

Comparison of immune reconstitution between anti-T-lymphocyte globulin and posttransplant cyclophosphamide as acute graft-versus-host disease prophylaxis in allogeneic myeloablative peripheral blood stem cell transplantation

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Supplemental 1

Day 30	Cell marker	ATG		PTCY		P
			Mean (SD)	Mean (SD)		
T-Lymphocytes	CD3+	(%)	40.48 (23.55)	53.82 (23.96)	<0.001	
		(cells / μ l)	289.26 (522.89)	226.7 (305.76)	NS	
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	12.61 (14.36)	22.77 (16.05)	<0.001	
		(cells / μ l)	109.17 (311.83)	103.96 (179.41)	NS	
Helper/Inducer T-Lym	CD3+/CD4+	(%)	9.09 (7.74)	19.58 (12.45)	<0.001	
		(cells / μ l)	58.11 (127.5)	77.88 (112.77)	NS	
Supressor T/ Cytotoxic T-Lym	CD3+/CD8+	(%)	25.63 (19.23)	32.05 (21.74)	0.004	
		(cells / μ l)	200.95 (412.12)	143.99 (221.57)	NS	
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.47 (0.4)	1.1 (1.14)	<0.001	
pan B-Lym	CD19+	(%)	2.28 (4.68)	0.47 (1.38)	<0.001	
		(cells / μ l)	28.86 (313.13)	2.72 (13.99)	NS	
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.34 (1.93)	1.35 (2.3)	NS	
		(cells / μ l)	9.25 (37.97)	3.54 (6.7)	NS	
	CD19+/CD27+	(%)	0.68 (1.6)	0.38 (0.97)	NS	
		(cells / μ l)	9.98 (118.53)	0.82 (1.64)	NS	
Naïve B cells	CD19+/CD27-/CD10+	(%)	0.52 (3.37)	0.68 (2.53)	NS	
		(cells / μ l)	2.2 (11.75)	1.63 (5.74)	NS	
NK cells	CD56+/CD3-	(%)	41.13 (19.91)	29.05 (19.14)	<0.001	
		(cells / μ l)	179.69 (168.21)	110.83 (179.95)	<0.001	
NK T-cells	CD56+/CD3+	(%)	6.72 (7.16)	4.48 (5.21)	0.003	
		(cells / μ l)	44.25 (104.84)	15.05 (31.01)	0.004	

Naïve CD4+ cells	CD4+/CD45RA+	(%)	0.4 (0.86)	1.74 (2.44)	<0.001
		(cells / μ l)	2.47 (6.35)	9.75 (42.57)	0.005
Memory CD4+ cells	CD4+/CD45R0+	(%)	7.84 (6.56)	18.45 (14.67)	<0.001
		(cells / μ l)	47.03 (90.93)	64.53 (81.53)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.08 (0.32)	0.16 (0.45)	0.045
Naïve CD8+ cells	CD8+/CD45RA+	(%)	10.3 (9.89)	7.04 (7.07)	0.002
		(cells / μ l)	81.58 (180.61)	33.41 (63.21)	0.007
Memory CD8+ cells	CD8+/CD45R0+	(%)	13.05 (13.19)	24.55 (17.8)	<0.001
		(cells / μ l)	102.95 (224.21)	111.95 (175.44)	NS
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.29 (1.63)	0.39 (0.57)	<0.001
Gamma-delta T cells	TCR gd /CD3+	(%)	5.81 (6.73)	1.93 (2.18)	<0.001
		(cells / μ l)	33.05 (59.88)	6.54 (10.71)	<0.001
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	6.95 (11.86)	8.54 (10.43)	NS
Leukocytes	Leukozyten	(cells x 10 ³ / μ l)	6.41 (10.27)	6.11 (10.96)	NS
segmented neutrophils?	Segmentkernige	(%)	63.24 (18.83)	61.2 (16.62)	NS
		(cells x 10 ³ / μ l)	3.66 (5.39)	2.47 (2.71)	NS
Lymphocytes	Lymphozyten	(%)	11.84 (10.77)	8.77 (8.4)	0.007
		(cells x 10 ³ / μ l)	0.57 (0.86)	0.39 (0.44)	0.043
Monocytes	Monozyten	(%)	14.39 (9.64)	18.1 (8.17)	NS
		(cells x 10 ³ / μ l)	0.58 (0.56)	0.57 (0.36)	NS

Day 100	Cell marker		ATG Mean (SD)	PTCY Mean (SD)	P
T-Lymphocytes	CD3+	(%)	56.81 (19.54)	52.9 (20.85)	NS
		(cells / μ l)	596.89 (934.05)	457.48 (722.76)	NS
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	13.7 (11.44)	9.45 (8.74)	0.001
		(cells / μ l)	178.8 (603.3)	84.89 (139.82)	NS
Helper/Inducer T-Lym	CD3+/CD4+	(%)	14.2 (8.36)	21.73 (10.6)	<0.001
		(cells / μ l)	143.04 (334.78)	195.79 (520.22)	NS
supressor T/ cytotoxic T-Lym	CD3+/CD8+	(%)	38 (19.03)	30.89 (20.83)	0.002
		(cells / μ l)	412.23 (623.54)	258.86 (308.67)	0.022
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.54 (0.67)	1.3 (1.23)	<0.001
pan B-Lym	CD19+	(%)	6.91 (7.22)	6.62 (8.32)	NS
		(cells / μ l)	65.47 (152.55)	57.02 (132.73)	NS
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.26 (1.67)	1.33 (1.76)	NS
		(cells / μ l)	13 (37.45)	9.29 (13.71)	NS
	CD19+/CD27+	(%)	0.58 (1.96)	0.41 (0.62)	NS
		(cells / μ l)	6.87 (42.09)	6.04 (36.93)	NS
Naïve B cells	CD19+/CD27-/CD10+	(%)	1.34 (2.73)	3.22 (6.58)	<0.001
		(cells / μ l)	11.15 (27.2)	18.88 (42.8)	0.046
NK cells	CD56+/CD3-	(%)	28.28 (15.78)	31.04 (18.98)	NS
		(cells / μ l)	195.23 (130.69)	225.74 (386.28)	NS
NK T-cells	CD56+/CD3+	(%)	5.64 (5.78)	3.91 (6.09)	0.013
		(cells / μ l)	53.07 (93.29)	28.2 (46.82)	0.013
Naïve CD4+ cells	CD4+/CD45RA+	(%)	0.76 (1.53)	2.65 (2.87)	<0.001

