

## ***Supporting Information S1:***

### **Comparative *in vivo* biocompatibility of cellulose-derived and synthetic meshes in subcutaneous transplantation models**

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**Figure S1.** Wound grading after subcutaneous implantation of bacterial nanocellulose (BNC), regenerated cellulose (RC), 3D-printed cellulose nanofibrils (CNFs), polypropylene (PP) and polydioxanone in a rat subcutaneous transplantation model. Normal wound healing right after implantation of CNF and PP (a), sham and PP (b, c), RC and PP (d), and BNC and PP (e) at 0 (a), 1 (b), 7 (c), 30 (d), and 90 (e) days post-implantation. Cellulose-derived implants on the right, PP on the left side. Wound reactions classified as (f) mild swelling (PP), (g) clear discharge (RC, PP), and (h) abscess (PP).

