

Circulating Innate Lymphoid Cells Exhibit Distinctive Distribution During Normal Pregnancy

Reproductive Sciences

Authorship

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Supplemental information

Table S1. Participant characteristics

Characteristic	Non-pregnant	Early-pregnant	Late-pregnant	<i>P</i> value
N	6	6	6	
Age , mean (SD), years	30.17 (4.02)	28.67 (1.37)	31.83 (3.06)	0.2254
Pre-pregnancy BMI , mean (SD), kg/m ²	20.31 (1.53)	19.67 (0.73)	20.53 (2.34)	0.6600
Gravidity , n (%)				0.0611
0	3 (50)	0 (0)	0 (0)	
1	1 (16.67)	1 (16.67)	3 (50)	
≥2	2 (33.33)	5 (83.33)	3 (50)	
Parity , n (%)				0.5467
0	3 (50)	2 (33.33)	4 (66.67)	
1	1 (16.67)	2 (33.33)	2 (33.33)	
≥2	2 (33.33)	2 (33.33)	0 (0)	
Previous induced abortions , n (%)				0.0069 **
0	5 (40)	0 (44)	0 (64)	
1	0 (44)	3 (40)	3 (16)	
≥2	1 (16)	3 (16)	3 (20)	
Gestational age , median (Q1, Q3), weeks	/	6 (6, 6.75)	39.15 (38.57, 39.40)	0.0022 **

Comparisons of characteristics among non-pregnant, early- pregnant and late-pregnant women were assessed using one-way ANOVA or Mann-Whitney test for continuous variables and Chi-squared tests were used for categorical variables.

P-values less than 0.05 ($P < 0.05$) were considered significant. ** $P < 0.01$.

BMI, body mass index. SD, standard deviation. Q1, the first quartile. Q3, the third quartile.

Table S2. Participant characteristics

Characteristic	Non-pregnant	Early-pregnant	Mid-pregnant	Late-pregnant	<i>P</i> value
N	25	25	22	25	
Age, mean (SD), years	30 (3)	29.72 (2.31)	29.23 (3.13)	30.36 (2.66)	0.5610
Pre-pregnancy BMI,					
mean (SD), kg/m ²	20.12 (1.32)	20.21 (1.48)	20.88 (1.66)	20.39 (2.20)	0.4420
Gravidity, n (%)					<0.001 ***
0	7 (28)	0 (0)	0 (0)	0 (0)	
1	8 (32)	4 (16)	8 (36)	15 (60)	
≥2	10 (40)	21 (84)	14 (64)	10 (40)	
Parity, n (%)					0.0018 **
0	15 (60)	8 (32)	19 (86)	19 (76)	
1	4 (16)	9 (36)	3 (14)	5 (20)	
≥2	6 (24)	8 (32)	0 (0)	1 (4)	
Previous induced abortions, n (%)					0.2863
0	10 (40)	11 (44)	12 (54)	16 (64)	
1	11 (44)	10 (40)	9 (41)	4 (16)	
≥2	4 (16)	4 (16)	1 (5)	5 (20)	
Gestational age,					
median (Q1, Q3), weeks /		6 (6, 6)	26.22 (24.86, 26.71)	39.14 (38.79, 39.79)	<0.001 ***

Comparisons of characteristics among non-pregnant, early-pregnant, mid-pregnant and late-pregnant women were assessed using Kruskal-Wallis tests or one-way ANOVA or Mann-Whitney test for continuous variables and Chi-squared tests were used for categorical variables.

P-values less than 0.05 ($P < 0.05$) were considered significant. * $P < 0.05$ and *** $P < 0.001$.

BMI, body mass index. SD, standard deviation. Q1, the first quartile. Q3, the third quartile.

