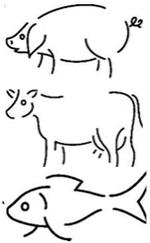


A Novel Approach for Breast Reconstruction - based on natural polymers, tissue engineering and personalized medicine

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Natural polymers



gelatin



alginate



Soy protein

Tissue engineering

Biodegradable

Biocompatible

Mechanically compatible

Supports cell
proliferation

Induces
adipogenesis

Personalized solution



Objective: By designing an implant that is porous, resilient, mechanically similar to fat tissue, biodegradable and injectable we provide a single-procedure and minimally invasive solution to breast reconstruction by breast tissue regeneration.