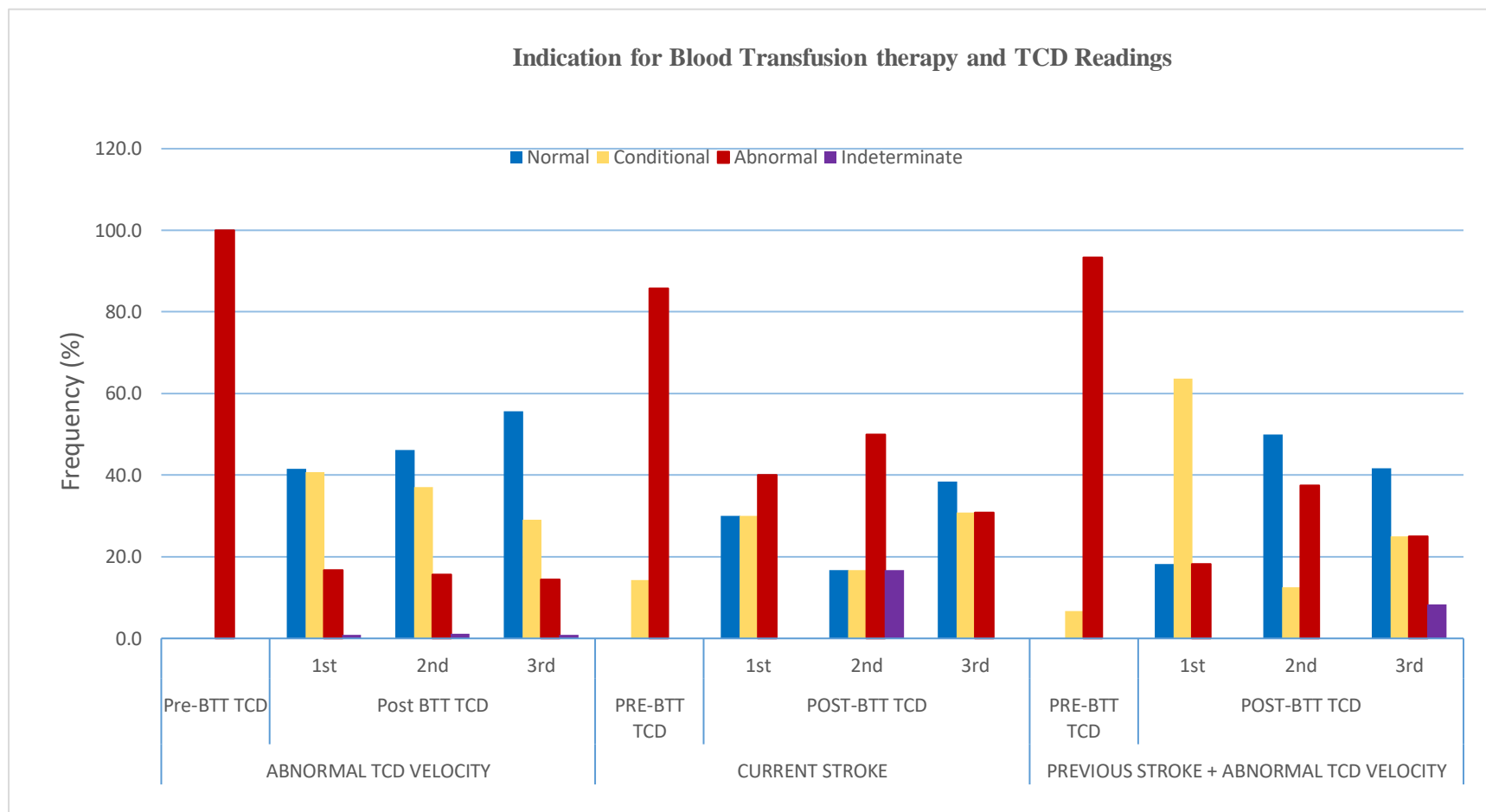


SUPPLEMENTARY DATA



Supplementary Figure: Changes in risk for stroke versus indications for Therapy during the observation period

