

## ABSTRACT

The aim of this study is definition reference values including reference equations for parameters P<sub>I</sub>max, P<sub>E</sub>max and P<sub>0.1</sub> of the normal Czech population aged 14-15 years. 102 subjects were examined for this purpose (55 boys and 47 girls). Except the reference values for boys and girls, this work includes correlations of mouth pressures with anthropometric data and also with other spirometric parameters. In case of boys were found a significant correlation of P<sub>E</sub>max parameter with weight, BMI and PEF. In group of boys we also found a correlation of P<sub>I</sub>max with BMI and P<sub>I</sub>max with IC. Parameter P<sub>0.1</sub> correlates only with V<sub>T</sub>. In group of girls we found a significant correlations of P<sub>I</sub>max, P<sub>E</sub>max and P<sub>0.1</sub> with PEF and MEF<sub>25</sub>.