		(cells / μ l)	7.45 (18.81)	32.49 (133.74)	0.002
Memory CD4+ cells	CD4+/CD45R0+	(%)	12.52 (7.51)	18.18 (9.87)	<0.001
		(cells / μ l)	120.55 (262.93)	157.26 (393.52)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.06 (0.1)	0.16 (0.23)	<0.001
Naïve CD8+ cells	CD8+/CD45RA+	(%)	16.44 (12.8)	13.46 (10.9)	0.042
		(cells / μ l)	181.48 (304.69)	103.55 (135.12)	0.017
memory CD8+ cells	CD8+/CD45R0+	(%)	19.9 (12.85)	17.04 (15)	NS
		(cells / μ l)	210.32 (327.44)	143.23 (185.28)	NS
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.15 (1.41)	1.31 (1.35)	NS
Gamma-delta T cells	TCR gd /CD3+	(%)	4.52 (4.85)	1.39 (2.04)	<0.001
		(cells / μ l)	42.04 (75.16)	12.52 (29.67)	<0.001
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	5.05 (5.76)	4.44 (4.86)	NS
leukocytes	Leukozyten	(cellsx 10 ³ / μ l)	5.74 (8.82)	4.74 (5.24)	NS
segmented neutrophils?	Segmentkernige	(%)	62.81 (16.35)	51 (18.02)	NS
		(cellsx 10 ³ / μ l)	2.7 (1.54)	1.03 (1.18)	0.018
Lymphocytes	Lymphozyten	(%)	19.93 (12.07)	18.72 (12.72)	NS
		(cellsx 10 ³ / μ l)	0.93 (1.16)	0.8 (1.22)	NS
Monocytes	Monozyten	(%)	7.67 (4.73)	5.33 (1.53)	NS
		(cellsx 10 ³ / μ l)	0.33 (0.36)	0.11 (0.13)	NS

Day 180	Cell marker		ATG	PTCY	P
			Mean (SD)	Mean (SD)	
T-Lymphocytes	CD3+	(%)	63.6 (18.77)	57.69 (19.26)	0.018
		(cells / μ l)	893.97 (906.06)	760.41 (687.27)	NS
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	16.58 (13.15)	11.8 (9.33)	0.004
		(cells / μ l)	244.8 (372.12)	161.32 (198.4)	NS
Helper/inducer T-Lym	CD3+/CD4+	(%)	16.34 (8.48)	19.98 (8.26)	0.001
		(cells / μ l)	189.07 (172.48)	225.76 (178.97)	NS
Supressor T/ cytotoxic T-Lym	CD3+/CD8+	(%)	43.95 (20.4)	36.57 (21.39)	0.007
		(cells / μ l)	665.36 (774.31)	523.61 (567.62)	NS
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.54 (0.58)	0.91 (0.84)	<0.001
Pan B-Lym	CD19+	(%)	11.73 (10.82)	14.2 (11.24)	NS
		(cells / μ l)	126.83 (140.92)	157.85 (149.77)	NS
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.71 (2.68)	1.53 (1.64)	NS
		(cells / μ l)	22.71 (66.46)	16.53 (19.32)	NS
	CD19+/CD27+	(%)	0.53 (1.15)	0.43 (0.6)	NS
		(cells / μ l)	6.84 (25.71)	4.58 (6.32)	NS
Naïve B cells	CD19+/CD27-/CD10+	(%)	2.25 (5.28)	3.53 (5.2)	NS
		(cells / μ l)	26.88 (111.74)	35.32 (56.01)	NS
NK cells	CD56+/CD3-	(%)	18.85 (11.98)	21.97 (13.68)	NS
		(cells / μ l)	185.81 (138.65)	210.65 (134.61)	NS

NK T-cells	CD56+/CD3+	(%)	4.65 (4.67)	2.63 (2.49)	<0.001
		(cells / μ l)	65.67 (147.25)	34.08 (46.98)	NS
Naïve CD4+ cells	CD4+/CD45RA+	(%)	1.2 (2.01)	2.49 (2.03)	<0.001
		(cells / μ l)	14.32 (28.48)	28.7 (34.74)	<0.001
Memory CD4+ cells	CD4+/CD45R0+	(%)	13.59 (7.63)	16.11 (7.72)	0.013
		(cells / μ l)	152.77 (140.88)	181.81 (152.4)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.12 (0.5)	0.18 (0.18)	NS
Naïve CD8+ cells	CD8+/CD45RA+	(%)	18.73 (13.4)	14.86 (12.12)	0.026
		(cells / μ l)	277.52 (338.07)	209.65 (271.35)	NS
Memory CD8+ cells	CD8+/CD45R0+	(%)	23.28 (14.44)	22.17 (15.42)	NS
		(cells / μ l)	349.26 (493.97)	321.31 (363.65)	NS
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.3 (3.8)	1.54 (5.52)	NS
Gamma-delta T cells	TCR gd /CD3+	(%)	4.44 (4.7)	1.54 (1.56)	<0.001
		(cells / μ l)	57.87 (91.17)	20.32 (25.4)	0.001
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	5.74 (5.84)	5.92 (5.08)	NS
Leukocytes	Leukozyten	(cellsx 10 ³ / μ l)	6.43 (8.08)	5.44 (5.19)	NS
Segmented neutrophils	Segmentkernige	(%)	55.26 (16.78)	not available	NS
		(cellsx 10 ³ / μ l)	2.61 (1.79)	not available	NS
Lymphocytes	Lymphozyten	(%)	24.71 (14.76)	25 (12.44)	NS
		(cellsx 10 ³ / μ l)	1.27 (1.01)	1.19 (0.78)	NS
Monocytes	Monozyten	(%)	7.82 (4.2)	Not available	NS
		(cellsx 10 ³ / μ l)	0.36 (0.3)	not available	NS