Variable	CD Velocity changes between the periods				
	N ₂	Pre BTT	1 st Post BTT	2 nd Post BTT	3 rd Post BTT
Pre BTT	92		90.00 [*]	89.00	114.00
		—	1.000 ^{††}	1.000 ^{**}	0.830 ^{**}
			P< .001	P<0.001	P<0.001
1 st Post BTT	92	90.00 [*]		0.105 [*]	6.06 [*]
		1.000 ^{**}	—	0.001 ^{**}	0.049 ^{**}
		P< .001		P=0.745	P=0.014
2 nd Post BTT	92	89.00 [*]	0.105 [*]		7.54 [*]
		1.000 ^{**}	0.001 ^{**}	—	0.075 ^{**}
		P<0.001	P=0.745		P=0.006
3 rd Post BTT	92	114.00 [*]	6.06 [*]	7.54 [*]	
		.830 ^{**}	0.049 ^{**}	0.075 ^{**}	—
		P<0.001	P=0.014	P=0.006	

*Chi-square (Freidman Test) ††Effect size (Kendall's W Test)

0 **Supplementary Table:** Showing a statistical Comparison of Serial TCD Readings with the
1 pre-BTT and between subsequent BTT.

2

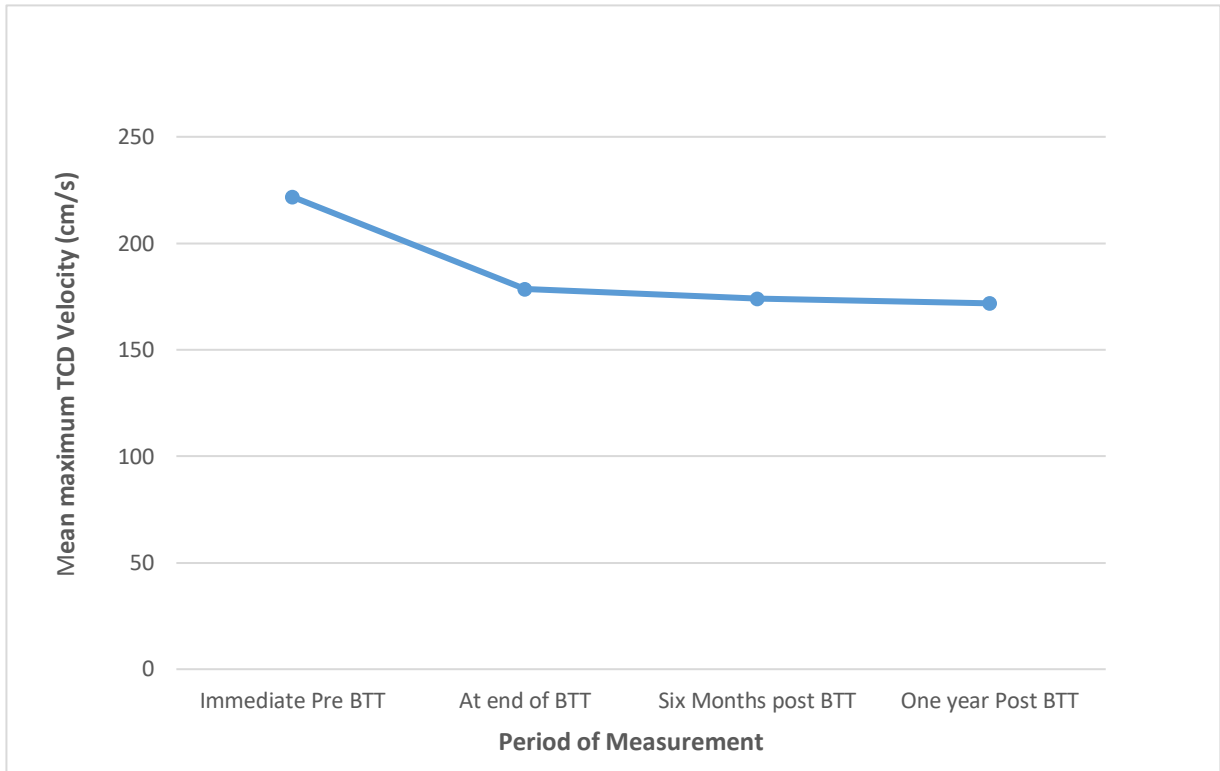
3 Changes in Mean Maximum TCD velocity before, during and after Blood
4 transfusion therapy

