

Comparison of Different Sources of Mesenchymal Stem Cells (MSCs): Palatal Adipose Tissue (PAT) versus Lipoaspirated Adipose Tissue (LAT)

Sema S. Hakki^{1,2}, Gizem Turaç³, S. Buket Bozkurt², Seyit Ali Kayis⁴, Erdogan E. Hakki⁵, Eren Şahin³, Cansu Subaşı³, Erdal Karaoz^{3,6}

¹ Selcuk University, Faculty of Dentistry, Department of Periodontology, Konya, Turkey

² Selcuk University, Faculty of Dentistry, Research Center, Konya, Turkey

³ Liv Hospital, Center for Regenerative Medicine and Stem Cell Research & Manufacturing (LivMedCell), Istanbul, Turkey

⁴ Karabuk University, Faculty of Medicine, Department of Biostatistics, Karabuk, Turkey

⁵ Selcuk University, Faculty of Agriculture, Department of Soil Science and Plant Nutrition, Molecular Genetics & Biotechnology Laboratories, Konya, Turkey

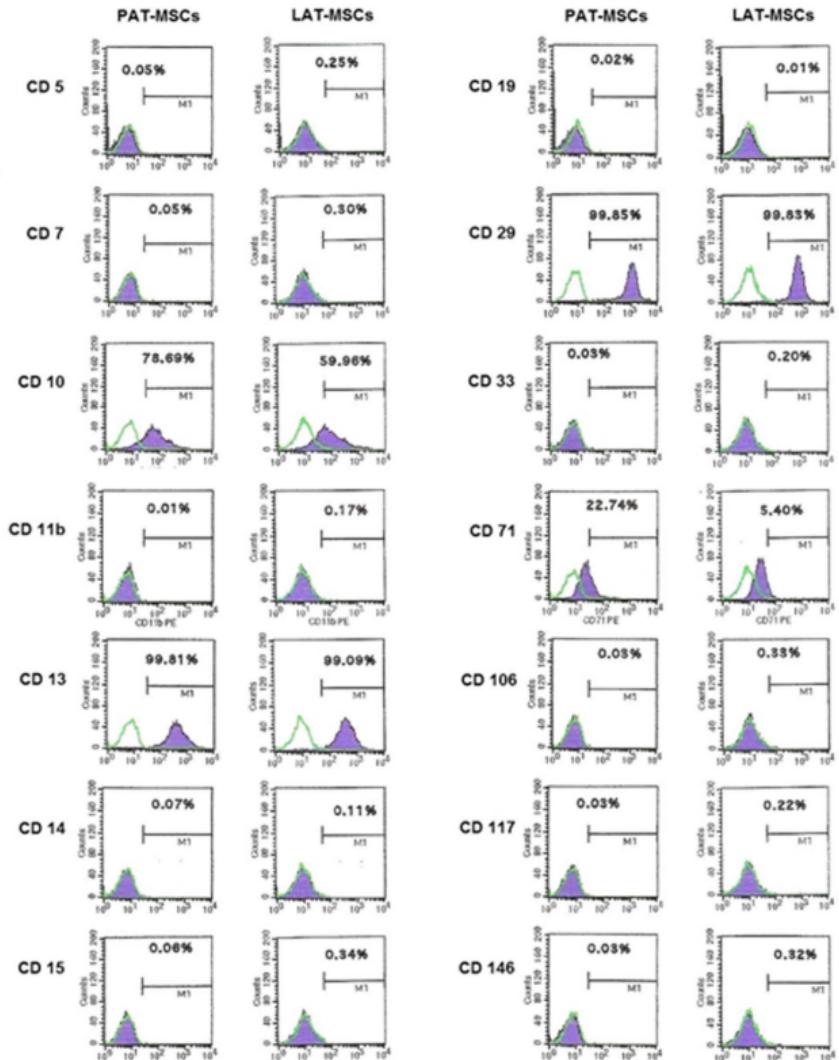
⁶ Istinye University, Faculty of Medicine, Department of Histology&Embryology, Istanbul

