

HbA1c is a blood test that is used to help diagnose and monitor people with [diabetes](#). It is also sometimes called a haemoglobin A1c, glycated haemoglobin or glycosylated haemoglobin. HbA1c refers to glucose and haemoglobin joined together (the haemoglobin is 'glycated')

Preoperative [HbA1c](#) is a reliable marker of the potential risk both of SIH and postoperative infections in the selected cohort. Future studies need to assess possible improvements in outcome under more precise monitoring and tighter control of perioperative [hyperglycemia](#) ¹⁾

Elevated blood [glucose](#) is frequently detected early after [aneurysmal subarachnoid hemorrhage](#) (aSAH) and is considered a risk factor for poor neurological outcome. However it remains unclear whether [hyperglycemia](#) is caused by the SAH ictus or reflects a pre-existing hyperglycemic metabolism. In a prospective register Beseoglu and Steiger analysed glycated haemoglobin levels ([HbA1c](#)) in patients with aSAH and its influence on outcome ²⁾

¹⁾

Kulikov A, Krovko Y, Nikitin A, Shmigelsky A, Zagidullin T, Ershova O, Gadzhieva O, Bilotta F. Severe Intraoperative Hyperglycemia and Infectious Complications After Elective Brain Neurosurgical Procedures: Prospective Observational Study. *Anesth Analg*. 2022 Jan 20. doi: 10.1213/ANE.0000000000005912. Epub ahead of print. PMID: 35051950.

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Beseoglu K, Steiger HJ. Elevated glycated hemoglobin level and hyperglycemia after aneurysmal subarachnoid hemorrhage. *Clin Neurol Neurosurg*. 2017 Oct 31;163:128-132. doi: 10.1016/j.clineuro.2017.10.037. [Epub ahead of print] PubMed PMID: 29101862.

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