**Assessment of Respiratory Function in SCA-3 Ataxia**

**Results**

Twenty (62.5%) healthy controls and twelve (37.5%) patients with SCA3 with mean age difference (34.9 vs 44.8; p=0.01) and BMI (34.9 vs 22.4, p<0.01) were studied. In the SCA3 group, there was a correlation between age and MIP (rho=-0.62; p=0.03), the Berlin scale (rho=0.65; p=0.02) and the Borg scale (rho=0.75; p=0.02) and duration of the disease with FEV1 (rho=-0.63; p=0.02). Regarding anthropometric data, there was a correlation between cervical circumference and Berlin scale (rho=0.62; p=0.03). Correlation of the SARA score with disease duration (rho=0.61; p=0.03) and the ICARS score with FVC (rho = -0.69; p=0.01) and FEV1 (rho=-0.59; p=0.04). A strong positive correlation was also observed between the scores of the SARA and ICARS scales (rho=0.96; p<0.01) in the SCA3 group.