Supplemental 2

Day 30 MRD	Cell marker	ATG		PTCY		P
			Mean (SD)	Mean (SD)		
T-Lymphocytes	CD3+	(%)	40.05 (22.78)	59.2 (19.18)	NS	
		(cells / μ l)	383.69 (746.24)	317.69 (389.45)	<0.001	
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	11.3 (13.87)	27.5 (16.2)	NS	
		(cells / μ l)	167.1 (548.48)	160.93 (261.81)	<0.001	
Helper/Inducer T-Lym	CD3+/CD4+	(%)	10.78 (7.36)	24.02 (11.47)	NS	
		(cells / μ l)	98.85 (260.24)	112.28 (126.1)	0.04	
Supressor T/ Cytotoxic T-Lym	CD3+/CD8+	(%)	24.66 (18.32)	33.83 (18.35)	NS	
		(cells / μ l)	255.9 (513.58)	199.93 (287.43)	<0.001	
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.56 (0.35)	1.15 (1.29)	NS	
pan B-Lym	CD19+	(%)	2.6 (7.04)	1.01 (2.4)	NS	
		(cells / μ l)	120.25 (767.28)	8.21 (26.62)	NS	
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.63 (2.46)	1.41 (1.64)	NS	
		(cells / μ l)	20.34 (85.3)	5.45 (10.03)	NS	
	CD19+/CD27+	(%)	1.14 (2.87)	0.23 (0.46)	NS	
		(cells / μ l)	45.26 (283.11)	0.66 (1.01)	NS	
Naïve B cells	CD19+/CD27-/CD10+	(%)	0.19 (0.69)	0.48 (1.29)	NS	
		(cells / μ l)	2.98 (15.91)	3.14 (8.48)	0.01	
NK cells	CD56+/CD3-	(%)	37.77 (18.26)	27.37 (16.14)	0.01	
		(cells / μ l)	212.29 (199.12)	110.48 (93.44)	NS	
NK T-cells	CD56+/CD3+	(%)	7.29 (8.95)	4.65 (3.76)	NS	
		(cells / μ l)	56.73 (125.32)	19.28 (19.04)	<0.001	

Naïve CD4+ cells	CD4+/CD45RA+	(%)	0.57 (1.28)	1.89 (2.6)	NS
		(cells / μ l)	4.52 (10.53)	9.72 (16.91)	<0.001
Memory CD4+ cells	CD4+/CD45R0+	(%)	9.65 (6.06)	23.48 (14.62)	NS
		(cells / μ l)	78.71 (183.64)	101.83 (112.71)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.06 (0.1)	0.09 (0.13)	NS
Naïve CD8+ cells	CD8+/CD45RA+	(%)	10.39 (8.96)	8.74 (8.28)	NS
		(cells / μ l)	98.81 (183.27)	57.9 (92.79)	<0.001
Memory CD8+ cells	CD8+/CD45R0+	(%)	12.42 (13.02)	24.61 (13.55)	NS
		(cells / μ l)	133.58 (313.52)	153.1 (220.67)	<0.001
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.35 (1.36)	0.36 (0.28)	<0.001
Gamma-delta T cells	TCR gd /CD3+	(%)	4.77 (5.18)	1.69 (1.55)	<0.001
		(cells / μ l)	26.4 (29.25)	7.79 (14.56)	NS
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	5.63 (8.93)	7.44 (9.42)	NS
Leukocytes	Leukozyten	(cells x 10 ³ / μ l)	5.67 (4.34)	5.65 (5.7)	NS
segmented neutrophils?	Segmentkernige	(%)	61.3 (16.28)	not available	NS
		(cells x 10 ³ / μ l)	2.91 (2.48)	not available	NS
Lymphocytes	Lymphozyten	(%)	13.67 (11.8)	11.03 (11.9)	NS
		(cells x 10 ³ / μ l)	0.82 (1.68)	0.5 (0.47)	<0.001
Monocytes	Monozyten	(%)	14.19 (6.26)	not available	NS
		(cells x 10 ³ / μ l)	0.67 (0.78)	not available	NS

Day 100 MRD	Cell marker	ATG		PTCY		P
			Mean (SD)	Mean (SD)		
T-Lymphocytes	CD3+	(%)	56.01 (18.74)	59.88 (19.28)	NS	
		(cells / μ l)	742.51 (1316.75)	439.84 (356.96)	NS	
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	12.38 (9.61)	12.71 (10.16)	NS	
		(cells / μ l)	234.86 (784.63)	100.48 (111.8)	NS	
Helper/Inducer T-Lym	CD3+/CD4+	(%)	15.89 (7.39)	22.36 (10.28)	<0.001	
		(cells / μ l)	186.95 (389.68)	145.84 (110.67)	NS	
Supressor T/ Cytotoxic T-Lym	CD3+/CD8+	(%)	36.87 (17.89)	38.69 (20.72)	NS	
		(cells / μ l)	523.78 (950.22)	297.36 (281.43)	NS	
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.6 (0.53)	1.01 (1.01)	0.02	
pan B-Lym	CD19+	(%)	9.2 (8.12)	5.28 (7.87)	0.04	
		(cells / μ l)	112.36 (281.2)	47.8 (81.67)	NS	
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.4 (1.57)	1.03 (1.57)	NS	
		(cells / μ l)	15.44 (28.19)	8.52 (14.74)	NS	
	CD19+/CD27+	(%)	0.89 (2.5)	0.21 (0.24)	NS	
		(cells / μ l)	11.04 (39.36)	1.64 (1.87)	NS	
Naïve B cells	CD19+/CD27-/CD10+	(%)	1.71 (2.75)	2.5 (5.82)	NS	
		(cells / μ l)	14.51 (27.32)	19.68 (45.45)	NS	
NK cells	CD56+/CD3-	(%)	26.8 (15.41)	27.16 (18.35)	NS	
		(cells / μ l)	207.1 (160.56)	149.08 (95.21)	NS	
NK T-cells	CD56+/CD3+	(%)	5.37 (4.18)	6.03 (10.67)	NS	
		(cells / μ l)	69.15 (145.96)	31.44 (37.04)	NS	

