

# Jugular venous oxygen monitoring

see [Brain tissue oxygen monitoring](#)

---

Indications for [Jugular Venous Oxygen Saturation](#) or [PbtO<sub>2</sub>](#) monitoring include the need for augmented [hyperventilation](#) ( $pCO_2 = 20-25$ ) to control [ICP](#). Parameters related to the [oxygen](#) content of the blood in the [jugular veins](#) are global in nature and are insensitive to focal pathology. Requires retrograde [placement](#) of the [catheter](#) near the origin of the [internal jugular vein](#) at the base of the skull.

Parameters that can be measured:

[Jugular venous oxygen saturation](#)

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

[https://neurosurgerywiki.com/wiki/doku.php?id=jugular\\_venous\\_oxygen\\_monitoring](https://neurosurgerywiki.com/wiki/doku.php?id=jugular_venous_oxygen_monitoring)

Last update: **2025/04/29 20:30**

