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Effect of Stable and Unstable Surfaces on the Serratus Anterior Muscle Activation in a Kinetic-chain Exercise Among Healthy Adults

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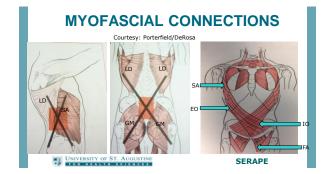
Kaur, Navpreet; Bhanot, Kunal; and Ferreira, Germaine, "Effect of Stable and Unstable Surfaces on the Serratus Anterior Muscle Activation in a Kinetic-chain Exercise Among Healthy Adults" (2018). *Physical Therapy Collection*. 28. https://soar.usa.edu/pt/28

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> Presented by Navpreet Kaur, PT, DPT, PhD, MTC Co-Investigators Kunal Bhanot, PT, PhD, MTC, CMTPT, FAAOMPT Germaine Ferreira, PT, DPT, MSPT

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METHODS Subjects

21 healthy males with mean age 26.7 \pm 2.6 yrs.

 $\underline{\it Muscles\ Analyzed}$ SA, LD, and EO muscles on the dominant side, GM bilaterally, and FA of the contralateral side

Exercises Analyzed (Stable and Unstable) FPP, Closed Chain Serape (CS), Open Chain Serape (OS)

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Exercises on the Stable Surface





FPP C





Exercises on the Unstable surface



os

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