



Article

Pericentromeric Non-Coding DNA Transcription Is Associated with Niche Impairment in Patients with Ineffective or Partially Effective Multiple Myeloma Treatment

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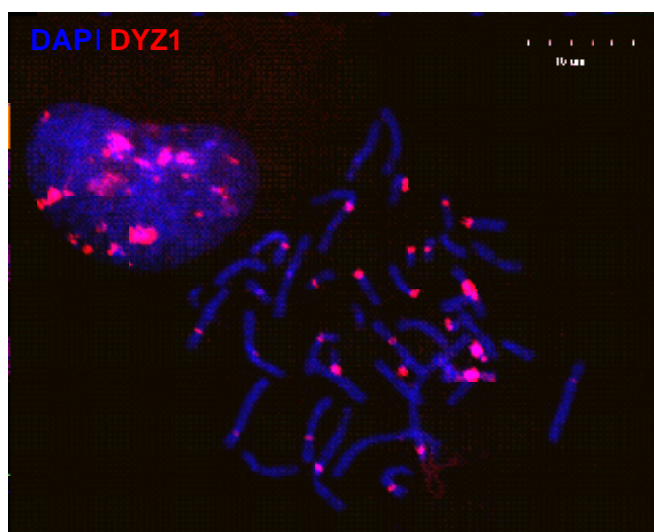
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Supplementary Material

Supplementary Table S1. The number of cells expressing positive and negative markers of MSC in cultures obtained from HD and MM patients with different PC percentage.

Surface antigens		MM-MSC from PoCR patients	MM-MSC from NR patients	HD-MSC
Markers of MSC	CD44	97,9 ± 4,9	99,4 ± 0,9	97,5 ± 2,3
	CD73	98,7 ± 3,2	99,2 ± 1,3	95 ± 3,2
	CD90	98,4 ± 3,3	97,5 ± 2,8	99 ± 0,4
	CD105	98,1 ± 4,5	99,2 ± 1,4	93,3 ± 6,5
Markers of hematological cells	CD14	3,3 ± 3,2	0,7 ± 0,6	1,5 ± 0,8
	CD34	0,3 ± 0,8	0,6 ± 1,1	3,1 ± 2,8
	CD45	2,3 ± 2,5	0 ± 0	1,9 ± 1,6
	CD117	2,7 ± 3,4	1,1 ± 1,1	1,1 ± 0,4

Abbreviations: HD = healthy donors; HD-MSC = mesenchymal stromal cells from healthy donors; MSC = mesenchymal stromal cells; MM = multiple myeloma; MM-MSC = mesenchymal stromal cells from multiple myeloma patients; NR = non-responder; PC = plasma cells; PoCR = partial or complete response.



Supplementary Figure S1. Chromosome specificity of two HS2/HS3 probes (red) used in the study. DNA-DNA FISH was performed on metaphase plates as described in Materials and Methods.