

Mechanical Effects On Soft Tissues During Acupuncture Needling

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Acupuncture is a Traditional Chinese Medicine (TCM) technique used in Asia for more than 2500 years. During acupuncture needling hair thin needles are used to prick the body with various manipulation techniques like twisting-rotating, lifting-thrusting, etc. Its curative effects are well known but its quantitative effects are not fully explained yet. To analyse the effects of needling at specific points (acupoints) we considered a one-dimensional model by taking soft biological tissues as porous hyperelastic materials with the help of Finite Element Analysis. The developments are used to explain precisely the acupuncture needling effects on human body.