Naïve CD4+ cells	CD4+/CD45RA+	(%)	1.03 (1.86)	2.6 (2.5)	<0.001
		(cells / μ l)	12.54 (28.21)	15.6 (17.84)	NS
Memory CD4+ cells	CD4+/CD45R0+	(%)	13.51 (6.5)	17.38 (9.38)	0.03
		(cells / μ l)	155.92 (351.13)	120.68 (108.97)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.08 (0.14)	0.18 (0.22)	0.02
Naïve CD8+ cells	CD8+/CD45RA+	(%)	18.24 (13.16)	16.62 (11.88)	NS
		(cells / μ l)	268.17 (503.16)	120.92 (136.17)	NS
Memory CD8+ cells	CD8+/CD45R0+	(%)	16.38 (9.48)	21.1 (15.66)	NS
		(cells / μ l)	216.29 (376.54)	177.44 (188.18)	NS
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.33 (1.19)	1.61 (2.04)	NS
Gamma-delta T cells	TCR gd /CD3+	(%)	3.2 (2.79)	0.72 (0.82)	<0.001
		(cells / μ l)	39.58 (81.82)	6.36 (9.64)	NS
T-reg cells	CD4+/CD25+/CD127 ^{low-neg}	(%)	4.78 (5.76)	3.84 (5.71)	NS
Leukocytes	Leukozyten	(cells x 10 ³ / μ l)	4.86 (4.76)	4.05 (2.1)	NS
segmented neutrophils?	Segmentkernige	(%)	61.43 (16.98)	not available	NS
		(cells x 10 ³ / μ l)	2.5 (1.11)	not available	NS
Lymphocytes	Lymphozyten	(%)	21.57 (10.73)	17.96 (9.18)	NS
		(cells x 10 ³ / μ l)	1.17 (1.85)	0.68 (0.46)	NS
Monocytes	Monozyten	(%)	8.16 (5.88)	not available	NS
		(cells x 10 ³ / μ l)	0.42 (0.61)	not available	NS

Day 180 MRD	Cell marker		ATG	PTCY	P
			Mean (SD)	Mean (SD)	
T-Lymphocytes	CD3+	(%)	65.03 (19.33)	61.14 (17.53)	NS
		(cells / μ l)	1051.22 (1195.16)	752.33 (592.75)	NS
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	18.45 (14.38)	15.9 (10.62)	NS
		(cells / μ l)	360.18 (625.56)	199.61 (225.33)	NS
Helper/Inducer T-Lym	CD3+/CD4+	(%)	18.03 (11.11)	18.17 (5.62)	NS
		(cells / μ l)	227.41 (259.49)	185.28 (94.51)	NS
Supressor T/ Cytotoxic T-Lym	CD3+/CD8+	(%)	45.21 (21.83)	42.42 (22.04)	NS
		(cells / μ l)	808.61 (1040.85)	559.5 (531.96)	NS
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.66 (0.85)	0.68 (0.59)	NS
pan B-Lym	CD19+	(%)	13.15 (11.64)	8.63 (10.37)	NS
		(cells / μ l)	143.94 (130.9)	96.89 (113.63)	NS
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.8 (2.42)	0.89 (0.99)	NS
		(cells / μ l)	21.28 (26.87)	9.94 (12.96)	NS
	CD19+/CD27+	(%)	0.73 (2.3)	0.39 (0.52)	NS
		(cells / μ l)	12.93 (53.99)	5 (7.77)	NS
Naïve B cells	CD19+/CD27-/CD10+	(%)	1.67 (2.34)	2.25 (5.75)	NS
		(cells / μ l)	17.13 (24.97)	22.44 (54.84)	NS
NK cells	CD56+/CD3-	(%)	17.25 (11.46)	24.82 (15.24)	0.03
		(cells / μ l)	195.2 (199.1)	224.78 (145)	NS
NK T-cells	CD56+/CD3+	(%)	5.38 (5.18)	3.36 (2.7)	NS
		(cells / μ l)	94.86 (172.91)	44.17 (52.06)	NS

Naïve CD4+ cells	CD4+/CD45RA+	(%)	1.45 (1.86)	2.31 (2.4)	NS
		(cells / μ l)	16.22 (22.97)	26.83 (41.61)	NS
Memory CD4+ cells	CD4+/CD45R0+	(%)	14.96 (9.54)	15.2 (6.1)	NS
		(cells / μ l)	185.02 (222.5)	151.94 (80.55)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.1 (0.13)	0.18 (0.24)	NS
Naïve CD8+ cells	CD8+/CD45RA+	(%)	18.39 (12.5)	17.35 (12.43)	NS
		(cells / μ l)	286.24 (328.18)	225.78 (260.49)	NS
Memory CD8+ cells	CD8+/CD45R0+	(%)	23.8 (15.78)	25.94 (17.43)	NS
		(cells / μ l)	460.47 (804.56)	345.11 (399.63)	NS
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.06 (0.85)	0.99 (0.84)	NS
Gamma-delta T cells	TCR gd /CD3+	(%)	3.49 (3.69)	1.48 (1.57)	0.03
		(cells / μ l)	53.08 (74.4)	20.28 (28.43)	NS
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	5.54 (4.97)	5.67 (4.77)	NS
Leukocytes	Leukozyten	(cells x 10 ³ / μ l)	5.37 (3.13)	4.98 (2.19)	NS
segmented neutrophils?	Segmentkernige	(%)	48.3 (16.39)	not available	NS
		(cells x 10 ³ / μ l)	2.34 (2.23)	not available	NS
Lymphocytes	Lymphozyten	(%)	26.59 (15.5)	22.11 (10.39)	NS
		(cells x 10 ³ / μ l)	1.45 (1.37)	1.13 (0.7)	NS
Monocytes	Monozyten	(%)	7.52 (3)	not available	NS
		(cells x 10 ³ / μ l)	0.37 (0.4)	not available	NS

