Cortical plasticity

Cortical plasticity is a finely regulated process that allows the central nervous system (CNS) to change in response to internal and external stimuli. While these modifications occur throughout normal brain development, interestingly, they are also elicited after peripheral nerve injury and peripheral nerve surgery. Baldassarre et al. in an article provide an overview of the principal mechanisms of synaptic, neuronal, cortical, and subcortical neuroplasticity, with special attention to cortical and subcortical modifications-as suggested by modern neuroimaging techniques-after peripheral nerve surgery. The main nerve transfer techniques for the superior extremities and their effect on cortical plasticity are also described [1].

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Mei X, Chen YS, Zhang QP, Chen FR, Xi SY, Long YK, Zhang J, Cai HP, Ke C, Wang J, Chen ZP. Association between glioblastoma cell-derived vessels and poor prognosis of the patients. Cancer Commun (Lond). 2020 May 2. doi: 10.1002/cac2.12026. [Epub ahead of print] PubMed PMID: 32359215.