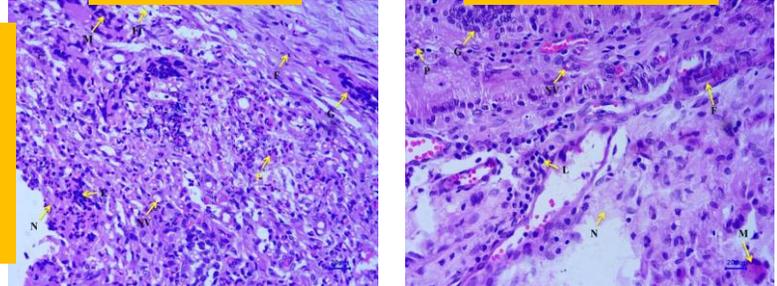


# Nanofibrous biodegradable mesh as 3D reinforcement for cell infiltration, uniform collagen deposition and bridging fibrosis: An alternative to polypropylene mesh for incontinence and prolapse treatment

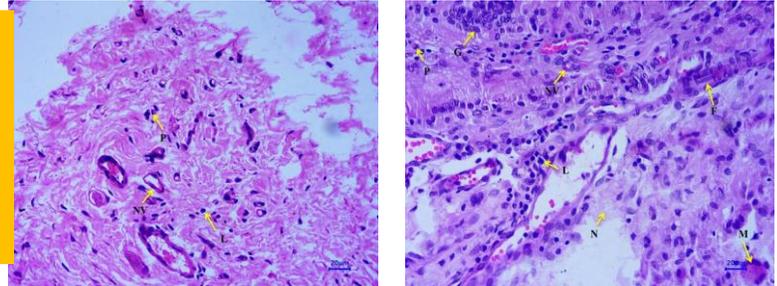
## H&E implantation on posterior vaginal submucosal layer

**Control**                      **ResolMat**

**1 month**

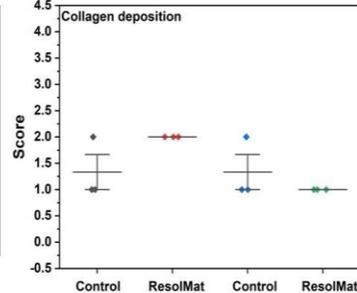
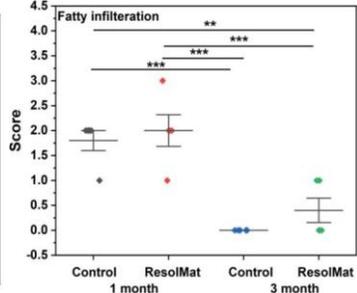
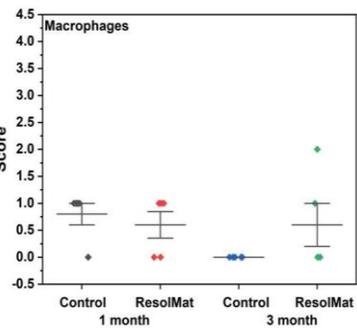
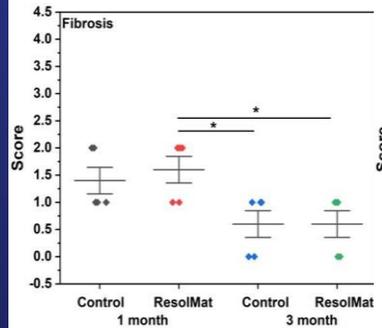
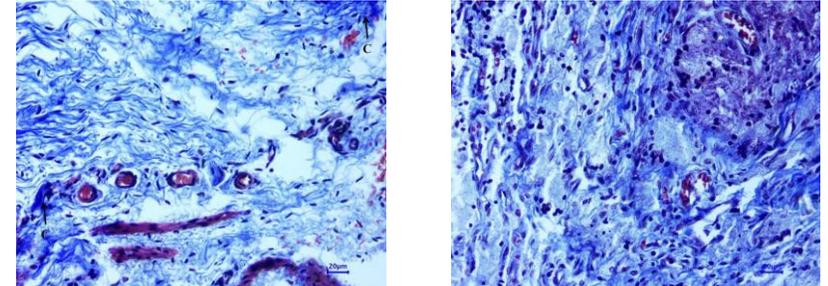
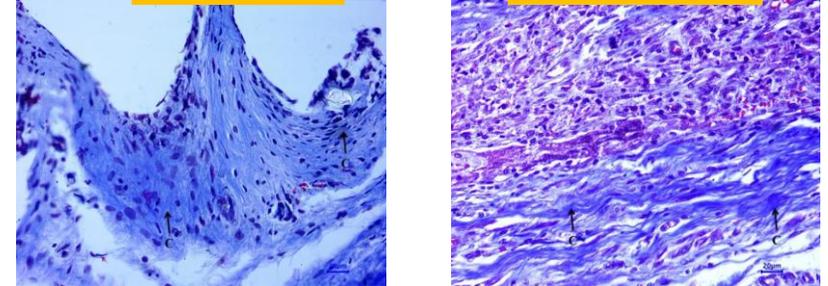


**3 month**

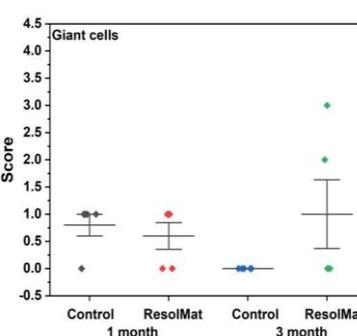
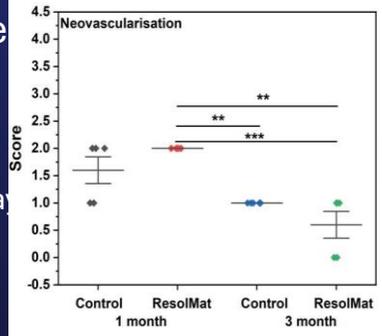


## Masson trichrome staining on posterior vaginal submucosal layer

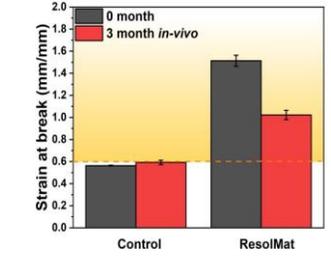
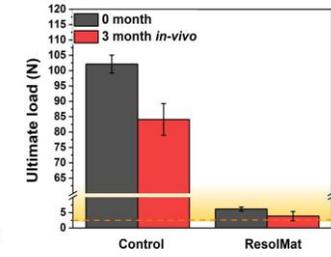
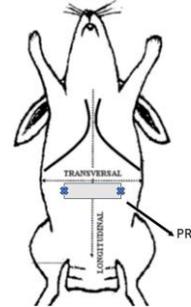
**Control**                      **ResolMat**



1. Control= Multifocal collagen deposition around the monofilament
2. ResolMat= Multifocal collagen deposition throughout



## Mechanical property of mesh tissue explant



ResolMat mechanical property was consistent even after 3 month implantation in rabbit model

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