Period of assessment	Mean maximum TCD Velocity (cm/s)		F Statistics	P value
	Number	Mean (±SD)		
Immediate Pre BTT	158	221.8 (23.3)		
At end of BTT	131	178.5 (33.6)	93.5	0.000
Six Months post BTT	101	174 (31.6)		
One year Post BTT	137	171.8 (30.9)		

5

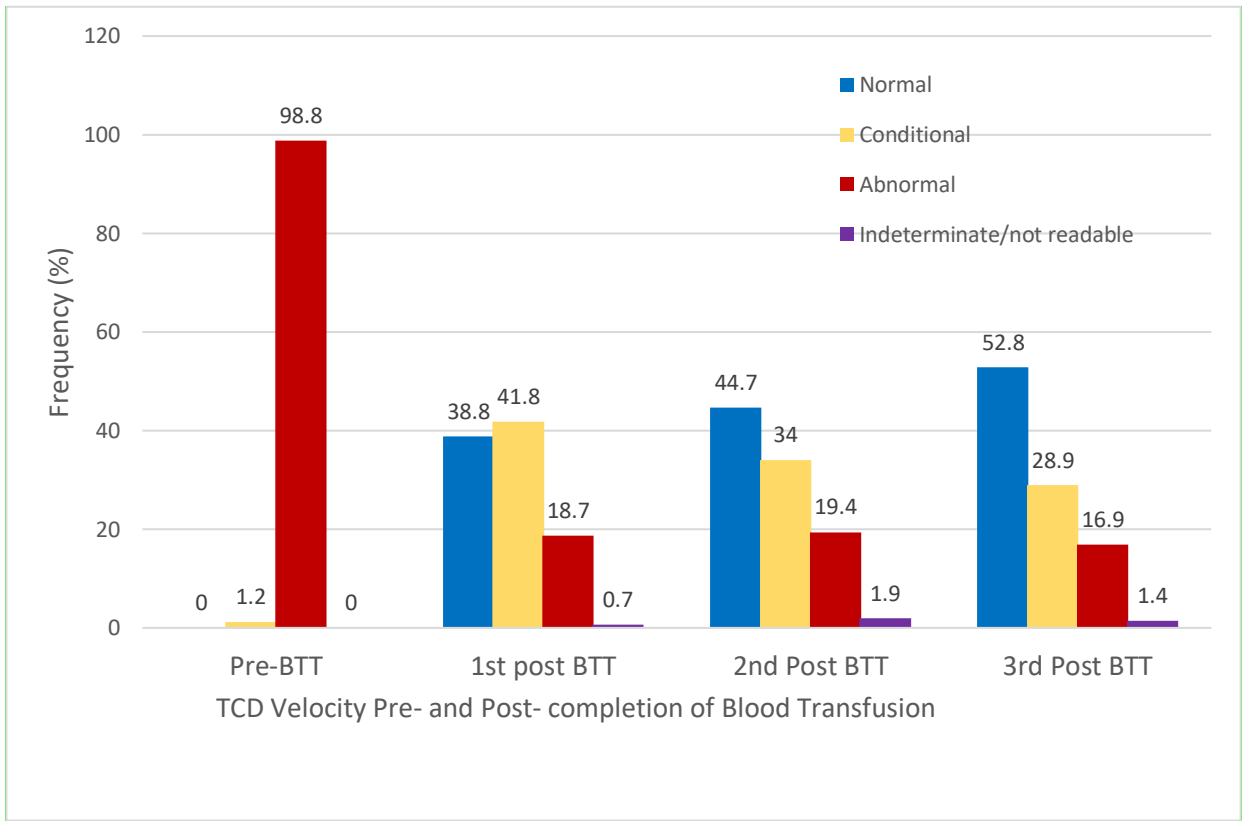
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9 Supplementary Figure 2: Changes in time-averaged mean maximum velocity (TAMMV) Velocity
 10 during the period of observation.
 11



12

13 Supplementary Figure 3: Risk for stroke in subjects before and after completion of blood transfusion
 14 therapy.

