Factsheet

acronym	OSTEOproSPINE
full title	Novel Bone Regeneration Drug Osteogrow: Therapeutic Solution for Lumbar Back Pain
programme	H2020-SC1-201-2017/H2020-SC1-Single-Stage-RTD
contract number	779340

abstract

OSTEOproSPINE is a novel bone regeneration therapy composed of OSTEOGROW (recombinant human bone morphogenetic protein 6 [rhBMP6] delivered in autologous peripheral blood coagulum) reinforced with allograft (a compression resistant matrix). OSTEOproSPINE is designed to guide the formation of new bone at extra-skeletal site and replace autograft harvested from patient's iliac crest for the fusion of lumbar vertebrae. By generating new bone, OSTEOproSPINE will restore the spine's weight bearing function, reduce the severity of back pain and improve the success rate of posterolateral spinal fusion surgery. The program consortium of 12 partners from 5 EU member states has been assembled to conduct a Phase II, randomised, patient and evaluator-blinded clinical trial of OSTEOproSPINE. Four clinical centers will enroll 140 patients suffering from degenerative disc disease to assess OSTEOproSPINE efficacy and safety in comparison with standard of care (autograft) and Osteogrow.

A positive outcome of the proposed trial will confirm OSTEOproSPINE's potential to form a functioning new bone in human and by this restore the spine's function and improve the quality of life in patients with degenerative disc disorders using the ground principle of regenerative medicine: "provide the correct molecular signals to a population of presumptive cells in a permissive microenvironment".

duration	66 months (01/01/2018 - 30/06/2023)
project funding	6.004.152,50

coordinator

Prof. Dr. Slobodan Vukicevic
University of Zagreb School of Medicine, Croatia
Email: slobodan.vukicevic@mef.hr
Phone: +385 1 492 0046

partners

- University of Zagreb School of Medicine, Croatia
- Genera Inc., Croatia
- Medical University of Vienna, Austria
- Johannes Kepler Universiy, Austria

- Medical University of Graz, Austria
- Clinres Farmacija, Slovenia
- Smart-Medica, Croatia
- Triadelta Partners, Croatia
- 2KMM, Poland
- University of Zagreb – Faculty of Veterinary Medicine, Croatia
- European Research and Project Office GmbH, Germany
- QBEX GmbH, Austria

Website www.osteoprospine.eu