

Thermoception

Thermoception or thermoreception is the sensation and perception of temperature, or more accurately, temperature differences inferred from heat flux.

Lateral medullary [syndrome](#) (also called [Wallenberg syndrome](#) and [posterior inferior cerebellar artery syndrome](#)) is a disorder in which the patient has a constellation of neurologic [symptoms](#) due to [injury](#) to the lateral part of the [medulla](#), resulting in tissue ischemia and necrosis.

Classically attributed to [PICA](#) occlusion, but in 80–85 % of cases the [vertebral artery](#) is also involved ¹⁾. No cases have been reported arising from [brainstem hemorrhage](#).

This syndrome is characterized by [sensory deficits](#) affecting the trunk (torso) and extremities on the opposite side of the infarction and sensory deficits affecting the face and cranial nerves on the same side with the infarct. Specifically, there is a loss of pain and [Thermoception](#) on the contralateral (opposite) side of the body and ipsilateral (same) side of the face. This crossed finding is diagnostic for the syndrome.

¹⁾

Fisher CM, Karnes WE, Kubik CS. Lateral Medullary Infarction: The Pattern of Vascular Occlusion. J Neuropath Exp Neurol. 1961; 29:323–379

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