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Oncolytic Viruses in Cancer Treatment: A Review

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Jun 01, 2017 - The history of adenovirus as an oncolytic agent has been well reviewed. 57 An E1A/E1Bdeleted virus (ONYX015) has been extensively tested and approved for treatment of head and neck cancer in China under the name H101. 58 An integrin-binding retargeted adenovirus, Δ24RGD (DNX2401), has been examined in clinical trials 42,59 in which the maximum tolerated dose (MTD) ...

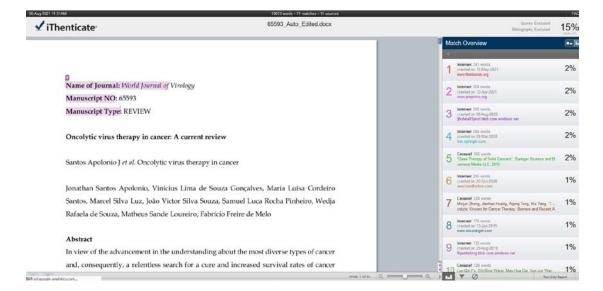
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https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7589713

Oct 12, 2020 - Oncolytic viruses are one such immunotherapeutic tool that is currently being explored in cancer therapeutics. We present the most comprehensive systematic review of all oncolytic viruses in Phase 1, 2, and 3 clinical trials published to date.

Cited by: 6 Author: Mary Cook, Aman Chauhan Publish Year: 2020



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Cited by: 319

Author: Sean E. Lawler, Maria-Carmela Speranza...

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Oncolytic viruses in the treatment of cancer: a review of ...

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Virotherapy is not a new concept, but recent technical advances in the genetic modification of oncolytic viruses have improved their tumor specificity, leading to the development of new weapons for the war against cancer. Clinical trials with oncolytic viruses demonstrate the safety and feasibility of an effective virotherapeutic approach. Strategies to overcome potential obstacles and challenges to virotherapy are currently being explored. Systemic administrations of oncolytic viruses ...

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Author: Md. Zeyaullah, Mohan Patro, Irfan Ahmad...

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Jun 29, 2020 - An oncolytic virus is a virus that infects and lyses (breaks down) cancer cells but not normal cells. Oncolytic viruses can occur naturally or can be made in the laboratory by modifying natural viruses. These modifications started a new era of less toxic cancer targeted virus-based therapies ...

Cited by: 18 Author: Otto Hemminki, Otto Hemminki, João Ma...

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