Diploma thesis "Interaction in multisystemic problems of bronchopulmonary dysplasia – effects of physiotherapy upon lung functions of immature infants" deals with relevant questions about care of immature newborns both during hospitalization at NICU and after discharge, inclusive of examination at Center for comprehensive care for risk newborns. Especially deals with possibilities of physiotherapy of newborns with bronchopulmonary dysplasia pathology and demonstrates the necessity of tight cooperation among physiotherapists, nurses and doctors during daily care of these children.