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Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches

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COVER: Photomicrographs of migrated human amniotic epithelial cells (hAECs) in the ischemic rat brain. Diagrams showing the extent of migration of hAECs after transplantation in the middle cerebral artery occlusion rats on 3 consecutive weeks (A–C). Black lines indicate the implantation site. Black dots represent the location of the transplanted hAECs, and the red dots and shadows represent the ischemic area. Hoechst 33258-labeled hAECs survived in the ischemic brain for 3 consecutive weeks (D–F). Lenti-enhanced green fluorescent protein (EGFP)-transduced hAECs migrated on 3 consecutive weeks; 7 days after transplantation, EGFP-positive cells around the injection tract (G & J). Some cells migrated from the injection tract 2 weeks later (H & K). Most of the cells migrated from the injection tract 3 weeks after transplantation, and the cells were morphologically changed (I & L). Scale bar = 50 μm. See Liu et al., pages 603–611, 2008.