

## Limb Shortening is The Root Cause of All Diseases

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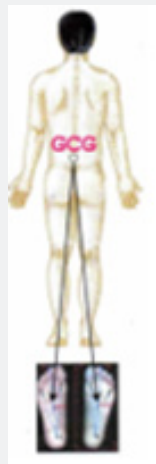
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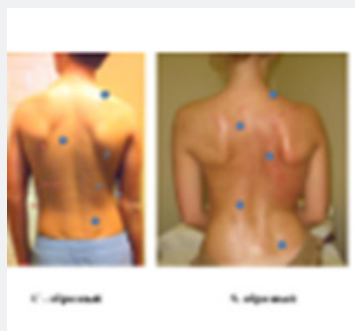
### Opinion

According to the theory of probability, no two things are the same in nature. So, each of us has a different leg length. The question of the possibility of determining shortening is interpreted in different ways. Medicine explains this by a difference in muscle tone, a congenital bone disease - a breakdown in the genes, which is inherited. The question of the presence of shortening should be considered in connection with the displacement of the body's GCG relative to the area of the support triangle of the feet, its center of gravity (Figure 1).

This is due to the presence of an anatomical difference in the lengths of the legs. All functional displacements in the joints of the skeleton, in the structures of the legs and spine, with the deviation of the head and vestibular apparatus from the vertical position begin with it. So, the vestibular apparatus, together with the central nervous system, maintain the vertical position of the body (Figure 2). So, there are violations of the balance of forces in the structures of paired muscles, spasms. Depending on the size of the anatomical component of shortening and muscle tone: hypotonicity or hypertonicity, 80% of people develop a C-shaped and less often 20% S-shaped posture, scoliosis (Figure 3).



**Figure 1:** The displacement of the body's GCG relative to the area of the support triangle of the feet.



**Figure 2:** The vestibular apparatus, together with the central nervous system, maintain the vertical position of the body.

Anatomical shortening and compensation under the limb can be represented as the difference between the measured value (Huk) and the sum of functional deviations in the joints of the skeleton (Hf) in the following form:  $H_a = (H_{uk} - H_f)$  (Figure 4). The amount of compensation under the limb will be equal to half of the measured value, which is determined from the kinematics of the construction of the pelvic bones, by analogy with weights. All this becomes clear only when working with a measuring device installed on the diaphragms of communicating vessels. From this formula it follows that in order to measure and compensate for the anatomical difference, it is first necessary to

compensate for functional deviations in the joints of the overlying skeletal structures (Figure 5). For this, hydrostatic installations were developed based on the knowledge of Pascal's law and communicating vessels. So, standing on the diaphragms of communicating vessels, the length of the limbs is compensated, the spine is aligned, and the body is in a weighted vertical position. The print will show in what position and at what height of the heel the arches of the feet are in a neutral position and what is the difference in leg lengths (Huk). After that, standing on the sub correctors on the measuring device, the anatomical component of the difference ( $H_a$ ) is compensated (Figure 6).

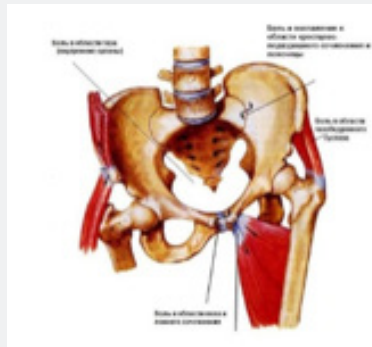


Figure 3: The size of the anatomical component of shortening and muscle tone: hypotonicity.

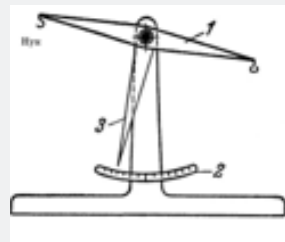


Figure 4: Anatomical shortening and compensation under the limb can be represented as the difference between the measured value (Huk).

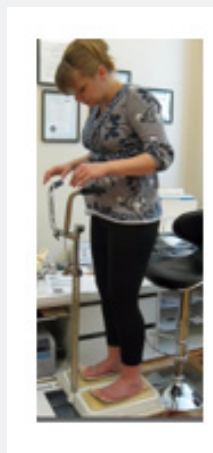


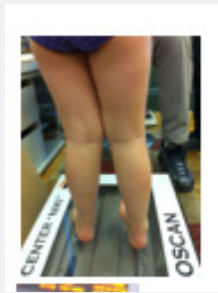
Figure 5: To measure and compensate for the anatomical difference, it is first necessary to compensate for functional deviations in the joints of the overlying skeletal structures.



