

Recent Technology Transfer @ SCTIMST

Drug Eluting Bioactive Calcium Sulfate Cement

The product is modified calcium sulfate cement in which drugs of choice could be loaded and prepared as pellets desired size. Infection control could be achieved on implanting at the infected site. After the drug delivery action, the material will integrate with the local bone. It avoids the removal surgery and enhances defect healing. Useful in post-surgical and diabetic related bone infections.



Transferred to:

M/s. Onyx Medicals Pvt Ltd (2022)

Liquid Embolic Agent



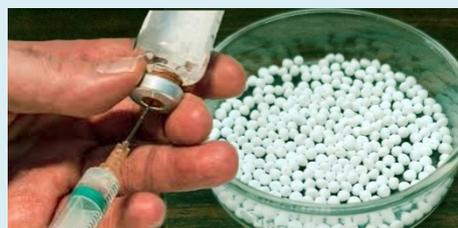
Liquid Embolic Agent (LEA) is a neurological implant device supplied in liquid form in a prefilled syringe. This biocompatible and non-degradable liquid is meant to be injected into the abnormal blood vessels of the brain through microcatheters. On injecting LEA, the vessels get embolized (or blocked) by precipitation of the polymer. The solvent will diffuse into the blood stream and escape through the lungs.

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M/s. BioradMedisys Pvt Ltd (2022)

Bioceramic Beads for Drug Delivery and Bone Regeneration

The product is a specially designed globule-shaped bioceramic beads having multi-modal porosity (from micro to nano sized pores, in a graded manner) which can hold and release drugs for treating bone diseases like osteomyelitis. Biocompatible and osteoconductive calcium phosphate phases are converted into bioactive beads through a patented technique. This is a bioactive resorbable porous media for the local delivery of drugs for bone diseases, and also a bone graft material.



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