ENRICH Trial

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RESEARCH SUMMARY

Trial of Early Minimally Invasive Removal of Intracerebral Hemorrhage

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Design: prospective, multicenter, blinded, randomized controlled trial.

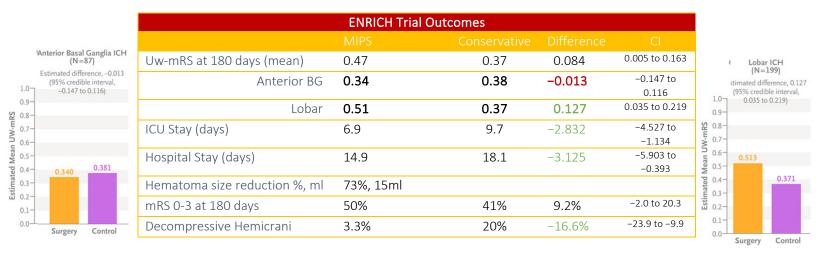
Inclusion Criteria: Exclusions:	
- Spontaneous ICH	- IVH > 50% of either lateral ventricle
- Age: 18-80 year-old	- Primary thalamic hemorrhage
- Location: Lobar or anterior basal ganglia	- Infratentorial hemorrhage
- Size : 30-80 ml	- Secondary ICH

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- Exam: GCS 5-14, NIHSS > 5, mRS of 0-1
- Surgery can be done within 24h from LKW

Baseline Characteristics (most patients)		
NIHSS	12-22	
GCS	9-14 in about 80% of patients	
ICH Location	Anterior BG 30%	
	Lobar 70%	
ICH Volume	40-72 ml	
ICH Score	1-2	
LKW-to-Surgery Time	10-21 hour	

Treatment Arms: 150 patients in each arm, minimally invasive para fascicular surgery, done within 24h from last know well, within 2 hours from ED arrival, versus conservative treatment alone.

Surgery	
Door-to-Surgery Time	1-2 hours
Access Device	BrainPath
Hematoma size reduction %	73%
Hematoma size after surgery (mean)	15 ml



Bottom Line: Rapid surgical minimally invasive evacuation of LOBAR ICH, improves outcomes and lowers the need for prolonged ICU stay and decompressive hemicraniectomy

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