

## **Article Appraisal**

Article: Anderson et al. 2014; 368(25):		Lowering in Patients with Acute Intracerebral Hemorrhage. NEJM.	
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Background and Study Obj	(ICH) have been hematoma and the safety and	ortality and functional disability) in acute non-traumatic intracerebral hemorrhage en assumed to be determined by the volume and growth of the underlying d post hemorrhage blood pressure control. The goal of this study was to determine efficacy of early intensive lowering of blood pressure in patients with a intracerebral hemorrhage.	
Study Design	ICH who were hype bleed and GCS <6. while those in the by the NIHSS scale hematoma size wa	ntional, prospective, open treatment, blinded endpoint study enrolling patients 18 years old with spontaneous ertensive (initial SBP 150 – 220 mmHg within 6 hours of onset). Exclusion criteria included structural cause of Patients randomized to the intensive-treatment group were managed to achieve target SBP <140 mmHg, control group were treated as per standard protocol at individual medical centres. Stroke severity was assessed at baseline and periodically up to 90 days. In patients who received follow up imaging at 24 hours, change in s also measured. The primary outcome was death or major disability. Secondary outcomes included an ordinal y on the Rankin scale (added after onset of the study), quality of life (QOL), and safety outcomes.	
Results	a statistically sig significant treati was no differenc	ristics were similar at baseline in the two study arms. Those in the intensive-treatment group had nificant difference in SBP at 1 hour up to 7 days (150 vs 164 mmHg average SBP). There were no ment differences including rate of intubation and ICU admission. Between the two groups there are in primary outcome (52 vs 55% death/major disability), hematoma size, QOL score, or safety anal analysis of the Rankin score showed a significant shift favouring the intensive-treatment	
that into		proposed that their ordinal analysis offered support to their hypothesis ye lowering of SBP improves outcomes. However, the validity of ordinal controversial in the literature, and was similarly questioned at our ordiscussion, particularly as it was added well into the study.	
		were considered to be widely generalizable, as this was an al trial using numerous, site-specific BP management strategies.	
The Bottom Line	Despite the a	und no mortality difference with aggressive blood pressure lowering. Buthors' conclusions that intensive BP management result in better atcome, a critical appraisal of their statistical methods and results strongly are is no significant clinical benefit to a lower SBP following an ICH.	