

Personalized Tissues and Organs Replacement - a Peek into the Future

Authors : Asaf Toker

Abstract : Matricelf developed a technology that enables the production of autologous engineered tissue composed of matrix and cells derived from patients Omentum biopsy. The platform showed remarkable pre-clinical results for several medical conditions. The company recently licensed the technology that enabled scientist at Tel Aviv university that 3D printed a human heart from human cells and matrix for the first time in human history. The company plans to conduct its first human clinical trial for Acute Spinal Cord Injury (SCI) early in 2023.

Keywords : tissue engineering, regenerative medicine, spinal Cord Injury, autologous implants, iPSC

Conference Title : ICRMTA 2020 : International Conference on Regenerative Medicine and Therapeutic Applications

Conference Location : Dubai, United Arab Emirates

Conference Dates : November 09-10, 2020