Day 30 MUD	Cell marker		ATG	PTCY	P
			Mean (SD)	Mean (SD)	
T-Lymphocytes	CD3+	(%)	40.36 (24.27)	53.83 (23.79)	<0.001
		(cells / μ l)	260.12 (458.29)	198.19 (261.09)	NS
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	12.81 (15.12)	20.62 (16.35)	0.001
		(cells / μ l)	95.14 (224.07)	80.88 (133.06)	NS
Helper/Inducer T-Lym	CD3+/CD4+	(%)	8.6 (7.97)	18.43 (13.14)	<0.001
		(cells / μ l)	47.96 (79.21)	59.25 (65.07)	NS
Supressor T/ Cytotoxic T-Lym	CD3+/CD8+	(%)	25.96 (20.2)	32.77 (23.07)	0.038
		(cells / μ l)	186.38 (394.08)	135.02 (212.64)	NS
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.44 (0.42)	1.1 (1.16)	<0.001
pan B-Lym	CD19+	(%)	2.06 (3.86)	0.3 (0.76)	0.001
		(cells / μ l)	9.73 (34.15)	0.79 (1.99)	NS
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.34 (1.97)	1.18 (1.92)	NS
		(cells / μ l)	7.43 (15.94)	3.08 (5.57)	NS
	CD19+/CD27+	(%)	0.59 (1.14)	0.27 (0.61)	0.049
		(cells / μ l)	2.49 (5.73)	0.69 (1.31)	0.026
Naïve B cells	CD19+/CD27-/CD10+	(%)	0.69 (4.15)	1.06 (3.49)	NS
		(cells / μ l)	2.4 (11.98)	1.42 (5.16)	NS
NK cells	CD56+/CD3-	(%)	41.57 (20.86)	27.32 (18.99)	<0.001
		(cells / μ l)	166.73 (158.83)	89.96 (112.43)	0.001
NK T-cells	CD56+/CD3+	(%)	6.67 (7.21)	3.38 (3.35)	0.002
		(cells / μ l)	43.69 (111.86)	9.6 (11.58)	0.029
Naïve CD4+ cells	CD4+/CD45RA+	(%)	0.35 (0.73)	1.69 (2.12)	<0.001
		(cells / μ l)	1.87 (4.8)	5.17 (7.87)	<0.001

Memory CD4+ cells	CD4+/CD45R0+	(%)	7.31 (6.76)	16.02 (11.71)	<0.001
		(cells / μ l)	38.37 (54.61)	51.29 (62.22)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.09 (0.39)	0.2 (0.59)	NS
Naïve CD8+ cells	CD8+/CD45RA+	(%)	10.29 (10.21)	6.61 (6.45)	0.015
		(cells / μ l)	75.88 (182.98)	26 (50.53)	NS
Memory CD8+ cells	CD8+/CD45R0+	(%)	13.23 (13.77)	26.36 (20.62)	<0.001
		(cells / μ l)	96.62 (205.98)	108.73 (177.42)	NS
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.33 (1.82)	0.42 (0.76)	0.001
Gamma-delta T cells	TCR gd /CD3+	(%)	5.85 (6.56)	2.02 (1.9)	<0.001
		(cells / μ l)	33.47 (65.95)	7.12 (10.3)	0.004
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	7.32 (13.14)	7.61 (9.16)	NS
Leukocytes	Leukozyten	(cells x 10 ³ / μ l)	6.9 (12.39)	7.44 (15.2)	NS
segmented neutrophils?	Segmentkernige	(%)	62.93 (20.68)	78.33 (4.04)	NS
		(cells x 10 ³ / μ l)	3.99 (6.58)	6.68 (0.18)	NS
Lymphocytes	Lymphozyten	(%)	11.37 (10.91)	7.67 (6.12)	0.02
		(cells x 10 ³ / μ l)	0.5 (0.54)	0.34 (0.31)	0.045
Monocytes	Monozyten	(%)	14.95 (10.91)	9.33 (3.21)	NS
		(cells x 10 ³ / μ l)	0.57 (0.53)	0.89 (0.43)	NS

Day 100 MUD	Cell marker		ATG	PTCY	P
			Mean (SD)	Mean (SD)	
T-Lymphocytes	CD3+	(%)	56.45 (20.33)	48.49 (22.57)	0.023
		(cells / μ l)	553.34 (851.11)	332.89 (355.9)	NS
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	13.18 (11.17)	6.38 (6.27)	<0.001
		(cells / μ l)	160.12 (604.55)	55.33 (142.73)	NS
Helper/Inducer T-Lym	CD3+/CD4+	(%)	13.04 (6.99)	21.66 (11.27)	<0.001
		(cells / μ l)	127.46 (349.54)	132.98 (148.27)	NS
Supressor T/ Cytotoxic T-Lym	CD3+/CD8+	(%)	38.28 (19.74)	25.84 (20.55)	<0.001
		(cells / μ l)	381.18 (498.42)	194 (275.18)	0.016
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.45 (0.35)	1.39 (0.99)	<0.001
pan B-Lym	CD19+	(%)	6.29 (6.76)	7.7 (9.27)	NS
		(cells / μ l)	51.92 (71.41)	45.07 (56.82)	NS
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.19 (1.46)	1.65 (2.05)	NS
		(cells / μ l)	9.76 (15.33)	10.09 (14.14)	NS
	CD19+/CD27+	(%)	0.35 (0.42)	0.53 (0.71)	0.03
		(cells / μ l)	2.55 (3.83)	2.82 (3.98)	NS
Naïve B cells	CD19+/CD27-/CD10+	(%)	1.15 (2.19)	2.71 (4.46)	0.001
		(cells / μ l)	9.19 (20.34)	13 (19.42)	NS
NK cells	CD56+/CD3-	(%)	28.78 (16.5)	33.38 (20.81)	NS
		(cells / μ l)	190.41 (124.31)	199.02 (229.28)	NS
NK T-cells	CD56+/CD3+	(%)	5.81 (6.54)	3.03 (2.81)	0.006
		(cells / μ l)	48.13 (68.56)	19.27 (26.48)	0.006
Naïve CD4+ cells	CD4+/CD45RA+	(%)	0.58 (1.11)	2.54 (2.02)	<0.001
		(cells / μ l)	5.45 (13.46)	14.36 (16.2)	<0.001

