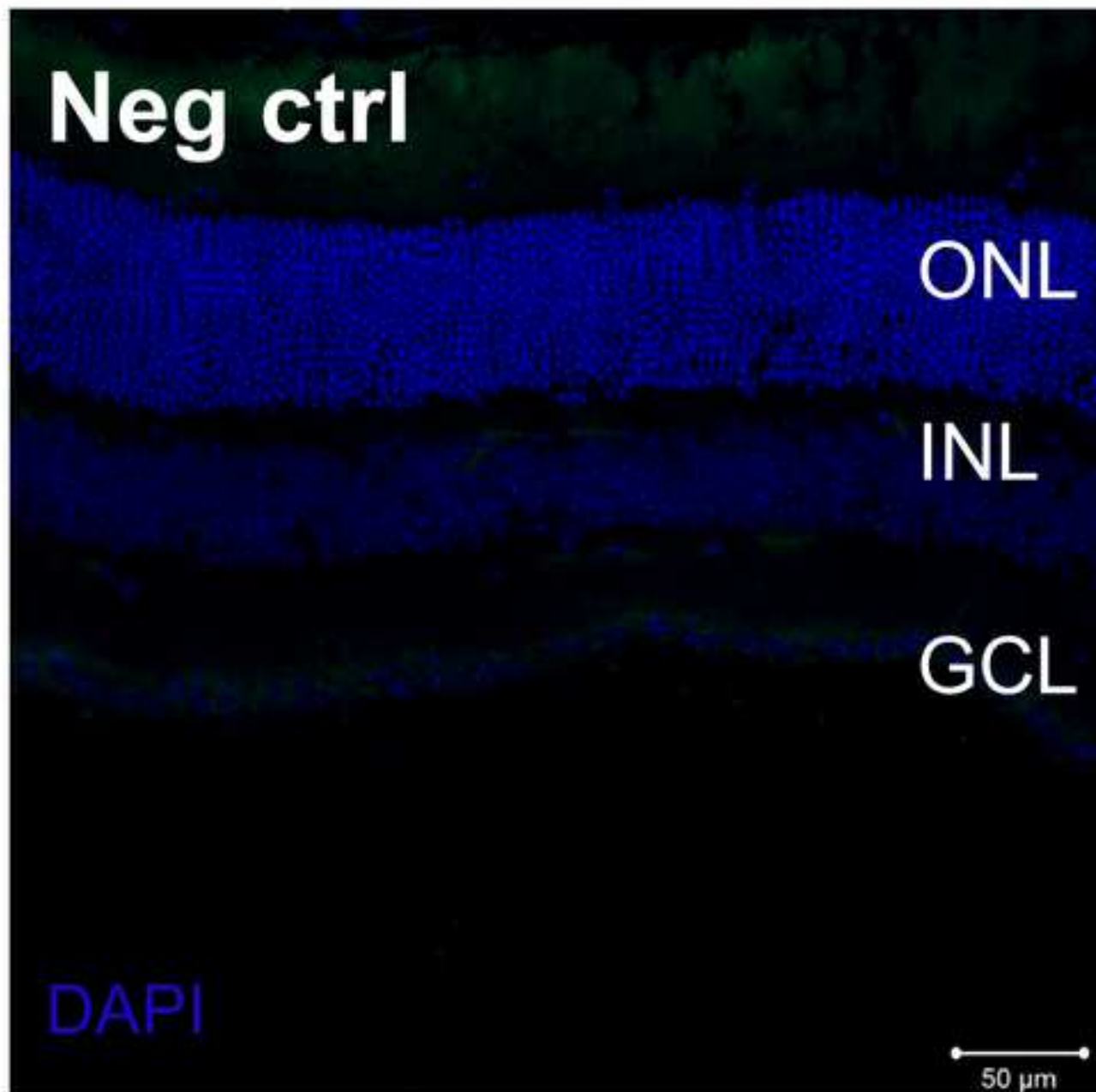
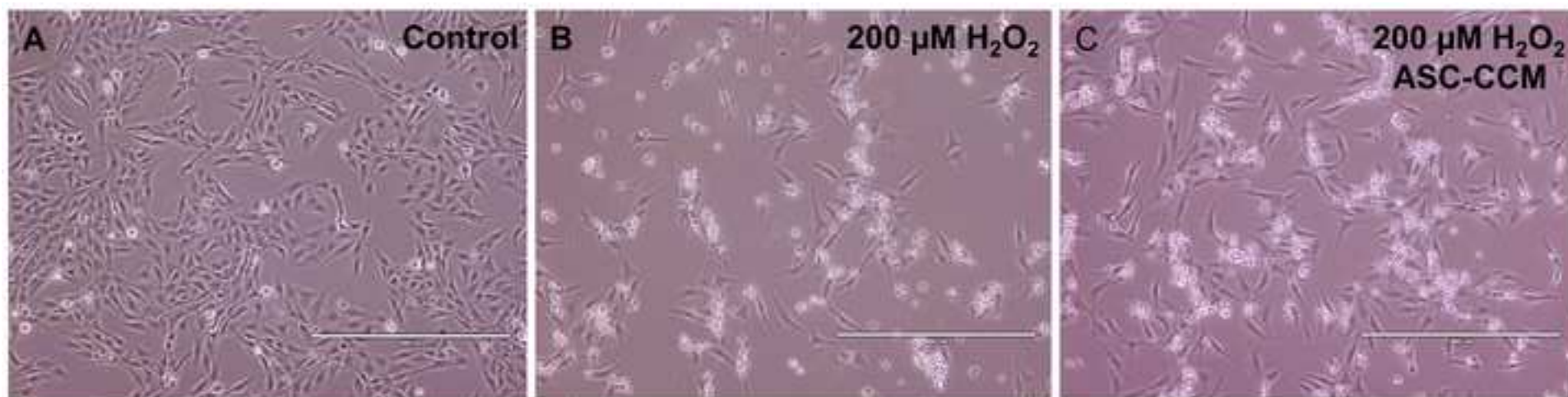


Anti-nitrotyrosine





Supplemental Figure Legends

Supplemental Figure 1: Retinal architecture using OCT in direct multiple ocular blast injury (rOBI) mice. No morphological alteration was observed in any groups. Upper panels show representative brightfield images showing b-scan location (arrow). The lower panel represents OCT images of retinal layers captured using the Phoenix MICRON Image-Guided OCT2 system. Data represent left eyes from n=8-10 animals/group.

Supplemental Figure 2: Immunohistological analysis of retinal tissue from all groups for DNA/RNA damage marker antibody followed by confocal microscopy in Sham mice receiving saline (Sham-Sal), rOBI mice receiving saline (rOBI-Sal), and rOBI mice receiving ASC-CCM (rOBI-ASC-CCM). Scale bar=50 μm . Lower panel figures are from corresponding groups showing higher magnification. Scale bar = 20 μm . A negative control (Neg Ctrl) micrograph is shown incubated with no primary antibody. Scale bar = 50 μm .

Supplemental Figure 3: Immunohistological analysis of retinal tissue without the anti-nitrotyrosine antibody followed by confocal microscopy served as a negative control (Neg Ctrl). Scale bar = 50 μm .

Supplemental Figure 4: Phase contrast micrographs of rMC-1 cells from control cells (A), exposed to H_2O_2 (B) and pretreated with ASC-CCM and exposed to H_2O_2 . Scale bar = 400 μm .