

PDGFR Signaling Mediates Hyperproliferation and Fibrotic Responses of Subsynovial

Connective Tissue Cells in Idiopathic Carpal Tunnel Syndrome

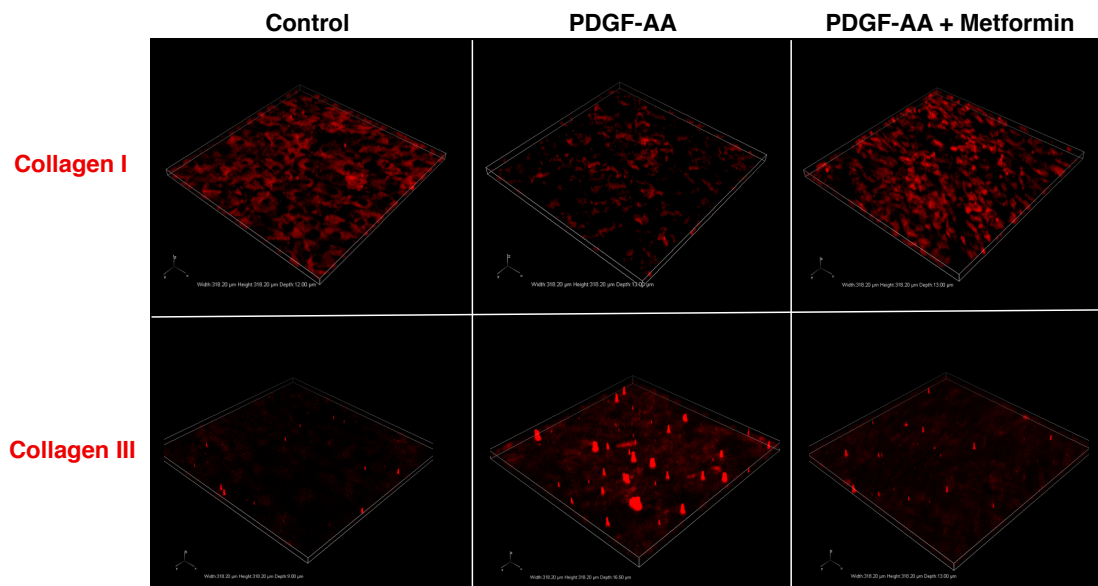
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Supplemental Figure 1. Representative image of 3D reconstruction when the SSCT cells cultured on 3D culture membrane. The SSCT cells were cultured on the 3D culture membrane, VECCELL (Vessel Inc.), with PDGF-AA and metformin supplementation. The SSCT cells produced collagen I without PDGF-AA supplementation (control), while the cells treated with PDGF-AA increased collagen III production, but decreased collagen I production like the condition of CTS patient in vivo (PDGF-AA). The production of collagen III by PDGF-AA was inhibited by metformin supplementation, which increased collagen I like the control (PDGF-AA + Metformin).