

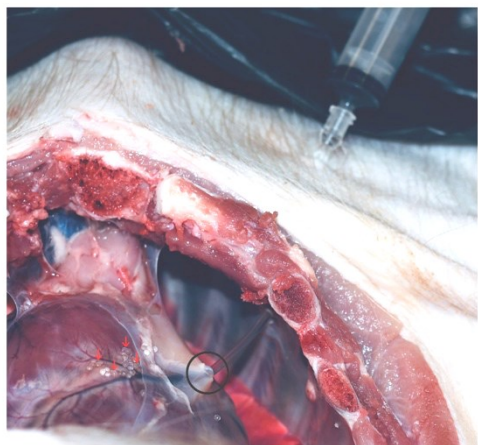
Supplementary Figures

Ghanta and, Aghlara-Fotovat et al (2020) Immune Immune-Modulatory Alginate Protects Mesenchymal Stem Cells for Sustained Delivery of Reparative Factors to Ischemic Myocardium. *Biomaterials Science*

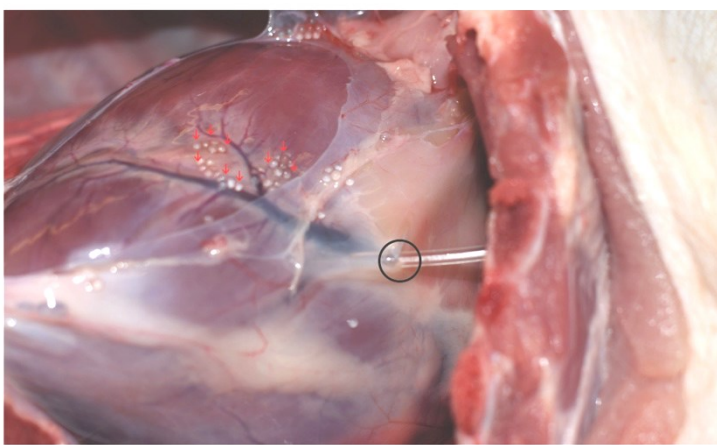


Supplementary Figure 1 - Brightfield images of MSCs encapsulated in SLG20 alginate explanted after 2 weeks in the pericardial sac of Sprague Dawley Rats, demonstrating extensive pericapsular fibrosis.

a)



b)



Supplementary Figure 2 – Transcatheter Pericardial Delivery of Capsules. Pericardial delivery of capsules is important for clinical translation. (a) We performed a feasibility assessment in a pig model with a 14F catheter introduced into the thorax and into the pericardial space (black circle). Capsules contained within the syringe were then injected into the pericardial space. (b) Closeup of catheter entering the pericardium (circle) with capsules contained within the pericardial space and on the epicardial surface (red arrows). The anterior pericardium was removed to allow visibility of the capsules.