

CO₂ is the most potent cerebral [vasodilator](#).

[Hyperventilation](#) reduces [PaCO₂](#) (hypocapnia), which decreases [CBV](#) but also [CBF](#). The goal is generally end-tidal [CO₂](#) ([ETCO₂](#)) of 25–30 mm Hg with a correlating [PaCO₂](#) of 30–35. Use with care for stereotactic procedures to minimize the shift of intracranial contents when using this method to control [ICP](#).

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