



Physiotherapy

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Physical Therapy, also Known as physiotherapy, is a branch of medical science where physical measures such as heat, light, ultrasound, electricity, and exercises are used in the diagnosis and treatments of orthopedic injuries.



There are many different types of physiotherapists, also known as physical therapists. Each focuses on a different kind of patient and their common injuries and conditions. For example, orthopedic physical therapists manage and treat issues with a patient's musculoskeletal system.

Geriatric physical therapists help older adults deal with common ailments that come with age. Neurological physiotherapists work with patients who suffer from neurological disorders or diseases. Cardiovascular and pulmonary physiotherapists treat patients suffering from heart and lung conditions. Pediatric physiotherapists only treat children and collaborate with pediatricians to create a treatment plan for their patients



How dose physics related to physiotherapy:

Physics is the study of matter, motion, [energy](#), and forces. It includes concepts of gravity, electricity, magnetism, heat, light, and radioactivity.

Physical therapy is the treatment of the human disorders through physical motions of the body. It is typically used to help in the recovery from injury, surgery, or an impairment through the stretching or strengthening of parts of the body. These conditions typically involve muscles, bones, tendons, nerves, and skin.

One is manipulating physical objects with forces when doing physical therapy. The methods of physics are useful in understanding how much force a patient is able to exert or in measuring a range of motion. But mostly, the names for these two fields just share the same root word. They concern themselves with physical objects and the motions of those objects.



Physiotherapy are two types:

1. Passive physiotherapy
2. Active physiotherapy

And according to period of treatment, divide into:

1. Short term physiotherapy
2. Long term physiotherapy



Homework:

What are the laws of physics used in physiotherapy?