

Cell Phone Cancers

Introduction

Mobile communication is the best and easiest way to rule daily life activities. Intelligent owners of mobile phone and smartphone agencies have introduced various services such as internet facilities and applications for video and audio calls for adults and children. These facilities have been tremendously increasing due to smartphone availability for adults and children. Various researches have shown that excessive use of mobile phones among communities is significantly increased in recent years. Also, mobile radiation exposure from smartphones causes health-related concerns and issues among adults and communities (Beaubrun et al., 2018). Research studies have shown that excessive use of smartphones causes increases the risk of cancer. The paper would project a new venture to highlight the changes that occur in people with excessive use of smartphones.

Mobile phones converse by transmitting radio frequency waves through a system of the network. These networks are the base stations for the production of various radiations such as electromagnetic waves and radio waves. Also, studies have shown that these devices are interconnected with antennas with radio transmitters, Wi-Fi, and television (Beaubrun et al., 2018). These household devices are interconnected with each other and continuously release radiations. Electromagnetic radiations are associated with health risks such as cancers and increased chances of cardiovascular diseases. According to an estimate, around 40% of deaths are preventable with proper management if there is reduced contact with smartphones. The preventable deaths are a significant burden among communities and the healthcare sector. Therefore, the factors that cause cancers should be assessed and analyzed and the risk elements should be declined to reduce the likelihood of development of cancers among communities.

In the United States, the California Department of Health has warned people and communities to keep themselves several feet away from the radiation of smartphones. It has been suggested that smartphones increase the risk of cardiovascular diseases and cancers (Melnick, 2019). Also, another study has proposed that cell phones cause mental health disorders and problems related to reproductive systems. Therefore, California has warned people to take extra precautions while using cell phones and sleeping near smartphones. It has been proposed that smartphones produce electromagnetic waves that are harmful to the organs and systems. Excessive use of mobiles and sleeping near smartphones is directly associated with the emission of electromagnetic waves. The waves are not dangerous but can be associated with the development of cancers. Therefore, analysis using biomarkers and blood assessment reports can be effective in identification. Excessive use of mobiles, internet, and smart applications via iPads is increasing therefore, the researches should be conducted in this field. The risk factors should be addressed to decrease the burden of cancers from communities.

Rationale

Since electromagnetic waves are high-frequency waves and are associated with the absorption in the tissues and cells. It has been suggested that electromagnetic waves are not strong enough to cause ionization however, continuous exposure to smartphones causes serious damage to the cells and tissues because these waves are absorbed in the tissues. According to a study, smartphones have no association in causing cancers however, the exposure to these waves consistently is associated with the health problems in children (Luo et al., 2019). Researches have suggested that these waves are not associated with the destruction of DNA bonds or chemical linkages of enzymes because these are of poor intensity. The studies have also proposed that the absorption of electromagnetic waves in tissues can cause mild to serious effects. Therefore,

researchers should plan further analysis and scientific researches to identify the association of smartphone waves and cancers (Beaubrun et al., 2018). The studies are also important because these waves are absorbed in the tissues and cells and therefore, it has to evaluate and assess what effects these waves can cause in tissues. The rationale of the study is to assess the effects that smartphones can cause in healthy tissues. The rationale is to analyze the association between smartphones and cancers.

Hypothesis

The studies have shown that the risk of development of cancers increases with the excessive use of smartphones. As the rationale suggested that the link to the development of cancers and excessive use of smartphones needed to be identified with further researches. Therefore, the absorption of smartphones waves and internet signals into the tissues and cells should be essentially evaluated. There is a positive and strong association of the development of cancers among adults and children due to the excessive use of smartphones (Hasan et al., 2011). There is a positive link among smartphone's electromagnetic waves and increased risk of serious health concerns. My aim is to identify the association of the development of cancers among adults who excessively use smartphones in their daily life activities.

Objective

The aim of the study is to highlight the association of excessive use of smartphones and the development of cancers among adults. The objective of the study would be explored through research among children and adults who would excessively use smartphones and the results of their biomarkers would be presented to evaluate the association.

Materials and Methods

The study would be explored through a research survey of participants who excessively use smartphones for their life activities. The participants would be randomly selected for the research. The materials required for the research would be some advanced level questionnaires by experts that would assess the knowledge and regular use of smartphones of participants (Beaubrun et al., 2018). The questions in the questionnaires would be related to the use of smartphones, internet exploring activities, and the sleeping patterns of the participants. Medical and clinical history of patients would be recorded. The previous medical history of participants would also be recorded.

In the next step, blood tests of the participants would be performed to record the biomarkers. The patterns of use of smartphones among adults would be recorded (Meena et al., 2016). The data would be coded and added in the online software for further analysis such as SPSS. All the related data would be installed in the software and analysis would be performed later after coding information.

The study would be conducted in six months and in the last month, the results of the participants would be recorded. These results would be assessed from their blood tests as well as biomarkers that are particularly related to the indicators of cancers and other disorders. The assessment of the research would be finalized using descriptive analysis and evaluation would be processed. The results would be assessed by the experts and the overall assessment of the research would be presented.

Anticipated Results

I expect that the use of questionnaires and blood test reports of the participants in the research would be an effective methodology for this research to assess the link of development of cancers with excessive use of smartphones. There is a higher probability of the development of cancers among people with regular and excessive use of smartphones therefore, I expect that there

is a significant association among these variables. The research would provide a clear association among these variables as the biomarkers are the significant elements that would highlight that what changes occur with the excessive use of smartphones among communities.



References

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