

Abstract

Lung cancer is formed due to genetic damage to the DNA of airway cells and lung cancer is often associated with smoking tobacco or inhaling harmful chemicals as airway cells acquire the ability to divide uncontrollably, causing tumor growth, and if it is not diagnosed and treated, it spreads throughout the lung, impairing its function.

The tumor eventually spreads to all parts of the body through the process of malignant tumor, and the symptoms of lung cancer are in its stages. Early ones are only detected through diagnostic imaging and are two types of small cell lung cancer and large cell lung cancer. Our study targeted the methodology of statistical research of the disease in the province of Babylon for a period of time before and after the American occupation in 2001 and 2003

Based on the results of the census at the Oncology Center in Babylon Governorate for the years 1985-2022 and from where depleted uranium shells were used in (1991) for the first time against civilian citizens and civilian and military facilities, which led to widespread environmental pollution and negative effects harmful to humans and the environment. The study was interested in analyzing the damages resulting from their use on citizens and the residential areas of the injured were identified, and it was found that many of them had been directly exposed to the aggression shells, such as areas inside and outside the governorate center, and this led to the emergence of various cancers, the most important of which is lung cancer, which was registered by the responsible health authorities in our governorate, which called for our attention to the objective scientific study and careful analysis to investigate the nature of pulmonary carcinogenicity and the causative and contributing factors, so the result was a high percentage of all types of cancers and for both sexes, male and female. In the province, which necessitated the establishment of the Oncology Control Center, which contributed a lot of treatment to the disease and reduce the suffering for them.