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Breathing Pattern in Subjects with Borderline Personality Disorder in Pain Test

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Individuals with borderline personality disorder (BPD) are more likely to experience pain and assess the pain as more severe than individuals with other personality disorders. Actual study researched psychophysiological reactivity of subjects with BPD by studying the breathing pattern and pain test. The study proceeded in two stages: first stage - psychometric testing using Personality Inventory for DSM-5 (PID-5; DSM-5 - Diagnostic and Statistical Manual of Mental Disorders); second stage included recording the parameters of the breathing pattern in resting state and pain test by compression of the middle third of the left shoulder. Time parameters of breathing pattern were significantly different between groups, unlike volume parameters. Pain test produces changes in breathing parameters in both groups, but in different way. Pain test appears to be a valuable method to detect psychophysiological changes in patients with BPD.