Ki-67 proliferation index

Proliferation-associated antigen Ki-67 is used for the histological evaluation of different tumors.

Antigen KI-67 also known as Ki-67 or MKI67 is a protein that in humans is encoded by the MKI67 gene (antigen identified by monoclonal antibody Ki-67).

Antigen KI-67 is a nuclear protein that is associated with and may be necessary for cellular proliferation. Furthermore it is associated with ribosomal RNA transcription.

Inactivation of antigen KI-67 leads to inhibition of ribosomal RNA synthesis.

see Ki67 for pituitary neuroendocrine tumor.

Fluorescein Sodium-guided resection of malignant glioma (MG) is safe and effective. In the boundary area of MG, fluorescence levels and Ki-67 proliferation index showed correlation. FLS-guided resection achieved the function of “reducing tumor cell,” thus reducing the proliferation index in the lesion area [1)].

1)

Zhang N, Shang Z, Wang Z, Meng X, Li Z, Tian H, Huang D, Yin X, Zheng B, Zhang X. Molecular pathological expression in malignant gliomas resected by fluorescein sodium-guiding under the YELLOW 560 nm surgical microscope filter. World J Surg Oncol. 2018 Oct 1;16(1):195. doi: 10.1186/s12957-018-1495-2. PubMed PMID: 30285781.