



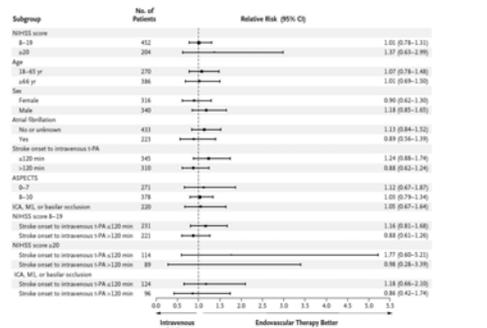
박 희 권

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Endovascular Therapy after Intravenous t-PA versus t-PA Alone for Stroke IMS 3

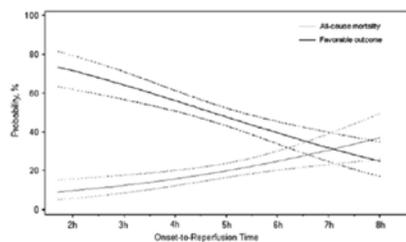
Endovascular Treatment for Acute Ischemic Stroke SYNTHESIS

A Trial of Imaging Selection and Endovascular Treatment for Ischemic Stroke MR RESCUE



IMS 3

Impact of Onset-to-Reperfusion Time on Stroke Mortality



→ Rec> Onset to Stentretreival (First Recanalization) <180 minutes !

Circulation. 2013;127:1980-1985

Lessons learned from IMS-3, SYNTHESIS

- High Futile Recanalization
- **Selection**
- Delayed Door To Recanalization Time
- **Brief Procedure**

Solution

- SWIFT PRIME
 - MR Based, Focus on DWI-PWI Mismatch
 - Reduce Futile Recanalization
- ESCAPE Trials
 - CT Based, Focus on FAST TRACT
 - Reduce Door to Recanalization Time

CT Based Protocol

- Triage Nurse
- Brain CTA (multiphase): Collateral Grade/ASPECT Score
- Neurologist, N/E, Em-Lab, Consent
- ±rTPA
- Stent Retrieval
(Direct Recanalization before TFCA)

ESCAPE

- ClinicalTrials.gov Identifier: NCT01778335
- Estimated Enrollment: 250
- Study Start Date: Jan 2013
- Estimated Study Completion Date: Dec 2014
- Primary Outcome Measures: 90-day mRS(0-2) or NIHSS (0-2)
- Time Window
 - Unclear: Last normal Time < 12hr
 - Clear onset: >4.5hr or CTx
- Procedure Time : Rec
 - <120mins Door to Recanalization,
 - <60mins CTA-Picture,
 - <90m CTA-Recanalization