Memory CD4+ cells	CD4+/CD45R0+	(%)	11.54 (5.88)	18.6 (10.85)	<0.001
		(cells / μ l)	105.53 (249.5)	117.76 (131.86)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.05 (0.09)	0.14 (0.1)	<0.001
Naïve CD8+ cells	CD8+/CD45RA+	(%)	16.51 (13.28)	11.86 (11.25)	0.032
		(cells / μ l)	163.94 (232.86)	88.64 (144.7)	0.04
Memory CD8+ cells	CD8+/CD45R0+	(%)	20.34 (13.19)	13.35 (14.03)	0.002
		(cells / μ l)	204.34 (312.28)	95.27 (147.63)	0.024
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.12 (1.26)	1.35 (1.04)	NS
Gamma-delta T cells	TCR gd /CD3+	(%)	4.94 (5.53)	1.56 (2.43)	<0.001
		(cells / μ l)	42.94 (74.37)	14.24 (38.64)	0.013
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	4.9 (5.51)	4.6 (4.74)	NS
Leukocytes	Leukozyten	(cells x 10 ³ / μ l)	6.12 (10.74)	5.42 (7.05)	NS
segmented neutrophils?	Segmentkernige	(%)	63.27 (15.43)	0 (0)	NS
		(cells x 10 ³ / μ l)	2.66 (1.61)	0 (0)	NS
Lymphocytes	Lymphozyten	(%)	19.49 (12.11)	15.73 (10.26)	NS
		(cells x 10 ³ / μ l)	0.86 (0.93)	0.64 (0.51)	NS
Monocytes	Monozyten	(%)	7.83 (4.4)	0 (0)	NS
		(cells x 10 ³ / μ l)	0.31 (0.25)	0 (0)	NS

Day 180 MUD	Cell marker		ATG	PTCY	P
			Mean (SD)	Mean (SD)	
T-Lymphocytes	CD3+	(%)	63.36 (18.31)	52.89 (18.94)	0.002
		(cells / μ l)	858.83 (831.09)	604.42 (595.22)	NS
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	15.62 (12.5)	8.89 (6.75)	0.002
		(cells / μ l)	210.21 (263.67)	100.63 (119.27)	0.013
Helper/Inducer T-Lym	CD3+/CD4+	(%)	15.76 (7.56)	21.22 (9.1)	<0.001
		(cells / μ l)	174.45 (127.8)	220.13 (195.01)	NS
Supressor T/ Cytotoxic T-Lym	CD3+/CD8+	(%)	44 (20.19)	30.11 (17.81)	<0.001
		(cells / μ l)	640.26 (715.33)	371 (452.73)	0.028
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.49 (0.49)	0.99 (0.64)	<0.001
pan B-Lym	CD19+	(%)	11.55 (10.39)	18.02 (11.46)	0.001
		(cells / μ l)	127.34 (147.73)	181.18 (157.98)	0.047
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.69 (2.56)	1.96 (2)	NS
		(cells / μ l)	24.39 (79.64)	19.47 (22.6)	NS
	CD19+/CD27+	(%)	0.45 (0.53)	0.56 (0.72)	NS
		(cells / μ l)	5.31 (9.57)	5.16 (6.59)	NS
Naïve B cells	CD19+/CD27-/CD10+	(%)	2.3 (4.96)	4.57 (5.02)	0.013
		(cells / μ l)	22.64 (41.93)	45.79 (61.77)	0.007
NK cells	CD56+/CD3-	(%)	18.83 (11.99)	21.97 (13.43)	NS
		(cells / μ l)	182.51 (123.16)	193.29 (138.07)	NS
NK T-cells	CD56+/CD3+	(%)	4.6 (4.61)	2.44 (2.13)	0.005
		(cells / μ l)	60.42 (151.66)	25.32 (25.97)	NS
Naïve CD4+ cells	CD4+/CD45RA+	(%)	1.2 (2.2)	2.85 (1.92)	<0.001
		(cells / μ l)	14.14 (28.23)	26.47 (21.22)	0.012

Memory CD4+ cells	CD4+/CD45R0+	(%)	13.06 (7.09)	17.27 (8.68)	0.002
		(cells / μ l)	139.65 (93.67)	184.82 (184.42)	0.031
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.14 (0.63)	0.19 (0.15)	NS
Naïve CD8+ cells	CD8+/CD45RA+	(%)	18.79 (13.83)	11.2 (7.96)	0.001
		(cells / μ l)	271.52 (328.28)	133.05 (178.17)	0.013
Memory CD8+ cells	CD8+/CD45R0+	(%)	23.05 (14.21)	18.84 (13.21)	NS
		(cells / μ l)	324.45 (393.31)	236.32 (285.73)	NS
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.45 (4.75)	0.94 (1.05)	NS
Gamma-delta T cells	TCR gd /CD3+	(%)	4.71 (5)	1.53 (1.65)	<0.001
		(cells / μ l)	59.52 (99.17)	17.76 (22.85)	0.011
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	5.89 (6.37)	6.3 (5.06)	NS
Leukocytes	Leukozyten	(cells x 10 ³ / μ l)	7.02 (9.58)	5.98 (6.95)	NS
segmented neutrophils?	Segmentkernige	(%)	57.86 (14.96)	0 (0)	NS
		(cells x 10 ³ / μ l)	2.78 (1.63)	0 (0)	NS
Lymphocytes	Lymphozyten	(%)	23.73 (13.71)	21.95 (10.31)	NS
		(cells x 10 ³ / μ l)	1.24 (0.91)	1.05 (0.68)	NS
Monocytes	Monozyten	(%)	7.85 (4.13)	0 (0)	NS
		(cells x 10 ³ / μ l)	0.38 (0.27)	0 (0)	NS

