

Radiation Therapy as a Modality to Create Abscopal Effects: Current and Future Practices

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Abstract

In our empathetic understanding of abscopal effect (AbE), research has shown that the immune system is stimulated by radiation, which results in the formation of an AbE. The AbE is referred to as a response from the irradiated volume. Despite the existence of key gaps in our understanding, there is an urgent need to explore what the underlying effect is. The aim of this article is to argue neurosurgeons and the healthcare practitioner's knowledge of the AbE. Our goal is to identify more gaps in our understanding of the AbE and seal other gaps as well. This study will review medical journals and bring together the most updated information related to AbEs. The study explores diverse criteria depicting regression in lesions located off the irradiation field. The identification of AbE after radiation also has distinct treatment options and effects of immunotherapy. Notably, healthcare practitioners and surgeons are concerned with the patient's health, believing that RT as a modality in creating AbEs helps improve patient health and outcomes. The process guarantees a more precise identification of AbE inductions. Further studies are also expected to improve the sequencing of RIT with RT as a modality in creating AbEs to enact appropriate approaches during the diagnosis and treatment processes to achieve optimal immunogenic responses.

Biography

Dennis Adjepong, MD. MBA is a surgeon intern at Alexandria Surgery Associates in Alexandria, VA. He graduated from Poznan University of Medical Science, Poland. His thirst for research is in the field of Neurosurgery/ Neuroscience. Dennis received his Master's in Business Administration from Strayer

University, Washington DC. He is a member of the International Behavioral Neuroscience Society (IBNS) and American Association for the Advancement of Science (AAAS). He is a published author with 15+ publications. He is an Editorial Board Member for Herald Scholarly Open Access Journal of Surgery: Current Trends & Innovations in Washington DC. Lastly, he has strong background in Computer science and Computer Network Security.