

The aim of this theses is to summarize some informations concerning to the problematic of cardiovascular system in patients with spinal cord lesions and to take into consideration the impact that training with the Lokomat using body-weight support and movable walkway, has in organism. The practical part of this work consists of heart rate and blood pressure measurements, provided during therapy using Lokomat to tetraparetics and paraparetics pacients. Heart rate increases paralelly with the in creasing intensity of exercise and stabilizes approximately after 5 minutes. This suggests that therapy using Lokomat is a dynamic physical activity and can be used to improve the rehabilitation process and condition of the patient generally.