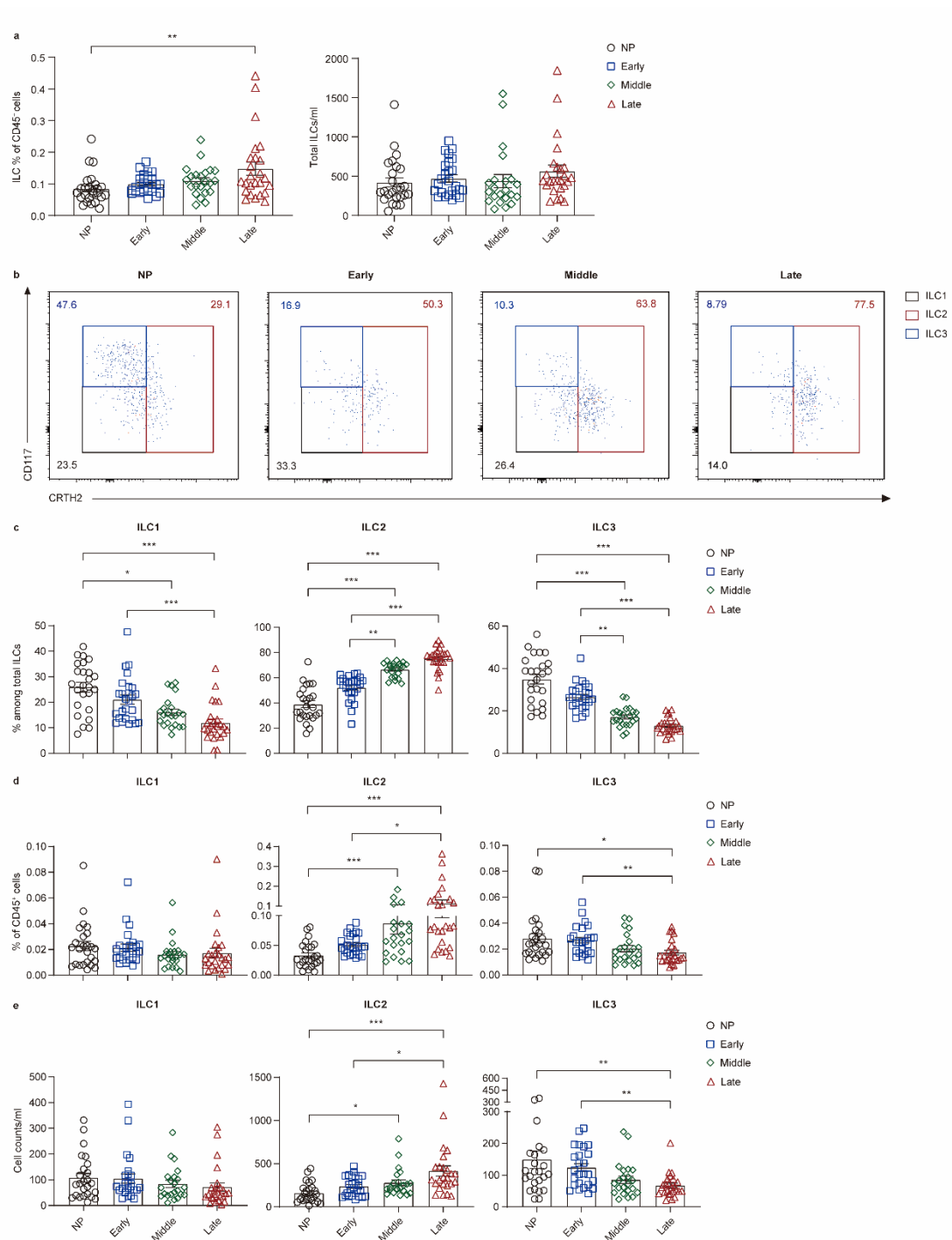


Fig S1. The middle trimester shows transitional change of circulating ILC subsets. **(a-e)** Analysis results for ILC subsets in peripheral blood samples of non-pregnant, early-pregnant, mid-pregnant and late-pregnant women. **(a)** Comparison of circulating ILC percentage in CD45⁺ cells (left) and absolute counts (right) in non-pregnant, early-pregnant, mid-pregnant and late-pregnant women. **(b)** Representative flow cytometry plots are shown in which numbers indicate the frequency of flow cytometric events. Comparison of proportion of ILC subsets within total ILCs **(c)**, ILC subset percentage in CD45⁺ cells **(d)**

and absolute counts per ml blood (**e**) in peripheral blood of non-pregnant women (black circles), early-pregnant women (blue squares), mid-pregnant women (green diamonds) and late-pregnant women (red triangles). Data are shown as means \pm SEMs and were analyzed by Kruskal-Wallis tests. Each point indicates an individual. * $P < 0.05$, ** $P < 0.01$ and *** $P < 0.001$.