*Rezunenko О., Rushubiza L.*

**THE INFLUENCE OF THERAPEUTICAL PHYSICAL TRAINING ON THE**

**RESPIRATION AND CHEWING FUNCTION OF PATIENTS WITH THE**

**FRACTURES OF THE LOWER JAW**

Kharkiv national medical university

Department of physical rehabilitation, sports medicine with a course of physical education and health

Kharkiv, Ukraine

*Research advisor: ass.prof. Rezunenko О.V.*

**Introduction.** Data from the literature indicates that therapeutic gymnastics is becoming more

widespread in clinics of various types, including those with maxillofacial injuries.The purpose of

the study: to study the effect of the direct effect of the procedure of therapeutic gymnastics on the

patient's body with fractures of the lower jaw.

**Materials and methods.** Materials and methods of investigation: we conducted observations of the

direct reaction of the body to a standard set of physical exercises in 32 patients. With this, attention

was paid to the general condition of the patients under examination, pulse and respiration were

counted, blood pressure, vital capacity of lungs, strength and expiratory power were measured, and

the degree of mobility of the lower jaw was determined. All these data were taken into account by us

both before the procedure of therapeutic gymnastics, and immediately after physical exercises.

**Results.** On the third day after treatment (operative or orthopedic), as well as during discharge of

patients from the clinic, the studies allowed us to identify a number of features of the direct action of

physical exercises on the body of patients with fractures of the mandible. The majority of patients

well tolerated physical activity.

**Conclusion.** Therapeutic gymnastics, included in the complex treatment of patients with fractures of

the lower jaw, increases and improves the adaptive capacity of the body to physical loads, due to

which there are positive changes in their subjective and functional indices.