

Zhu et al. aimed to investigate the role of **MEG8/miR-454-3p/TNF- α** in bone-invasive pituitary neuroendocrine tumors (BIPAs). In this study, they reported that **lncRNA** MEG8 and TNF- α are upregulated in BIPA tissues while miR-454-3p is downregulated, which is associated with poor **progression-free survival** (PFS). Functional assays revealed the role of up-regulated MEG8 and down-regulated miR-454-3p in promoting bone destruction. Mechanistically, MEG8 promotes TNF- α expression by sponging miR-454-3p, which ultimately leads to the occurrence of bone destruction. The mechanism is confirmed in vivo and in vitro. Therefore, this data illustrated a new regulatory mechanism of MEG8/miR-454-3p/TNF- α in BIPAs. It may provide a useful strategy for diagnosis and treatment for BIPA patients ¹⁾.

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Zhu HB, Li B, Guo J, Miao YZ, Shen YT, Zhang YZ, Zhao P, Li CZ. LncRNA MEG8 promotes TNF- α expression by sponging miR-454-3p in bone-invasive pituitary neuroendocrine tumors. Aging (Albany NY). 2021 May 19;13. doi: 10.18632/aging.203048. Epub ahead of print. PMID: 34016788.

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