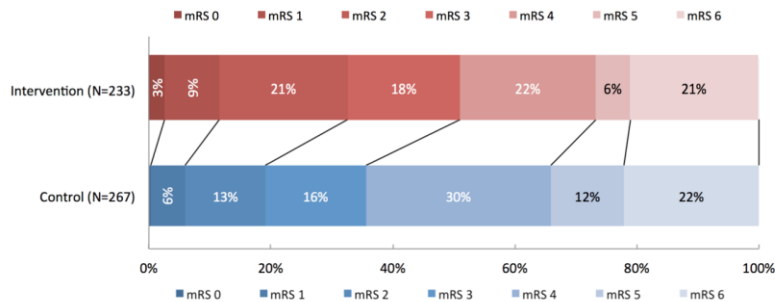
Charles Majoie

*On behalf of MR Clean Investigators*

# Main results



Common Adjusted Odds Ratio: 1.67 (95% CI: 1.21 to 2.30)



# The MR CLEAN approach

## Trial organization

- Tightly collaborating group of pairs of neuro-interventionists & stroke-neurologists
- All intervention centers in NL participated
- Strict national guidelines
- Reimbursement conditional on participation
- Funding by charity and industry

## Trial design

- Allow all approved devices for thrombectomy
- Broad inclusion criteria

## Analysis

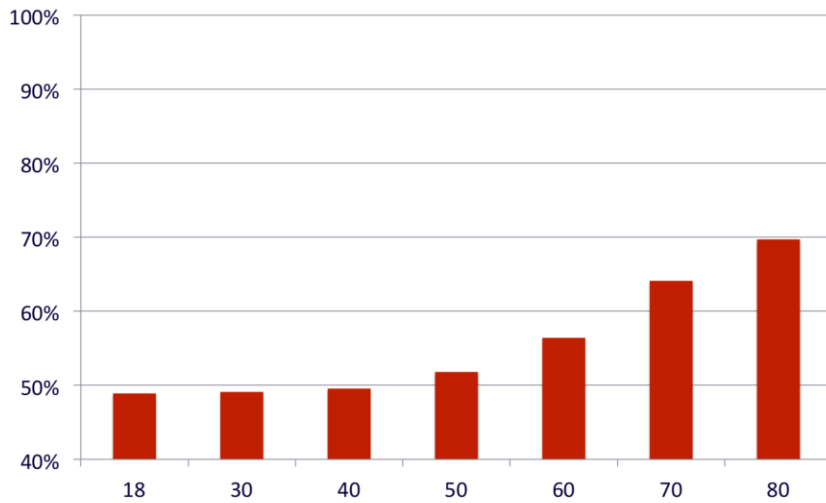
- Treatment effects not prognosis

## Future plans

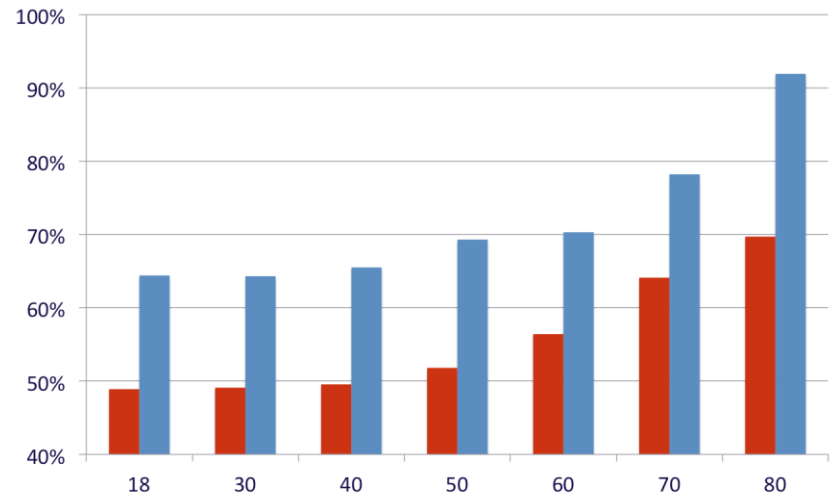
- Go on doing RCTs – we're not there yet!

