Table S1. Formula of 13 indices.

Index	Formula	Cut-off point of indicated Thalassemia
Mentzer	MCV/RBC	<13
RDWI	$\dfrac{MCV \times RDW}{RBC}$	<220
Cruise	MCHC + 0.603 RBC + 0.523 RDW	>42.63
Shin&Lal (S.L)	$\dfrac{MCV^2 \times MCH}{100}$	<1530
Sirvastava	MCH/RBC	<3.8
Green & King (G.K)	$\dfrac{0.01 \times MCV^2 \times RDW}{Hb}$	<65
Sirdah	$MCV - RBC - 3 \times Hb$	<27
Ehsani	$MCH - 10 \times RBC$	<15
England &Fraser (E.F)	$MCV - RBC - 5 \times Hb - 3.4$	<0
Ricerca	RDW/RBC	<44
MDHL	$\dfrac{RBC \times MCH}{MCV}$	>1.75
MCHD	MCH/MCV	<0.34
Huber-Herklotz (H.H)	$RDW + \dfrac{0.1 \times MCH \times RDW}{RBC}$	<20

Figure S1. Distribution of three groups of patient in 13 indices.

MDHL

MCHD

HH