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Measles virus is associated with classic Hodgkin lymphoma and additional cancers - A never ending saga

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The suggestion of a relationship between the measles virus and classic Hodgkin lymphoma was first presented by our laboratory in 2003. Four years later, our hypothesis was refuted conjointly by two European groups. However, our reevaluation of the proposed arguments allowed us to carry on with our line of research. By that time, we submitted evidence of associations between the measles virus and several further solid tumors, including lung and breast cancers. Modulation of apoptosis was later proposed as a possible mechanism in the oncogenesis of classic Hodgkin lymphoma. Measles virotherapy has been excluded from our discussion. Additional evidence has been compiled in the form of Western blots of lung cancers, and of a tissue micro-array in four categories of cancer. The possible role of atypical measles syndrome in cancer, which although a rare condition, but still prevalent, is discussed

in the context of immune waning. Since measles virus and EBV expression were displayed in various combinations, we raise the possibility that their net consequences on tumor cell apoptosis in classic Hodgkin lymphoma, might originate from opposing effects from the two viruses.

Speaker Biography

Daniel Benharroch started his career as an Intern at the Soroka University Medical Center in Isreal in the year 1976. Post his internship, he worked as a resident at the Soroka University Medical Center for several years. Over his career he has been a member of various associations like The Israel Medical Association, The Israel Society of Pathology, The International Academy of Pathology, The European Association of Cancer Research, The Israel Association of Hematology, The European Hematology Association. He also served as a member of Editorial Boeard or reviewer for journals of Clinico-Pathological Conferences in "Harefuah", Leukemia & Lymphoma, Acta Hematologica, The Indian Journal of Cancer. He has taught various courses in numerous universities and is currently serving as a Full Professor of Pathology at The Ben-Gurion University of the Negev in Israel.

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