Supplementary Materials

Variability in the Deformability of Red Blood Cells: Application to Treating Premature Newborns with Blood Transfusion

Dan Arbell et al.

Shapiro-Wilk test of data normality.

Shapiro-Wilk Test for PRBC (Number of samples is 156)

Parameters	MER	UDFC,%	LDFC, %	HDFC, %
Mean	1.515	3.179	20.74	4.217
St.D.	0.112	3.828	13.898	3.358
Variance	0.013	14.654	193.163	11.273
Excess Kurtosis	-0.099	7.908	1.244	2.164
Calculated Shapiro-Wilk statistic W:	0.9881	0.6797	0.9042	0.8663
Calculated Shapiro-Wilk p-value	0.1987	0.0000	0.0000	0.0000
Critical value of W (5% significance level):	0.9831	0.9831	0.9831	0.9831
Null Hypothesis	**Accept**	**Reject**	**Reject**	**Reject**

Shapiro-Wilk Test for CRBC (Number of samples is 78)

Parameters	MER	UDFC,%	LDFC, %	HDFC, %
Mean	1.606	2.364	14.53	8.452
St.D.	0.071	1.421	5.938	3.603
Variance	0.005	2.018	35.254	12.986
Excess Kurtosis	-0.219	5.602	0.286	0.947
Calculated Shapiro-Wilk statistic W:	0.9738	0.8204	0.9076	0.9636
Calculated Shapiro-Wilk p-value	0.1168	0.0000	0.00004	0.0283
Critical value of W (5% significance level):	0.9677	0.9677	0.9677	0.9677
Null Hypothesis	**Accept**	**Reject**	**Reject**	**Reject**