Supplemental Table 1

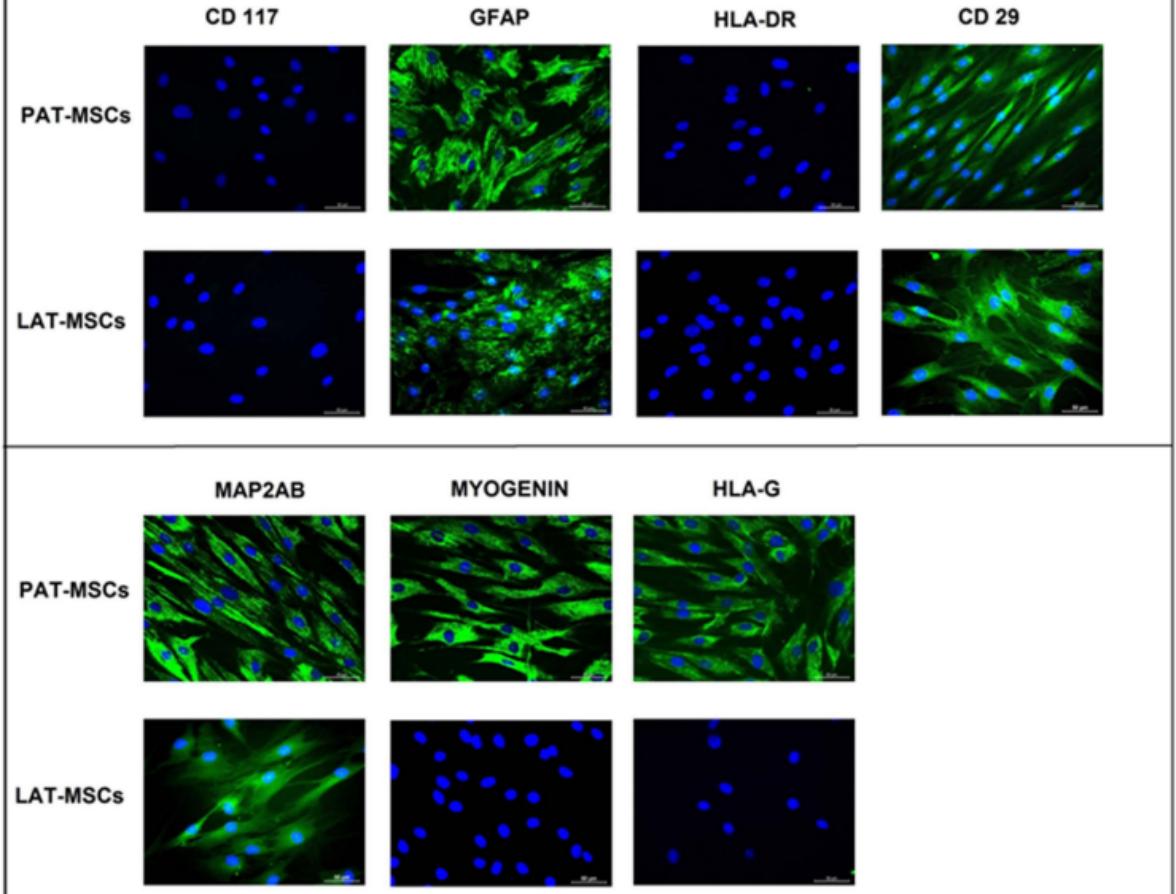
The marker expression profile of the PAT- and LAT-MSCs.

Marker	Antibody dilution	Cell type		Marker	Antibody dilution	Cell type	
		PAT-MSCs	LAT-MSCs			PAT-MSCs	LAT-MSCs
CD5	1:50	Ø	Ø	CD45	1:150	Ø	Ø
CD7	1:100	Ø	Ø	CD71	1:150	Ø	Ø
CD10	1:50	+	+	CD73	1:50	+	+
CD11b	1:50	Ø	Ø	CD90	1:100	+	+
CD13	1:100	+	+	CD105	1:100	+	+
CD14	1:50	Ø	Ø	CD106	1:100	Ø	Ø
CD15	1:50	Ø	Ø	CD117	1:150	Ø	Ø
CD19	1:100	Ø	Ø	CD146	1:250	Ø	Ø
CD29	1:100	+	+	CD166	1:50	+	+
CD33	1:100	Ø	Ø	HLA-ABC	1:100	Ø	Ø
CD34	1:150	Ø	Ø	HLA-DR	1:50	Ø	Ø
CD44	1:150	+	+				

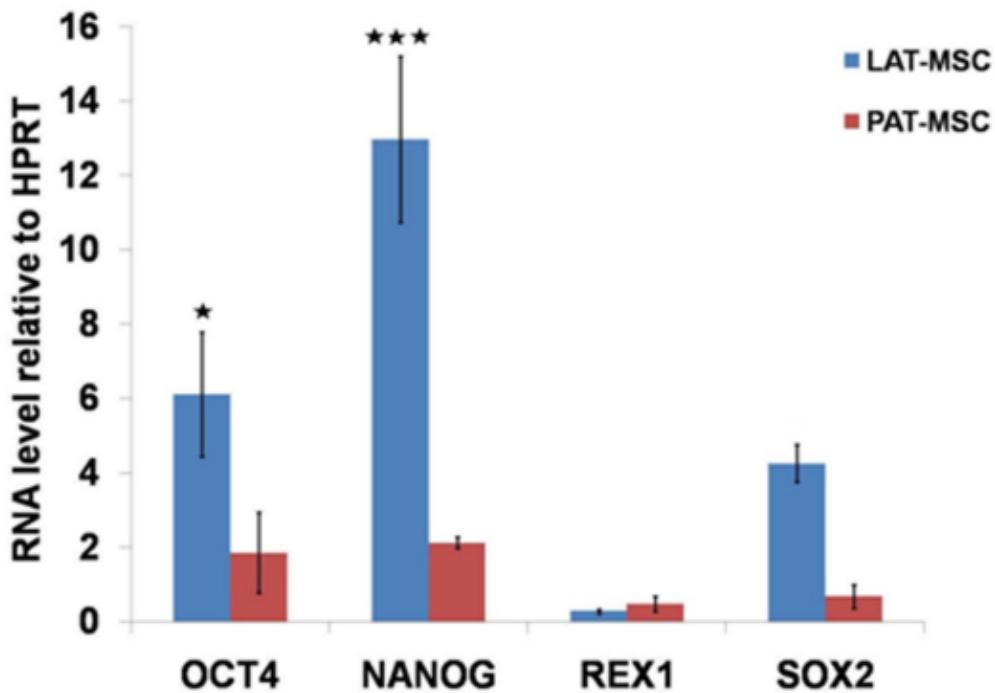
+ Positive marker expression; Ø ;lack of marker expression



Supplemental Figure 1 The marker expressions of the PAT- and LAT-MSCs



Supplemental Figure 2 The immunoreactivity profiles of PAT- and LAT-MSCs



Supplemental Figure 3 Embryonic gene expression profiles of PAT- and LAT-MSCs