**Figure 6:** The print will show in what position and at what height of the heel the arches of the feet are in a neutral position and what is the difference in leg lengths (Huk).

No one can correctly determine which limb and how much shorter when you are standing on the floor with already existing functional displacements in the joints. According to the use of hydraulic systems over the past 40 years, the anatomical difference in the length of the legs in the last 20 years has become more than 6-15 mm (Figure 7). Most parents do not know how and why to swaddle a child in the first months after birth. They are not taught how to do it. Pay attention to the position in which

many people's feet are held. The difference in the lengths of the legs is not only the cause of the skew of the sacrum of the spine at the iliac-sacral joints, but it is also a skew of the birth opening in women, due to which the child receives a brain injury during childbirth. This is the reason for hyperactivity in more than 80% of preschool children. This is not a hereditary factor, the mother's birth opening of the pelvis is skewed, she has scoliosis, disturbances in the functioning of the body.



**Figure 7:** The use of hydraulic systems over the past 40 years, the anatomical difference in the length of the legs in the last 20 years has become more than 6-15 mm.

Hip joint problems are another of the problems associated with the destruction of the hip joints in athletes. Medicine does not know that the shortening can be eliminated, to correct the scoliotic posture (Figure 8). It is possible to measure the length of the legs only in the standing position on the diaphragms of

the communicating vessels when the General Center of Gravity of the body is brought to the CG of the reference triangle of the feet. Only if this condition is met, it is possible to eliminate the deformities of the arches of the feet, the spine, and hence all diseases of the body (Figure 9).



**Figure 8:** To measure the length of the legs only in the standing position on the diaphragms of the communicating vessels when the General Center of Gravity of the body is brought to the CG of the reference triangle of the feet.



**Figure 9:** It is possible to eliminate the deformities of the arches of the feet, the spine, and hence all diseases of the body.

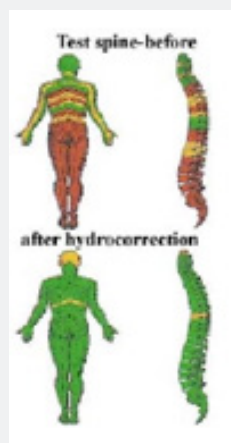
Already a year after functional correction and walking on podo-correctors, it is almost impossible to determine the difference in the lines of the legs and the fact that there was scoliosis of the 3rd degree. For 8 months, all cells are updated in conditions of correct correction of the musculoskeletal frame of the body, the work of the whole organism is normalized (Figure 10). Therefore, we have the right to say that the functional correction of the musculoskeletal framework is the therapy of a self-regulating organism. All orthopedic rooms and shoe stores should be equipped with hydrostatic correction systems (Figure 11). Compensation for the difference in leg lengths should

underlie the manufacture of orthopedic insoles for athletes, military personnel to unload the spine, restore arterial blood flow. Orthopedists do not do this; they do not understand that their work underlies the therapy of a self-regulating system.

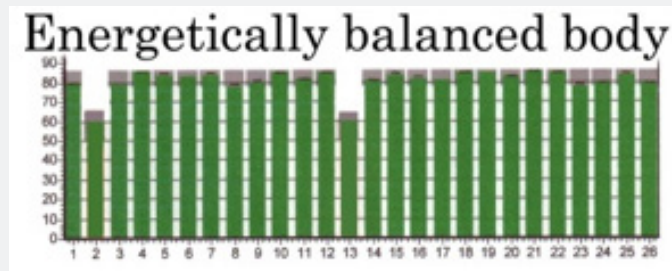
Today, hydraulic systems are equipped with devices for testing the state of the spine and the functional state of the body, which allow patients and doctors to show how the body is restored as a result of correction. The material of the insoles is a polar polymer that captures information about the energy state of the body when footprints are taken. This is how the body regenerates itself with its own information (Figure 12).



**Figure 10:** All cells are updated in conditions of correct correction of the musculoskeletal frame of the body, the work of the whole organism is normalized.



**Figure 11:** The functional correction of the musculoskeletal framework is the therapy of a self-regulating organism . All orthopedic rooms and shoe stores should be equipped with hydrostatic correction systems.



**Figure 12:** The material of the insoles is a polar polymer that captures information about the energy state of the body when footprints are taken.



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