Day 30 MMUD	Cell marker		ATG	PTCY	P
			Mean (SD)	Mean (SD)	
T-Lymphocytes	CD3+	(%)	42.47 (21.41)	47.93 (26.25)	NS
		(cells / μ l)	317.92 (503.56)	178.06 (310.84)	NS
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	13.24 (12)	22.58 (15.41)	0.014
		(cells / μ l)	109.33 (295.33)	87.63 (147.09)	NS
Helper/Inducer T-Lym	CD3+/CD4+	(%)	9.41 (7.14)	17.42 (9.04)	<0.001
		(cells / μ l)	58.47 (69.71)	83.94 (194.2)	NS
Supressor T/ Cytotoxic T-Lym	CD3+/CD8+	(%)	26.15 (16.29)	27.56 (21.24)	NS
		(cells / μ l)	210.65 (380.78)	89.69 (123.09)	NS
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.44 (0.29)	1.03 (0.96)	<0.001
pan B-Lym	CD19+	(%)	2.49 (4.05)	0.14 (0.33)	0.024
		(cells / μ l)	13.06 (32.55)	0.13 (0.5)	NS
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.08 (0.96)	1.87 (4.03)	NS
		(cells / μ l)	5.2 (6.21)	2 (2.39)	NS
	CD19+/CD27+	(%)	0.42 (0.64)	1.31 (2.02)	0.01
		(cells / μ l)	1.8 (2.37)	2 (3.14)	NS
Naïve B cells	CD19+/CD27-/CD10+	(%)	0.18 (0.65)	0.06 (0.14)	NS
		(cells / μ l)	0.67 (2.53)	0.06 (0.25)	NS
NK cells	CD56+/CD3-	(%)	41.99 (17.77)	34.83 (20.97)	NS
		(cells / μ l)	197.86 (170.68)	177.38 (396.64)	NS
NK T-cells	CD56+/CD3+	(%)	6.6 (4.93)	8.41 (9.92)	NS
		(cells / μ l)	36.16 (37.48)	27.5 (71.87)	NS
Naïve CD4+ cells	CD4+/CD45RA+	(%)	0.43 (0.85)	2.02 (3.52)	0.004
		(cells / μ l)	2.82 (6.05)	30.06 (108.86)	NS

Memory CD4+ cells	CD4+/CD45R0+	(%)	8.04 (5.89)	14.48 (8.6)	0.001
		(cells / μ l)	49.35 (59.51)	46.06 (62.38)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.05 (0.08)	0.21 (0.48)	0.02
Naïve CD8+ cells	CD8+/CD45RA+	(%)	10.65 (9.67)	6.34 (7.16)	NS
		(cells / μ l)	89.78 (174.16)	23.81 (42.66)	NS
Memory CD8+ cells	CD8+/CD45R0+	(%)	13.32 (11.32)	18.74 (13.47)	NS
		(cells / μ l)	100.92 (193.47)	65.88 (97.4)	NS
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.12 (1.08)	0.42 (0.33)	0.013
Gamma-delta T cells	TCR gd /CD3+	(%)	6.85 (8.48)	1.59 (2.08)	0.017
		(cells / μ l)	38.88 (58.66)	3.25 (5.03)	0.019
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	7.18 (9.34)	12.55 (14.71)	NS
Leukocytes	Leukozyten	(cells x 10 ³ / μ l)	5.44 (3.5)	4.4 (3.22)	NS
segmented neutrophils?	Segmentkernige	(%)	66.54 (14.75)	52.17 (14.66)	NS
		(cells x 10 ³ / μ l)	3.38 (2.41)	1.28 (0.8)	NS
Lymphocytes	Lymphozyten	(%)	11.76 (9.34)	8.31 (8.26)	NS
		(cells x 10 ³ / μ l)	0.59 (0.68)	0.4 (0.75)	NS
Monocytes	Monozyten	(%)	12.64 (8.22)	23.17 (5.98)	NS
		(cells x 10 ³ / μ l)	0.54 (0.41)	0.56 (0.22)	NS

Day 100 MMUD	Cell marker		ATG	PTCY	P
			Mean (SD)	Mean (SD)	
T-Lymphocytes	CD3+	(%)	58.81 (18.09)	60.55 (16.42)	NS
		(cells / μ l)	586.16 (679.03)	587.38 (689.25)	NS
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	16.81 (13.62)	10.75 (8.85)	NS
		(cells / μ l)	180.96 (330.01)	113.85 (172.26)	NS
Helper/Inducer T-Lym	CD3+/CD4+	(%)	15.99 (12.11)	22.08 (9.84)	NS
		(cells / μ l)	146.54 (201.74)	207.62 (331.51)	NS
Supressor T/ Cytotoxic T-Lym	CD3+/CD8+	(%)	38.32 (18.31)	37.67 (21.92)	NS
		(cells / μ l)	396.63 (552.33)	374 (409.11)	NS
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.74 (1.27)	1.19 (1.46)	NS
pan B-Lym	CD19+	(%)	6.54 (7.33)	5.64 (7.08)	NS
		(cells / μ l)	60.2 (146.57)	38.69 (58.36)	NS
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.39 (2.42)	0.96 (0.93)	NS
		(cells / μ l)	22.42 (81.52)	5.69 (4.87)	NS
	CD19+/CD27+	(%)	1.05 (3.83)	0.33 (0.31)	NS
		(cells / μ l)	17.81 (93.51)	2.08 (1.93)	NS
Naïve B cells	CD19+/CD27-/CD10+	(%)	1.61 (4.18)	0.7 (1.1)	NS
		(cells / μ l)	14.49 (44.63)	4.38 (8.82)	NS
NK cells	CD56+/CD3-	(%)	28.13 (13.96)	24.45 (12.79)	NS
		(cells / μ l)	197.13 (117.48)	175.23 (215.99)	NS
NK T-cells	CD56+/CD3+	(%)	5.47 (4.59)	3.42 (3.8)	NS
		(cells / μ l)	52.8 (91.87)	35.69 (61.21)	NS
Naïve CD4+ cells	CD4+/CD45RA+	(%)	1.05 (2.13)	3.65 (5.3)	0.006
		(cells / μ l)	8.61 (20.54)	65.77 (201.5)	0.037

