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BonAlive Biomaterials Gets CE Mark for BonAlive Putty

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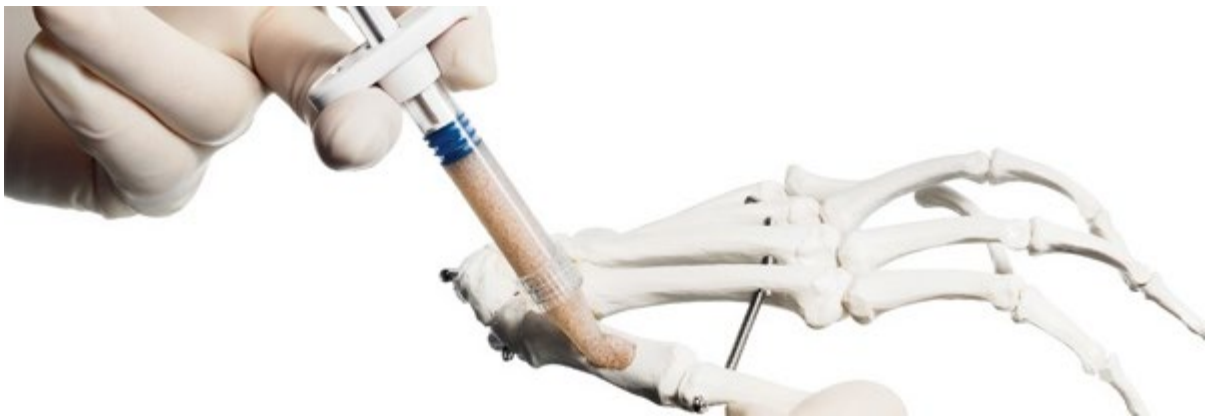

BonAlive Biomaterials Ltd (Turku, Finland) has been awarded CE Mark approval for its BonAlive Putty, a bone graft substitute indicated for treatment of bony voids and gaps. The putty builds on their current osteostimulative S53P4 bioactive glass granules, and combines it with a synthetic binder which dissolves soon after implantation. The bioactive granules develop a silica-gel layer, which promotes calcium phosphate deposition and allows for bonding between the native bone and the granules. With the surface transformed into one that is chemically and structurally similar to the mineral phase of natural bone, osteoblast activity is enhanced, which results in increased bone matrix on the surface of the granules. Bone growth is typically observed within 6 – 12 weeks of implantation.

The putty also increases bone resorption, which results in beneficial bone remodeling. Studies showed similar bone growth at 4 and 8 weeks when comparing the BonAlive putty and BonAlive granules, with highly vascularized and dense bone formation and periosteal growth in both. The putty currently comes in a small applicator size for hand and cranio-maxillofacial surgery, and a larger applicator for orthopedic and trauma surgery.

Product page: BonAlive putty…

Press release: BonAlive Biomaterials Ltd Receives CE-mark for Osteostimulative BonAlive® Putty…

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