

MST1R

Macrophage-stimulating protein receptor is a protein that in humans is encoded by the MST1R gene.

MST1R is also known as RON (Recepteur d'Origine Nantais) kinase, named after the French city in which it was discovered. It is related to the c-MET receptor tyrosine kinase.

A 35-year-old African-American male with von Hippel Lindau syndrome developed Sinonasal renal cell-like adenocarcinoma (SNRCLA). He underwent surgical resection followed by adjuvant radiation and has no recurrence one year from diagnosis. A review of the literature yielded two similar cases in the setting of VHL. In this case with associated VHL syndrome, next-generation sequencing detected MST1R mutation, a possible driver. SNRCLA is an emerging tumor associated with VHL syndrome and it is hoped that future studies shed light on the underlying biology of this unique tumor ¹⁾.

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Maharaj S, Seegobin K, Wakeman K, Chang S, Potts K, Williams B, Redman R. Sinonasal renal cell-like adenocarcinoma arising in von Hippel Lindau (VHL) syndrome. Oral Oncol. 2022 Jan 5;125:105705. doi: 10.1016/j.oraloncology.2021.105705. Epub ahead of print. PMID: 34998175.

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