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COURSE: BCH 308

DEPARTMENT: PHYSIOLOGY

MATRIC NUMNER: 17/MHS01/122

ASSIGNMENT

1. What do you understand by primary obesity

I understand that obesity can be called primary and secondary and primary obesity is defined as a state of having excess adipose tissue in the body.

1. How does drug therapy and congenital syndrome affect secondary obesity?

1. HOW DRUG THERAPY AFFECT SECONDARY OBESITY

I understand that secondary obesity is a medical condition that causes one to gain weight these diseases includes endocrine disorders, hypothalamic disorder and congenital conditions etc.

These diseases that leads to obesity has different drug therapy that the patients undergoes and these drugs has different effects on the patient that is experiencing secondary obesity which can rather be a positive or negative effect, positive effect will be when the drugs contribute to the reduction of the weight gained and negative would be when the drugs contributes to weight gain.

For example it is known that patient with obesity are known to have depression, but certain antidepressant are known to cause weight gain these anti-depressants are known as :

Tricyclic antidepressants: Amitriptyline (Elavil), amoxapine, desipramine (norpramin) etc.

Some monoamine oxidase inhibitors Phenelzine (nardii),Isocarboxazid (marplan),Tranylcypromine (parnate).

1. CONGENITAL SYNDROME AFFECT ON SECONDARY OBESITY

There are certain congenital syndrome can lead to obesity these include :

1. THE PRADAR WILLI SYNDROM

This is a genetic condition that is characterized by weak muscles tone known as hypotonia, feeding difficulties, poor growth and delayed development it is known that those with these conditions are known to develop obesity.

1. HYPOTHYROIDISM

This refers to a condition in which the thyroid is a condition in which the thyroid gland produces an abnormally low amount of thyroid hormone, this may directly or indirectly affect the thyroid gland and affect the body growth.

1. CUSHINGS SYNDROME

This is a condition that occurs from exposure to high cortisol levels for a long time , than cortisol is a steroid hormone that produced by the adrenal gland ,when released into the blood stream it helps the body responds to stress and danger and increases body metabolism of glucose .

1. POLYCYSTIC OVARY SYNDROME

This is a hormonal disorder causing enlarged ovaries with small cysts on the outer edges , this can result from abnormal function of hypothalamic pituitary axis , women with this syndrome are known to have higher than normal amount of male hormone , this hormone imbalance causes them to menstrual periods and make it harder for them to get pregnant .

1. DISCUSS THE AETIOLOGY OF CANCER

This is caused by changes to the DNA within the cells packaged into larger number of individual genes each of which contain a set of instructions telling the cell what function to perform as well as how to grow and divide error in the instruction can cause the cell to stop its normal function and may allow a cell to become cancerous, the substance that causes cancer are called carcinogens, a carcinogen may be a chemical substance such as molecules in the tobacco smoke. The causes of cancer may be environmental agents, viral or genetic factor.

There are certain risk factors includes :

1. AGE

Cancer can take decades to develop that is why most people diagnosed with cancer are 65 or older, while it’s more common in older adults cancer isn’t exclusively an adult’s disease it can be diagnosed in any age.

1. HABITS

Certain life style can be a major risk factor cancer such as drinking alcoholic drinks often, smoking excessive exposure to the sun or frequent blistering.

1. INHERITED GENES

Few cause of cancer can be due to inherited condition

There are different causes of cancer and they include genetic environmental or constitutional characteristics of the individual.

1. Environmental exposure for instant to random UV radiation .
2. BACTERIA AND VIRUSES THAT CAUSES CANCER.

* Helicobacter pylori (h. pylori).
* HBV, HCV hepatices viruses that causes hepatices .
* HPV human papilloma virus that causes changes in cervical cells.
* EBV Epstein Barr virus /the herpes virus.

1. DRUGS

Certain medications mar be a risk factor for cancer like certain antineoplastic agents etc.