# Age

## Outcome by age

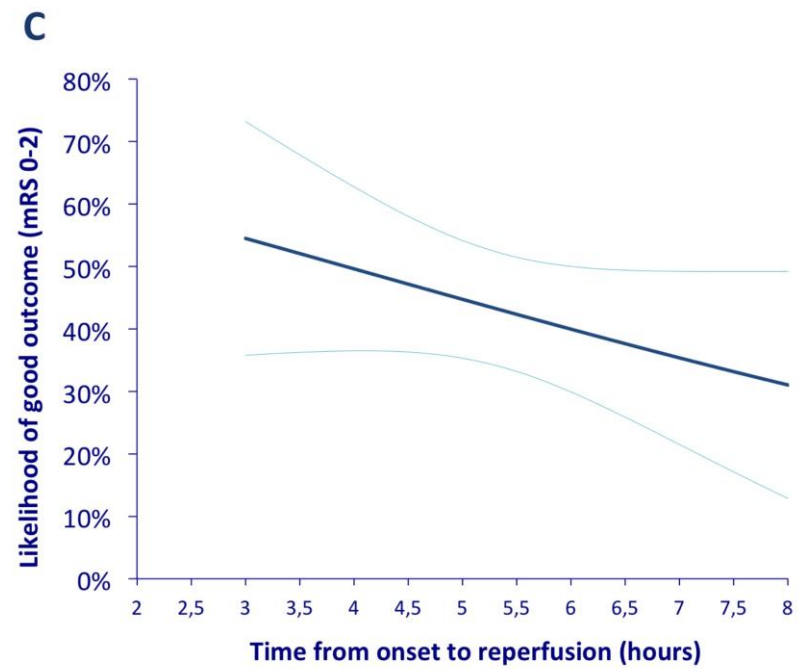


## Treatment effect by age

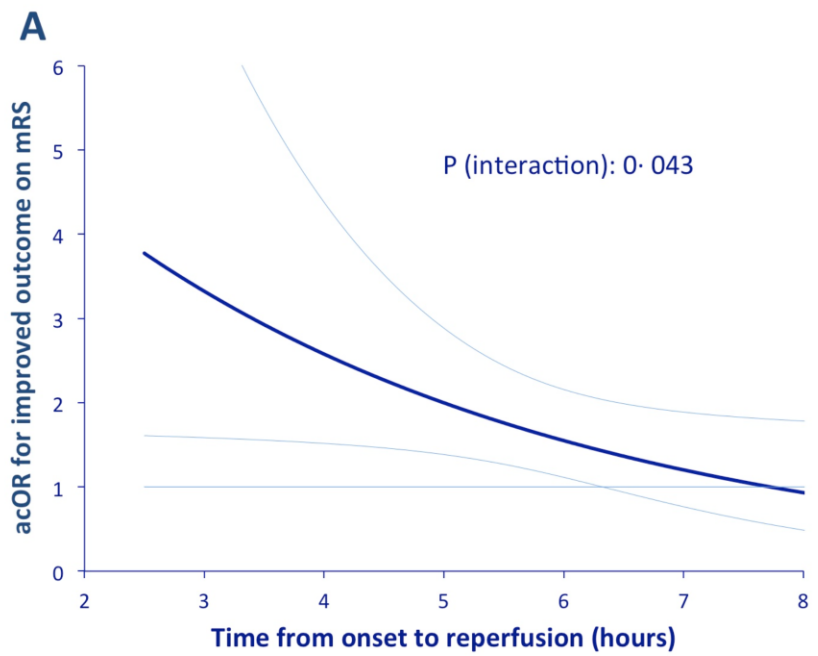


# Time

## Outcome by time



## Tx effect by time



# What has to be done now?

## Concept

- Further implementation
- Broaden the indication
- Narrow the gap between recanalization and neurological recovery

## Action

- MR CLEAN registry
  - (Guidelines, education, benchmarks, reimbursement)
- Start new RCT's
  - MR CLEAN LATE
  - MR CLEAN Head to Head
  - MR CLEAN MED
- Go back to the lab

