

The impact of the work „Affecting of respiratory parameters by co-activation of diaphragm with other trunk muscles” was to confront actual knowledge and relation between postural and respiratory kinesiology, observe interconnection of their control by the central nervous system and their participation during ontogenesis.

The influence of respiratory motor pattern on respiratory functions and on relationship between postural and respiratory system within pathology of respiratory function was measured by a spirometric, a spiroergometric and a functional examination of locomotor system. The study was carried out using a group of probands, who were selected according to the spirometric and the spiroergometric examinations. Some of them had the values of spirometric parameters either at the limit or outside the limit of reference values.