

Neurogenic region (NR)

New neurons are continually born throughout adulthood predominantly in several regions of the brain:

The [subventricular zone](#) (SVZ)

[Striatal interneurons](#)

The subgranular zone (SGZ), part of the [dentate gyrus](#) of [hippocampus](#).

The [nucleus accumbens](#), specifically medium spiny neurons

[Glioblastoma](#) GBM contrast-enhancing recurrence is significantly associated with proximity to NRs. NR-contacting initial tumors were more likely to recur out of radiation treatment fields ¹⁾.

¹⁾

Chen L, Chaichana KL, Kleinberg L, Ye X, Quinones-Hinojosa A, Redmond K. Glioblastoma recurrence patterns near neural stem cell regions. *Radiother Oncol*. 2015 Aug 11. pii: S0167-8140(15)00392-8. doi: 10.1016/j.radonc.2015.07.032. [Epub ahead of print] PubMed PMID: 26276527.

From:

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

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=neurogenic_region

Last update: **2024/06/07 02:58**

