



Supplementary Fig. 1. Retinal vascular changes in the OIR mouse model at different developmental stages. Representative flat-mounted retinal images from control and OIR mice on postnatal days (P) 12, 14, 17, and 22. Retinas were stained with FITC (green) to visualize vasculature and IB4-Alexa Fluor 594 (red) to highlight endothelial cells. Merged images show vascular architecture and remodeling. Compared with controls, OIR retinas exhibited significant vascular disruption and abnormal neovascular tufts beginning on P14, with peak pathological angiogenesis observed on P17, followed by partial vascular regression or remodeling on P22. Scale bar: 500 μ m. OIR, oxygen-induced retinopathy.