

Supplementary files

Localization and maintenance of engrafted mesenchymal stem cells administered via renal artery in kidneys with ischemia-reperfusion injury

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This file includes supplementary table 1 and western blotting uncropped gel images.

Supplementary table file.

Supplemental table 1. Time course of engraftment of hMSCs. The number of CM-DiI-stained hMSCs delivered arterially in 10 random fields ($\times 100$) in kidney, lung, and spleen at days 1, 3, 7, and 21 post-IRI (A), and without undergoing IRI (B).

A

hMSC counts (cells), IRI(+)				
	day 1 (n=5)	day 3 (n=5)	day 7 (n=5)	day 21 (n=5)
Whole kidney	143.2 \pm 58.1	114.6 \pm 29.6	62.7 \pm 13.6	59.4 \pm 22.9
Glomeruli	135.6 \pm 55.8	106.2 \pm 31.5	46.8 \pm 8.3	34.8 \pm 12.2
Tubule+Interstitial	7.6 \pm 3.0	8.4 \pm 5.5	15.8 \pm 11.5	24.6 \pm 17.5
Lung	19 \pm 8.7	22 \pm 8.2	9.2 \pm 4.5	6.6 \pm 1.4
Spleen	8.2 \pm 1.7	19.4 \pm 10.4	16.2 \pm 7.9	6.4 \pm 4.5

B

hMSC counts (cells), IRI(-)				
	day 1 (n=5)	day 3 (n=5)	day 7 (n=5)	day 21 (n=5)
Whole kidney	73.5 \pm 22.7	42.8 \pm 28.5	28.5 \pm 14.7	7.0 \pm 2.1
Glomeruli	62.0 \pm 24.8	50.0 \pm 18.5	20.3 \pm 14.0	0.8 \pm 1.6
Tubule+Interstitial	11.5 \pm 5.7	5.25 \pm 3.6	8.3 \pm 5.1	6.2 \pm 2.9
Lung	21.0 \pm 14.0	11 \pm 0.8	12.5 \pm 7.9	7.6 \pm 4.0
Spleen	10.5 \pm 5.9	19.7 \pm 7.3	7.5 \pm 7.6	7.6 \pm 0.8

Data are presented as the mean \pm SD.

hMSCs, human mesenchymal stem cells; IRI, ischemia-reperfusion injury

Western blotting uncropped gel images

Figure 2

