

Jugular venous bulb

Similar to measuring Mixed Venous Oxygen Saturation ([SjvO2](#)), Jugular Venous Oxygen Saturation ([SjvO2](#)) is a measurement of the amount of [oxygen](#) in the venous blood taken from a [catheter](#) inserted into the [jugular venous](#) bulb. This is not done very often, but you may see a similar trend in oxygen saturation from an [internal jugular vein](#) catheter.

The measurement of [saturation](#) of venous blood as it drains out of brain by sampling it from the [jugular bulb](#) provides us with an estimate of [cerebral oxygenation](#), [cerebral blood flow](#) and cerebral metabolic requirement. [Arteriovenous oxygen difference](#) and jugular venous oxygen saturation ([SjvO2](#)) values per se helps clinicians in identifying the impairment of cerebral oxygenation due to various factors thereby prompting implementation of corrective measures and the prevention of secondary injury to the brain due to ischaemia.

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