

Co-delivery of therapeutic agents using nanomaterials to glioblastoma

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Chemotherapy as a conventional method has not been efficient enough for glioblastoma in clinics. Nanotechnology-based drug delivery are proposed as a efficient methods for enhanced chemotherapy. The benefit of nanomaterials with at least one dimension in the size less than 100 nm in drug delivery systems can be noted to decrease in adverse side effects, penetration into blood brain barrier (BBB) and transport of therapeutic agents to the brain. Co-delivery of therapeutic agents are proposed to have synergic effect and higher therapeutic efficacy in comparison with individual drugs. Therefore, Drug-codelivery by nanocarriers can be suggested as high potential approach for the treatment of glioblastoma.

Biography

Masood Khosravani is MD. he has completed his PhD from I.M. Sechenov First Moscow State Medical University, Moscow, Russia. He is Assistant Professor in the Department of Medical Nanotechnology, School of Advanced Technologies in Medicine, Tehran University of Medical Sciences. He studies on nanocancer and targeted drug co-delivery to cancer tissues with a focus on brain tumors.

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