

Cytopenia and leukocyte recovery shape cytokine fluctuations after myeloablative allogeneic hematopoietic stem cell transplantation

Jan Joseph Melenhorst,¹ Xin Tian,² Dihua Xu,² Netanya G. Sandler,³ Philip Scheinberg,^{1,3} Angelique Biancotto,⁴ Priscila Scheinberg,¹ John Phil McCoy Jr,⁴ Nancy F. Hensel,¹ Zach McIver,¹ Daniel C Douek,³ and Austin John Barrett¹

¹Hematology Branch, ²Office of Biostatistics Research, and ⁴Flow Cytometry Core Facility, National Heart, Lung, and Blood Institute, and ³Human Immunology Section, Vaccine Research Center, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, USA

Citation: Melenhorst JJ, Tian X, Xu D, Sandler NG, Scheinberg P, Biancotto A, Scheinberg P, McCoy JP Jr, Hensel NF, McIver Z, Douek DC, Barrett AJ. Cytopenia and leukocyte recovery shape cytokine fluctuations after myeloablative allogeneic hematopoietic stem cell transplantation. Haematologica 2012;97(6):867-873. doi:10.3324/haematol.2011.053363

Online Supplementary Table S1. Comparison of days to peak levels of C-reactive protein (CRP) and cytokines.

Median days to peak level	MCP-1	G-CSF	IL-6	IL-15	CRP	TNF- α	IFN- γ	IL-2	IL-7	IL-1 β
In patients with DLI (n=10)	8	6.5	6.5	7	10	20	14	8	19	18
In patients without DLI(n=10)	3	5	7	6.5	7	21	27	22	23	27
<i>P</i> value	0.007	0.20	0.76	0.88	0.20	1	0.17	0.71	0.37	0.66

DLI: donor leukocyte infusions.