The effect of quercetin on the differentiation of neuronal precursor stem cells in the subventricular zone of the brain of adult mice in vitro and the process of neuroprotective regeneration in MS-induced mouse model (EAE)

Branch on the University of Medical Sciences and Researches (EAE)

Dear Colleague,

We conducted a study to investigate the potential of quercetin in promoting the differentiation of neuronal precursor stem cells (NPs) in the subventricular zone (SVZ) of the brain in adult mice. The study was conducted in vitro and focused on the neuroprotective regeneration in an MS-induced mouse model.

The results showed that quercetin significantly enhanced the differentiation of NPs in the SVZ, leading to an increase in the number of neurons. Furthermore, quercetin demonstrated a protective effect against the damage caused by MS, as indicated by reduced inflammation and improved neural function.

We believe that these findings could have significant implications in the development of new therapeutic strategies for treating neurodegenerative diseases. We encourage further research in this area to fully understand the mechanisms involved and to develop more effective treatments.

Please find attached the full manuscript and any additional data or images related to this study.

Best regards,

[Signature]

[Name]

[Title]

[Institution]