Determination of radiographic changes in patients treated with chiropractic manipulation

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The biomechanics alterations make a dysfunction at the neuro-control system joint. The purpose of this study was to analyze the radiographic biomechanical changes in students from UNEVE treated by chiropractic manipulation. We used n=32 students, 71.9% was female and 28.1% was male. We obtained radiographic measures before and after the chiropractic manipulation. The plan of chiropractic treatment was by 2 times per week by 4 weeks. Our results showed changes statistically significant at the biomechanical parameters evaluated. The Ferguson angle in female (39.2±41.3-41.3±6.28 p≥0.02) in right iliac flexion mal position in male (214.8±16.3-220.4±16.1 p≥0.04), in the posterior analysis of the manipulation at the evaluation between male and female, we observed significant changes in the right iliac flexion mal position (220.5±14.26-207.9±10.43 p≥0.001) and left (220.4±16.1- 207.9±11.45 p≥0.01), right rotation iliac (49.8±6.88-43.9±5.27 p≥0.01), therefore, the study showed a correlation between right iliac and left iliac (coefficient r .93, p≥0.0001) and right rotation iliac flexion mal position, in connection with right rotation iliac and left rotation iliac (coefficient r .75, p≥0.001), the statistical analysis show us significant changes posterior of chiropractic manipulation. The chiropractic manipulation modified the biomechanics of the spine, performed by eight sessions; therefore, we propose that this kind of treatment will impact positive way at the biomechanics dysfunctions with an increased number of sessions.

Biography

Juan Jose Saldaña Mena has completed Doctor of Chiropractic degree at University of the Valley of Ecatepec (UNEVE). He is pursuing his Master's in Education at Universidad ETAC. He is a Faculty member and Researcher at UNEVE.

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