

42 Patients were analysed for clinicopathological characteristics. qRT-PCR showed that miR-215 was up-regulated in glioma tissues compared with non-neoplastic brain tissues ( $P < 0.05$ ). The up-regulated miR-215 was closely associated with high grade glioma ( $P < 0.01$ ) and poor overall survival ( $P < 0.01$ ). Transwell assay showed that re-expression of miR-215 enhanced migration and invasion of glioma cells. miR-215 also down-regulated retinoblastoma tumor suppressor gene 1 (RB1) expression by targeting its 3'-UTR. Reversely, re-expression of RB1 inhibited partial effect of miR-215 on migration and invasion in vitro.

Re-expression of miR-215 promoted cell migration and invasion of glioma by targeting RB1. miR-215 can thus be used as a biomarker for tumor progression and prognosis in human high grade glioma <sup>1)</sup>.

<sup>1)</sup>

Wei Y, Sun J, Li X. MicroRNA-215 enhances invasion and migration by targeting retinoblastoma tumor suppressor gene 1 in high-grade glioma. *Biotechnol Lett*. 2016 Nov 11. [Epub ahead of print] PubMed PMID: 27837373.

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