

Training Isolated Respiration in Rehabilitation

Authors : Marketa Kotova, Jana Kolarova, Ludek Zalud, Petr Dobsak

Abstract : A game for training of breath (TRABR) for continuous monitoring of pulmonary ventilation during the patients' therapy focuses especially on monitoring of their ventilation processes. It is necessary to detect, monitor and differentiate abdominal and thoracic breathing during the therapy. It is a fun form of rehabilitation where the patient plays and also practicing isolated breathing. Finally the game to practice breath was designed to evaluate whether the patient uses two types of breathing or not.

Keywords : pulmonary ventilation, thoracic breathing, abdominal breathing, breath monitoring using pressure sensors, game TRABR TRAIning of BReath)

Conference Title : ICSRD 2020 : International Conference on Scientific Research and Development

Conference Location : Chicago, United States

Conference Dates : December 12-13, 2020