

Short communication: Torsional tests on long-bone cylindrical medullary-canal exo-endoprostheses

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Abstract-

Torsion tests are performed for cylindrical type of a novel exo-endoprosthesis internal part. It is verified that it has values greater than those obtained for elliptical type. The best bonding method between PEEK and threaded rod is the resin adhesive, matching the obtained results for elliptical implant. Results of cylindrical type are discussed versus elliptical type.

Index Terms- Torsional test; Exo-endoprosthesis; 3D-printing; Ex vivo; Tibia; Canine

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Citation:

Mendaza-DeCal, R.; Ballesteros, Y.; Peso-Fernández, S.; del Real-Romero, J.C.; Rodríguez-Quirós, J. "Short communication: Torsional tests on long-bone cylindrical medullary-canal exo-endoprostheses", Research in Veterinary Science, vol.159, pp.81-83, June, 2023.