Memory CD4+ cells	CD4+/CD45R0+	(%)	14.52 (11.68)	17.8 (8.39)	NS
		(cells / μ l)	131.11 (189.37)	123.85 (107.37)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.06 (0.09)	0.26 (0.5)	0.005
Naïve CD8+ cells	CD8+/CD45RA+	(%)	14.5 (10.7)	13.9 (6.65)	NS
		(cells / μ l)	148.36 (208.18)	123.69 (145.04)	NS
Memory CD8+ cells	CD8+/CD45R0+	(%)	22.05 (14.31)	24.02 (17.1)	NS
		(cells / μ l)	223.34 (328.15)	247.54 (287.72)	NS
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.09 (1.97)	0.89 (0.84)	NS
Gamma-delta T cells	TCR gd /CD3+	(%)	4.6 (3.99)	2.15 (2.28)	0.037
		(cells / μ l)	42.27 (72.2)	12.08 (9.63)	NS
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	6.01 (6.75)	3.79 (2.96)	NS
Leukocytes	Leukozyten	(cells x 10 ³ / μ l)	5.45 (4.27)	3.6 (1.77)	NS
segmented neutrophils?	Segmentkernige	(%)	63.04 (18.09)	51 (18.02)	NS
		(cells x 10 ³ / μ l)	2.94 (1.74)	1.29 (1.19)	NS
Lymphocytes	Lymphozyten	(%)	19.76 (13.36)	23.23 (15.62)	NS
		(cells x 10 ³ / μ l)	0.89 (0.79)	0.86 (0.95)	NS
Monocytes	Monozyten	(%)	6.67 (3.99)	5.33 (1.53)	NS
		(cells x 10 ³ / μ l)	0.29 (0.21)	0.14 (0.13)	NS

Day 180 MMUD	Cell marker		ATG	PTCY	P
			Mean (SD)	Mean (SD)	
T-Lymphocytes	CD3+	(%)	58.81 (18.09)	60.55 (16.42)	NS
		(cells / μ l)	586.16 (679.03)	587.38 (689.25)	NS
Activated T-Lymphocytes	CD3+/HLA-DR+	(%)	16.81 (13.62)	10.75 (8.85)	NS
		(cells / μ l)	180.96 (330.01)	113.85 (172.26)	NS
Helper/Inducer T-Lym	CD3+/CD4+	(%)	15.99 (12.11)	22.08 (9.84)	NS
		(cells / μ l)	146.54 (201.74)	207.62 (331.51)	NS
Supressor T/ Cytotoxic T-Lym	CD3+/CD8+	(%)	38.32 (18.31)	37.67 (21.92)	NS
		(cells / μ l)	396.63 (552.33)	374 (409.11)	NS
Helper/supressor T ratio	CD3+CD4+/CD3+CD8+	(%)	0.74 (1.27)	1.19 (1.46)	NS
pan B-Lym	CD19+	(%)	6.54 (7.33)	5.64 (7.08)	NS
		(cells / μ l)	60.2 (146.57)	38.69 (58.36)	NS
B-subpopulation	CD19+/CD5+/CD1d+	(%)	1.39 (2.42)	0.96 (0.93)	NS
		(cells / μ l)	22.42 (81.52)	5.69 (4.87)	NS
	CD19+/CD27+	(%)	1.05 (3.83)	0.33 (0.31)	NS
		(cells / μ l)	17.81 (93.51)	2.08 (1.93)	NS
Naïve B cells	CD19+/CD27-/CD10+	(%)	1.61 (4.18)	0.7 (1.1)	NS
		(cells / μ l)	14.49 (44.63)	4.38 (8.82)	NS
NK cells	CD56+/CD3-	(%)	28.13 (13.96)	24.45 (12.79)	NS
		(cells / μ l)	197.13 (117.48)	175.23 (215.99)	NS
NK T-cells	CD56+/CD3+	(%)	5.47 (4.59)	3.42 (3.8)	NS
		(cells / μ l)	52.8 (91.87)	35.69 (61.21)	NS
Naïve CD4+ cells	CD4+/CD45RA+	(%)	1.05 (2.13)	3.65 (5.3)	0.01
		(cells / μ l)	8.61 (20.54)	65.77 (201.5)	NS

Memory CD4+ cells	CD4+/CD45R0+	(%)	14.52 (11.68)	17.8 (8.39)	NS
		(cells / μ l)	131.11 (189.37)	123.85 (107.37)	NS
CD4+ Naïve/ memory ratio	CD4+/CD45RA+/CD4+/CD45R0+	(%)	0.06 (0.09)	0.26 (0.5)	0.029
Naïve CD8+ cells	CD8+/CD45RA+	(%)	14.5 (10.7)	13.9 (6.65)	NS
		(cells / μ l)	148.36 (208.18)	123.69 (145.04)	NS
Memory CD8+ cells	CD8+/CD45R0+	(%)	22.05 (14.31)	24.02 (17.1)	NS
		(cells / μ l)	223.34 (328.15)	247.54 (287.72)	NS
CD8+ Naïve/ memory ratio	CD8+/CD45RA+/CD8+/CD45R0+	(%)	1.09 (1.97)	0.89 (0.84)	NS
Gamma-delta T cells	TCR gd /CD3+	(%)	4.6 (3.99)	2.15 (2.28)	0.041
		(cells / μ l)	42.27 (72.2)	12.08 (9.63)	NS
T-reg cells	CD4+/CD25+/CD127low-neg	(%)	6.01 (6.75)	3.79 (2.96)	NS
Leukocytes	Leukozyten	(cells x 10 ³ / μ l)	5.45 (4.27)	3.6 (1.77)	NS
segmented neutrophils?	Segmentkernige	(%)	63.04 (18.09)	51 (18.02)	NS
		(cells x 10 ³ / μ l)	2.94 (1.74)	1.29 (1.19)	NS
Lymphocytes	Lymphozyten	(%)	19.76 (13.36)	23.23 (15.62)	NS
		(cells x 10 ³ / μ l)	0.89 (0.79)	0.86 (0.95)	NS
Monocytes	Monozyten	(%)	6.67 (3.99)	5.33 (1.53)	NS
		(cells x 10 ³ / μ l)	0.29 (0.21)	0.14 (0.13)	NS