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## » Journal Abstract

Analyse of maximum force of tip pinch, lateral pinch and palmer pinch in relation to maximum hangrip force

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The aim of the presented study was to develop a mathematical relationship expressing the pinch forces (tip pinch, lateral pinch and palmer pinch) in relation to handgrip force which will make it possible to determine maximum force for those three pinches in relation to upper limb location and gender. The predictive equation expressing maximum handgrip force in relation to upper limb location and gender has been developed on the basis of accessible data. By adopting the predictive equation of the maximum handgrip force, an analysis of pinch force values in relation to upper limb location was also performed. The developed relationship could be very useful in assessing maximum pinch forces for creating norms in sport, rehabilitation and occupational settings.

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**FULL TEXT** 678 KB

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