

Neuroblastoma RAS viral oncogene homolog

Pathogenically, single postzygotic mutations in the [NRAS](#) (neuroblastoma RAS viral oncogene homologue; MIM # 164790; at 1p13.2) proto-oncogene explain the occurrence of single/multiple congenital melanocytic nevi (CMN)s and melanocytic and non-melanocytic nervous system lesions in Neurocutaneous melanocytosis (NCM): these disrupt the RAS/ERK/mTOR/PI3K/akt pathways ¹⁾.

¹⁾

Ruggieri M, Polizzi A, Catanzaro S, Bianco ML, Praticò AD, Di Rocco C. Neurocutaneous melanocytosis (melanosis). Childs Nerv Syst. 2020 Oct 13. doi: 10.1007/s00381-020-04770-9. Epub ahead of print. PMID: 33048248.

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