

Additional File 1: Table S1

Supplementary Table S1. Comparison of mean (\pm standard deviation) values of the SF-36 domains according with initial and final phases among patient groups

Variables		Group 1 ^a n = 23		Group 2 ^b n = 42	
SF-36 domains	Follow-up phases	Mean \pm SD	p value	Mean \pm SD	p value
Physical functions	Initial	81 \pm 23	0.74	89 \pm 15	0.20
	Final	84 \pm 24		82 \pm 22	
Role-physical	Initial	74 \pm 42	0.34	86 \pm 30	0.31
	Final	74 \pm 43		73 \pm 36	
Bodily pain	Initial	70 \pm 21	0.19	78 \pm 22	0.60
	Final	64 \pm 30		74 \pm 24	
General health perception	Initial	66 \pm 21	0.34	66 \pm 15	0.30
	Final	58 \pm 21		69 \pm 21	
Vitality	Initial	54 \pm 26	0.92	67 \pm 19	0.60
	Final	56 \pm 24		67 \pm 21	
Social functioning	Initial	70 \pm 32	0.64	87 \pm 16	0.65
	Final	68 \pm 31		87 \pm 22	
Role-emotional	Initial	75 \pm 37	0.02	82 \pm 31	0.31
	Final	57 \pm 45		83 \pm 30	
Mental health	Initial	66 \pm 23	0.94	74 \pm 18	0.30
	Final	69 \pm 22		77 \pm 21	

^aGroup 1: 23 patients with primary iron overload and homozygosity for the p.Cys282Tyr mutation. ^bGroup 2:

42 patients with primary iron overload and other genotypes: compound heterozygosity for the p.Cys282Tyr/p.His63Asp (n = 10), heterozygosity for the p.Cys282Tyr (n = 4), homozygosity (n = 10) or heterozygosity (n = 8) for the p.His63Asp, or absence of p.Cys282Tyr and p.His63Asp (n = 10).

Additional File 2: Table S2

Supplementary Table S2. Comparison of serum ferritin (ng/mL) values and the SF-36 domains according with initial and final phases in overall patient group

		Serum ferritin initial phase		Serum ferritin finalphase
Physical functions (initial phase,final phase)	r	-0.212	R	-0.352
	p	0.121	P	0.008
Role-physical (initial phase, finalphase)	r	-0.060	R	-0.133
	p	0.661	P	0.332
Bodily pain (initial phase, finalphase)	r	-0.141	R	-0.038
	p	0.305	P	0.784
General health perception(initial phase, final phase)	r	0.008	R	-0.127
	p	0.953	P	0.354
Vitality (initial phase, finalphase)	r	-0.024	R	-0.211
	p	0.864	P	0.121
Social functioning (initial phase,final phase)	r	-0.173	R	-0.200
	p	0.207	P	0.142
Role-emotional (initial phase,final phase)	r	0.157	R	-0.094
	p	0.253	P	0.495
Mental health (initial phase,final phase)	r	0.064	R	0.110
	p	0.643	P	0.424