

Measurement of Rheologic Properties of Soft Tissue (Muscle Tissue) by Device Called Myotonometer

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Abstract : The purpose of the research described in this work is to answer how to measure the rheologic (viscoelastic) properties tendo-deformational characteristics of soft tissue. The method would also resemble muscle palpation examination as it is known in clinical practice. For this purpose, an instrument with the working name "myotonometer" has been used. At present, there is lack of objective methods for assessing the muscle tone by viscous and elastic properties of soft tissue. That is why we decided to focus on creating or finding quantitative and qualitative methodology capable of specifying muscle tone.

Keywords : rheologic properties, tendo-deformational characteristics, viscosity, elasticity, hypertonus

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