

Abstract:

**Title:** Hyperventilation in diving

**Objectives:** The main goal of this labour is to find out, if hyperventilation and inhalation of high-percent oxygen has influence on sport effort in diving. Also outline possible danger and hazards in diving. Very important goal of this labour is to inform reader about diseases and shocks connected with diving, and first aid when they come actual.

**Methods:** In this labour, I used analysis method of documents. It was mainly used literature sources related to human physiology and scuba diving.

**Results:** From this labour results, that hyperventilation and inhalation of high percent oxygen rises achievement at free diving and may have positive influence in short route swimming. The rest of this labour has mainly informative character about physiology and dangers connected to diving. Labour can serve as informative material for beginning divers.

**Keywords:** hypoxya, ventilating, oxygen, acidosis, tetany