

This work is aimed at the development of posture and movement in pre-school children. Specific focus is placed on the control of posture and movement of vestibular apparatus. The study is drawn upon thorough research of Czech and English literature; and initially, some information was gained from foreign articles published in electronic magazines. The study concerns pre-school children and its emphasis is hence put on this particular period of human development.

In presented findings, particular focus is put on anatomy, embryology, and neurophysiologic aspect of vestibular apparatus. The overview is chronologically structured and goes from prenatal to pre-school stage.

The impact of vestibular apparatus on development of movement is reflected in consequent improvement of motoric skills. The work focuses on the impact of vestibular system on the control of posture in pre-school children, and its increasing responsibility for control of posture and movement in relation with visual sensory and somatosensoric system.

The case study concerning motorics of healthy children serves as a useful tool in verifying the findings about the impact of vestibular apparatus on the control of posture.