



GEMSTONE



24/06/2020

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INTRODUCTION Entheses: where tendons and ligaments meet bone



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WP1: TRABECULAR MICROARCHITECTURE Bone architecture adaptation to tendon insertion



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WP1: CANAL & CELLULAR MICROARCHITECTURE Bone architecture adaptation to tendon insertion





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WP3: MECHANICAL ANALYSIS Bone stresses induced by tendon loading



High stresses flow mainly within the tuberosity Non trivial stress pattern within the bone and around porosity

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CONCLUSION & OUTCOMES What next ?



