

Locus coeruleus

The locus coeruleus, also spelled locus caeruleus or locus ceruleus is a **nucleus** in the **pons** (part of the brainstem) involved with physiological responses to **stress** and panic.

The locus coeruleus is the principal site for brain synthesis of **norepinephrine** (noradrenaline). The locus coeruleus and the areas of the body affected by the norepinephrine it produces are described collectively as the locus coeruleus-noradrenergic system or LC-NA system.

Norepinephrine may also be released directly into the blood from the adrenal medulla.

Locus coeruleus syndrome as a complication of tectal surgery ¹⁾

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Kronenburg A, Spliet WG, Broekman M, Robe P. Locus coeruleus syndrome as a complication of tectal surgery. BMJ Case Rep. 2015 Apr 22;2015. pii: bcr2014207018. doi: 10.1136/bcr-2014-207018. PubMed PMID: 25903199; PubMed Central PMCID: PMC4420831.

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