Differences Between Women And Men Skeletal Systems

Skeletal System

1) Introduction:

Have you ever tried to imagine how a human body would look like without the skeletal system? If so, the human body would be soft, with no bones which will lead to having a wobbly pile of skin that contains muscles and internal organs. The skeletal system is one of the most essential systems in the human body, as it is known to be the body's central framework. The skeletal system is also called the musculoskeletal system; it consists of bones and connective tissue; the connective tissue includes cartilage, tendons, and ligaments. The skeletal system is connected to other systems like the nervous system and the muscular system. The skeletal system has numerous functions, besides giving the human shape and features. It supports the bodyweight, which makes you able to stand and move, so it allows movements. The human bones contain bone marrow which inside them the red and white blood cells are produced; so it produces blood cells. It protects and supports organs, as the backbone protects your spine and your skull shields the human brain. The skeletal system also stores minerals as the body supply of minerals like calcium and vitamin D are held by the Bones. It is a system of many parts that collaborate together to help the body move. The main part consists of bones, hard structures that create the body's skeleton system. In an adult, the skeletal system includes 206 bones. Women and Men don't share identical skeletal systems, but in fact, women are created with a weaker one due to several reasons one of the most important reasons is pregnancy.

2) Research Question:

Why do women and men have different skeletal systems and is that related to women's pregnancy? Also is there a risk for women to live with a weaker system after pregnancy?

3) Hypothesis:

If we studied women skeletons then we would figure out that women have a weaker system than men, one of the factors of that cause is pregnancy.

That is an adult skeletal system that is made up of 206 bones. This image above shows some of the adults' bones in the skeletal system.

4) Differences between women and men skeletal systems:

Across ages both women and men respond and grow differently, yet they both need strong bones and skeletons. The gender differences between them in muscle mass are not obvious at birth or even until puberty, but the pattern of the growth of the bone in boys are different from girls. As according to puberty and the pubertal growth spurt, boys have 2 more years than girls of growth before puberty and the pubertal growth continues for four years, but for girls, it lasts for 3 years. When women and men reach the early 20s, they reach peak bone mass. Peak bone mass is the consolidation of total bone mineral enlarged over childhood and adolescence

years. If the peak bone mass increased in women to ten per cent or more, there might be a probability of fifty per cent to reduce the fracture in women after menopause. One of the most important phases of the bone health and growth of a human is adolescence as it is a critical phase in adult life. It is important to achieve.

According to the biological sex of humans' bodies, women and men are different. There is nothing such as a "sex change", that is medically impossible for men to be women or the opposite. The humans' body is affected by biological sex in all means; it notifies and informs the bodily structure and function, health outcomes and even metabolic processes.

Men and women have different sizes of bones:

Male have bigger and stronger bones according to both the size and density. As women age, they lose their bones much faster than men. The Peak bone mass of the Male is about fifty per cent more than women's. There are no differences between the white and Black people in women's peak bone mass as it is the same, but in general black people have stronger bones than white people.

Body Size:

Men and women differ in body size, as men have bigger heads and longer arms and legs than women. Women have smaller and lighter heads and necks but in both a human head weight about five kilograms.

Women elbows and shoulders are different when compared to men's. Women's arms can bend a bit further from the body as they are also further portable at both joints.

Women have extra reproductive organs and contain extra space than men for it to be pushed away during pregnancy, which results in making women's legs shorter than men's.

Since females are responsible for childbirth and pregnancy, they are created with larger, wider and longer pelves than men. Women's pelvis is composed together by ligaments that soften during pregnancy. In which it later because of the narrow pelvis, t allows the 2 halves to slide apart. Female's thigh bones add more pressure to the knee joints, which results that it having to rotate while men don't.

According to body size, men have a bigger brain by ten per cent more than women's brains, and women's skull is ten per cent thicker than men. Women's brain uses both sides more than men as they have relations between the 2 hemispheres. Men Skulls contains bony ridges on the brow line and a heavier and sharper haw.