

Online Resource 10

Microglial cell loss after ischemic stroke favors brain neutrophil accumulation

ACTA NEUROPATHOLOGICA

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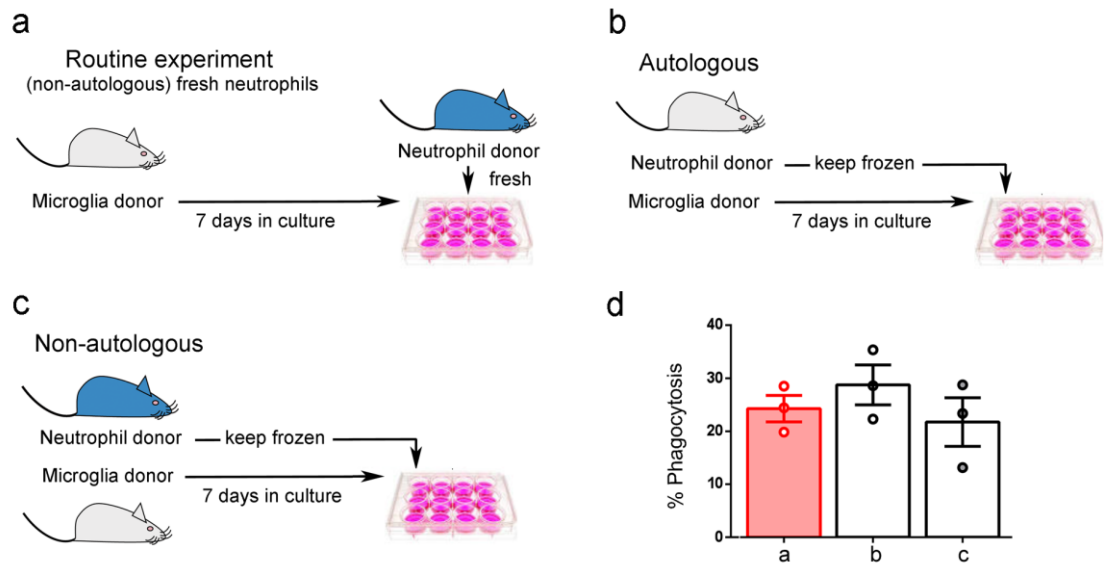
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Online Resource 10. Allogenicity does not affect microglia phagocytosis of neutrophils. We performed experiments to control for the possibility that allogenicity contributed to phagocytosis of neutrophils by microglia. **a)** Our routine experiments were performed by obtaining microglia from a donor mouse and culturing the cells for 7 days. The day of the experiment, we obtained neutrophils from the bone marrow of another mouse and fresh neutrophils were added to the microglia culture for time-lapse microscopy studies of phagocytosis. **b)** To use an autologous cellular system, we used a single donor mouse to obtain microglia from the brain and neutrophils from the bone marrow of the same animal. Microglia was cultured for 7 days whereas neutrophils were cryoprotected and frozen until the day of the experiment. **c)** For a parallel non-autologous system, we obtained microglia from the brain of a donor mouse and used a different mouse to obtain bone marrow neutrophils on the same day. Microglia was cultured for 7 days whereas neutrophils were cryoprotected and frozen until the day of the experiment. **d)** Results showed no significant differences in the % of microglia phagocytosing neutrophils between the different experimental groups. n=3 independent experiments per group.