



ASSIGNMENT 2 (CASE STUDY)

THE IMPACT OF SKIN CANCER ON HUMAN LIFE AND BODY

ETHICAL DIGITAL LITERACY (ICTF 0513)

SECTION: 558

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Case Study Introduction And Objective:

Introduction: Skin cancer is a disease that involves the growth of abnormal cells in humans skin tissues. Normally, skin cells will grow old and die so the new cells form will replace them. If this process doesn't work as it should even after it is exposed to ultraviolet (UV) light from the sun, the cells will grow more quickly. These cells also may be benign which don't spread or cause harm, but they also can be cancerous. Skin cancer also can impact the human body by spreading to nearby tissues or other areas in the human body if it's not caught early. Other than that, skin cancer also will leave such side effects as regrowth of the tumor even after treatment, skin infection and more. In addition, skin cancer can look quite different according to the human's tone skin colour. Lastly, skin cancer will have an impact on the human body and life if it's not caught early.

Objective: The objective of this case study is to study the impact of skin cancer on human life and body. In addition, the purpose of this case study is also to analyze risk factors of skin cancer and to identify the group of people that's more easily affected by skin cancer.

Literature Review:

The impacts of skin cancer including:

1. **Scarring :** After undergoing surgery for recovery, a person will have scars on their skin, depending on the size of the cancer and its location.
2. **Contribution to Lymphedema:** One of the causes of Lymphedema is major surgery in areas with many lymphatic vessels, such as the armpit, neck or groin. This can damage the lymphatic system and lead to swelling.
3. **Financial Burden :** The cost of doctor visits, medications , diagnosis , treatment , and follow-up care may cause burden on patients ,especially in terms of finances.
4. **Stress and Fear :** A person is likely to experience stress and fear after being diagnosed with skin cancer, especially when it involves Melanoma , which is associated with higher risk of death.
5. **Social Isolation :** Visible scars or disfigurement , along with fatigue caused by the illness or treatment may lead a person to experience social isolation.

Analysis:

Risk factors of Skin Cancer:

1. Ultraviolet radiation

- People who expose their skin too much to UV radiation. The main source of such radiation is sunlight, tanning lamps and booths.

2. Race

- People with fair skin, red or blonde hair have a higher risk to get a skin cancer because they have less melanin which is a pigment that gives your skin its color. Less melanin can cause someone to get sunburn more easily, thus increasing their skin cancer.

3. Many moles or freckles

- Normal freckles and moles are typically tan or brown and had a round or oval-shaped. If they are getting larger, painful, bleeding itchy or scabby, they could be cancerous.

4. Personal and family history:

- If a close relative has had a skin cancer before, it might be a higher risk to the family generations to get a skin cancer. Furthermore, if a person already got skin cancer before, they are at a higher risk to get it again.

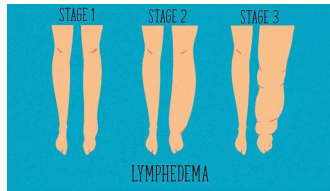
5. Gender

- In 2022, there were more than 331,722 new cases of skin cancer. According to World Cancer Research Fund, skin cancer rates in 2022 shows the rates of skin cancer by gender. Totally, men had 179,953 cases while women had 151,769 cases of skin cancer worldwide. In conclusion, men are more likely to develop skin cancer than women.

FINDING AND RESULTS:



This is an example of the impact of skin cancer on human body. This is called as Morphoeic basal cell cancer that affects human skin by leaving scar on it. It's looks like a sore area on the skin that doesn't heal. It's might make the skin look coloured, waxy, like a scar or thickened area of skin that's very slowly getting bigger.



Major surgery in areas with numerous lymphatic vessels may cause Lymphedema.

BOOLEAN search used:

1. "skin cancer" AND ("social impact" OR "economic burden") AND ("public health")
2. "The impact of skin cancer" OR " Why skin cancer is dangerous"
3. "Skin cancer" OR "Cutaneous carcinoma"
4. "skin cancer" AND "impact" AND (health OR psychological) AND "treatment outcomes"

CONCLUSION :

Based on our research, it's clear that skin cancer not only affects the physical health of individuals, but also affects their psychological, social, and financial aspects. The disease can cause permanent scarring, contribute to lymphedema problems, and lead to mental stress, fear, and social isolation. These findings emphasize the importance of early awareness, prevention through protection from UV radiation exposure, and effective treatment to reduce its adverse effects. With the right education and support, society can better understand and deal with the challenges associated with skin cancer.

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