

Abstract:

Glioblastoma multiforme is one of the tumours defying the treatment that is currently in use (radiotherapy and chemotherapy). Due to the failure in its complete repression, new methods were developed, methods that do not fulfil the traditional expectation about oncological treatment. But it's these methods that could lead to inhibition of further proliferation and growth of the tumour. Therapies, like anti-angiogenesis, ketogenic diet, photothermal therapy or ferroptosis, can be targeted against the tumour and significantly tip the oncological treatment in favour of patients and doctors. Despite the need to optimize them due to side effects, added toxicity or development of resistance, they play a vital role in the future of oncology.

Keywords: glioblastoma multiforme, oncological treatment; anti-angiogenic therapy, ketogenic diet, photothermal therapy, ferroptosis