

**ASX/MEDIA RELEASE**

**Sr-HT-Gahnite to be used with kangaroo derived tendons  
(world first)**

3 August 2018

Allegra Orthopaedics Limited ('Allegra') is pleased to announce, in collaboration with Bone Ligament Tendon Pty Ltd (BLT) and the University of Sydney, it has received the Innovative Manufacturing CRC Limited (IMCRC) funding offer of \$2,444,678 to manufacture kangaroo-derived ligaments. This addresses the growing demand for reconstructive ligament material following injury.

In addition, the project will develop fixation anchors and screws using novel additive manufacturing from the biodegradable ceramic material, Sr-HT-Gahnite. Allegra has the global, exclusive licence of the Sr-HT-Gahnite Intellectual Property from The University of Sydney.

The innovative xenograft material will redefine the future of ligament reconstruction and will pioneer a unique solution for the orthopaedic reconstruction of ligament injuries. Using kangaroo tendon, the project will give Australian manufacturing and agriculture a global niche, leveraging an exclusive collaborative agreement for Sr-HT-Gahnite fixation and Australia's exclusive access to the kangaroo.

Allegra's CEO, Jenny Swain says "it is very exciting to be an integral part of this highly innovative Australian technology, which will improve the current methods of ligament reconstruction. This project represents a global high-tech manufacturing opportunity for Allegra and Australia. Developing Sr-HT-Gahnite as a fixation and bone screw material for this project expands the commercialised applications of this ground-breaking material.

The Sr-HT-Gahnite material is already well advanced to becoming a commercialised product via Allegra's development of a 3D-printed interbody spinal cage, utilising the material at our pilot manufacturing site in Sydney."

Securing of the kangaroo tendon with Sr-HT-Gahnite will deliver safe, strong and reliable incorporation into the bone bed at the time of surgery, and beyond. The unique properties of the Sr-HT-Gahnite bone screws will provide

- mechanical strength required for load-bearing conditions
- bioactivity needed for outstanding bone regeneration
- resorbability that reduces the risk of rejection and infection
- 3D printable for customisable applications ie; patient specific

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Allegra's Non-Executive Chairman Mr. Peter Kazacos, commented "The additional application of this unique material will allow Allegra to be recognised and known for its innovative capabilities."

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#### **ABOUT ALLEGRA ORTHOPAEDICS**

We aim to help bring the freedom and happiness of pain-free movement to people's lives. We achieve this through providing the best possible solutions for patients, from world-wide industry leading orthopaedic products through to Australian innovations.

Allegra's principal product, the Active Total Knee, has significantly improved the quality of life for many people and remains a focussed product line. The company is pleased to continue to build upon its extensive portfolio of patents. It has extensive research relationships with universities, companies and surgeon inventors, including its global licensee to the composite biocompatible ceramic material known as Sr-HT-Gahnite from the University of Sydney.

Allegra also has a well-developed range of products for distribution from international suppliers such as Waldemar LINK GmbH & Co. and covers all specialities from foot and ankle, upper limb to extensive revision and oncology procedures.

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