BLOOD PRESSURE MANAGEMENT IN INTRACEREBRAL HEMORRHAGE

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Learning Objectives

- Recognize the rationale for blood pressure reduction in acute ICH
- Discuss optimal blood pressure targets based on highest quality of evidence available
- Interpret the prognostic implications of blood pressure variability

Key Messages

- Ideal target for BP reduction in acute ICH remains unclear
- Intensive BP reduction does not appear to increase the risk of neurological decline
- Gradual and sustained BP reduction is likely advisable because greater blood pressure variability is associated with worse outcomes
- History of chronic hypertension and initial BP need to be considered when defining the acute antihypertensive treatment plan

Selected References

- Anderson CS, Heeley E, Huang Y, et al. Rapid Blood-Pressure Lowering in Patients with Acute Intracerebral Hemorrhage. N Engl J Med. 2013;368:2355–2365.
- Qureshi AI, Palesch YY, Barsan WG, et al. Intensive Blood-Pressure Lowering in Patients with Acute Cerebral Hemorrhage. N Engl J Med. 2016;375:1033–1043.
- Moullaali TJ, Wang X, Martin RH, et al. Blood pressure control and clinical outcomes in acute intracerebral haemorrhage: a preplanned pooled analysis of individual participant data. Lancet Neurol. 2019;18:857–864
- Hawkes MA, Rabinstein AA. Acute Hypertensive Response in Patients with Acute Intracerebral Hemorrhage: A Systematic Review. Neurology, in press.