

Editorial

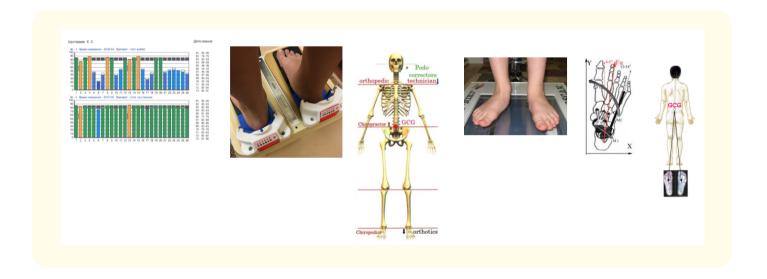
Biomechanics the Stop Basis of any Therapy

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Unlike traditional mechanics, biomechanics studies the versatile movements of a person. The basis of biomechanics is the knowledge of human physiology and anatomy, geometry and mathematics, physics and theoretical mechanics. Unfortunately, studying the scientific works of modern scientists, one can state that they do not possess fundamental knowledge of these disciplines. Their works do not reflect the concept that the movement is aimed at maintaining the metabolism of body cells. That the skeleton rests on the arches of the feet, where the main ones are the outer and transverse supporting arches, but not the inner one. The function of the internal arch is to dampen the speed of transfer of the leg to zero in order to start moving from the other limb. Its overturning begins after the contact of the cuboid bone with the external arch of the support, from which there is an overturning moment of forces, which unfolds the arch on the spherical protrusion of the calcaneus of the subtalar joint. The turn of the internal arch occurs both in the presence of a difference in the lengths of the legs, and in the wrong gait with the feet turned outward. This happens every time when the projection of the BCT of the body goes beyond the area of the reference triangle of the feet. The fact that each individual has an anatomical and functional difference in the length of the legs is not taken into account when correcting the feet and spine. Doctors do not know how to determine and compensate for it, that this is the sum of anatomical and functional shortening, they do not know how to compensate for them in order to eliminate scoliotic posture. For the same reason, you will not find a pair of properly made shoes in which the anchor points of the heel and tufts would coincide with the anchor points of the arches of the feet. No one will tell you what muscle tone and what height the heel will correspond to the neutral position of the arches of the feet. Hence, 80% of people feel cold feet and hands, a violation of arterial blood flow, hypertension is diagnosed. In a word, there is no understanding in biomechanics that all diseases in the body are associated with disorders in the work of musculoskeletal pumps, with the presence of deformities, deviations from the neutral position of the joints. All these deviations are a

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consequence of the anatomical difference in the lengths of the legs that each of us has, the deviation of the body's BCT from the vertical axis of the body. The specialist thinks that he is correcting the feet, but working at the level of the ankle joint, the load is not taken into account - the position of the body's BCT, displacements in the joints of the skeleton up to the level of the vestibular apparatus. Knowledge of the laws of hydraulics allows the use of a hydrostatic device to obtain footprints in a standing position, when the weight of the body is evenly distributed over the entire surface of the soles. In this case, the body occupies a strictly vertical position when the difference in leg lengths is compensated and the arches are brought to a neutral position. So simply and quickly the musculoskeletal frame of the body is removed, the normalization of cell metabolism and all biological processes in the self-regulating system of our body is achieved. This indicates that orthopedic functional correction is the fundamental basis for restoring the functionality of the body. Any therapy should begin with it. Computer diagnostic systems and patient reviews indicate that in case of any disease, the body instantly normalizes and stability in the body occurs within the first seven days of walking on podo-correctors.

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