

SUPPLEMENTARY FIGURE AND TABLE

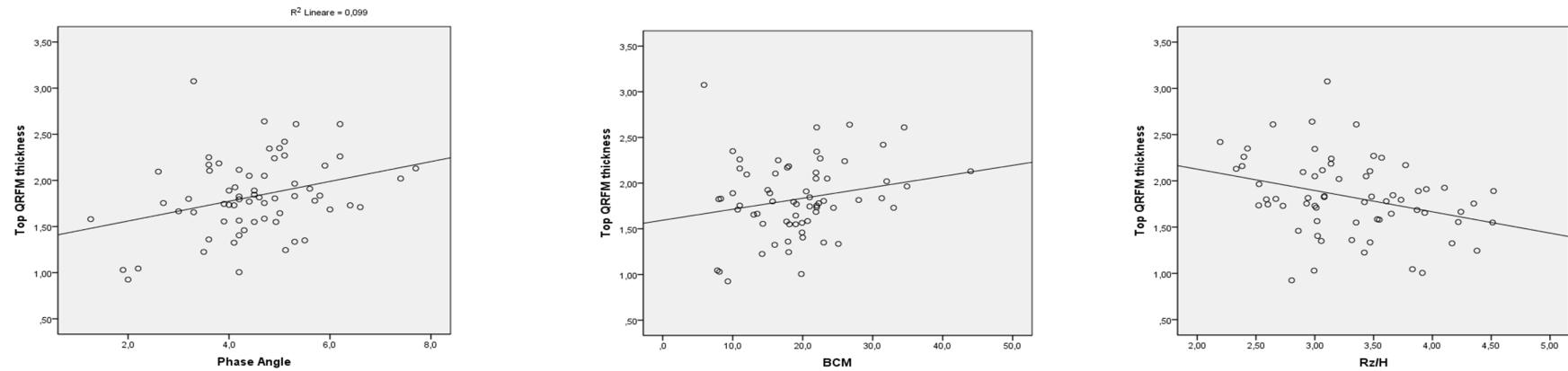
Table S1: Clinical, metabolic and nutritional data of hemodialysis patients stratified by BMI, albumin and MIS score.

	BMI		Albumin		MIS score				
	< 23 Kg/m ²	> 23 Kg/m ²	< 3.8 g/dl	> 3.8 g/dl	< 6 score	> 6 score			
	(n= 25)	(n=40)	p	(n=34)	(n=31)	p	(n=25)	(n=40)	p
Age, years *	68 (17)	69 (11.8)	0.42	70.8 (13.4)	67 (14)	0.27	64.9 (14)	71.5 (13)	0.62
Sex, Males, n (%)	45	40	0.71	52.9	29	0.51	24	52.5	0.30
Caucasian race, %	100	97.5	0.47	100	96.7	0.29	100	97.5	0.43
Diabetes mellitus, %	30	35	0.11	26.4	32	0.61	24	32.5	0.46
Previous Stroke, %	20	25	0.59	14.7	25.8	0.26	16	22.5	0.52
COPD, %	25	22.5	0.49	11.7	25.8	0.15	20	17.5	0.80
Cardiovascular diseases, %	30	35	0.71	41.2	32	0.46	24	45	0.88
PAD, %	30	32.5	0.84	38.2	22.5	0.17	24	35	0.35
Previous renal transplantation, %	10	50	0.19	8.8	12.9	0.33	9	10	0.79
History of cancer, %	40	35	0.70	29.4	32	0.80	32	30	0.87
MIS < 6 score, %	25	17	0.06	14.7	64.5	0.37	100	0	<0.001
Systolic Blood Pressure, mmHg*	139.8 (21)	136.4 (23.7)	0.60	134.5 (24.9)	142.3 (20)	0.17	140 (21.6)	137.2 (23.1)	0.63
Diastolic Blood Pressure, mmHg*	75.8 (14.9)	72 (10.2)	0.32	70.5 (9.9)	76.6 (13)	0.40	77.5 (10.5)	70.9 (12)	0.20
Heart Rate, bpm*	68.9 (7.9)	68.8 (10.4)	0.24	68.4 (8.4)	68.4 (10.5)	0.98	70.5 (8)	67 (10)	0.13
KT/V*	1.4 (0.27)	1.3 (0.6)	0.74	1.5 (0.26)	1.3 (0.24)	<0.001	1.3 (0.24)	1.4 (0.27)	0.30
Serum phosphorus, mg/dl*	5.4 (2.1)	6.2 (2.4)	0.61	5.8 (2.9)	6.4 (1.9)	0.31	6.8 (2.3)	5.7 (2.5)	0.57
Serum calcium, mg/dl*	9.3 (0.9)	9.3 (0.73)	0.23	9.3 (0.9)	9.3 (0.7)	0.91	9.3 (0.74)	9.3 (0.86)	0.87
PTH, pg/ml**	194 (68-347)	205.5 (120.2-400.2)	0.74	180.5 (91-300.5)	308 (146-465)	0.11	299 (159.5-415.5)	172.5 (85-330.5)	0.28
Albumin, g/dL*	3.6 (0.4)	3.8 (0.4)	0.10	3.4 (0.7)	4 (0.20)	<0.001	4 (0.7)	3.5 (0.34)	<0.001
Ferritin, microg/L**	250 (56-510.5)	295 (80.5-501.2)	0.74	348 (115.2-575)	218 (68-425)	0.25	189 (50-379.5)	373.5 (123.5-557)	0.53

Serum iron, microg/dL*	48.9 (25.6)	62.8 (31.6)	0.76	54 (30)	61.8 (28.5)	0.30	56.8 (23.9)	58.3 (32.6)	0.82
Total Iron Binding Capacity, mg/dL*	217.8 (49.1)	243.9 (58.5)	0.14	226.7 (55.1)	247.2 (52.6)	0.17	260.65 (49.3)	219.8 (51.9)	<0.001
Total Cholesterol, mg/dL*	156.6 (48.9)	162.3 (104.8)	0.13	159.3 (48)	163.5 (47.5)	0.72	165.9 (47.3)	158.5 (47.8)	0.54
HDL Cholesterol, mg/dL*	39.1 (10)	39 (11.5)	0.29	40.7 (13.6)	39 (7.9)	0.54	40.8 (10.9)	39.4 (11.5)	0.60
Triglycerides, mg/dL**	121.5 (88-184.5)	160.5 (113.2-234.7)	0.32	140 (90.5-195)	143 (114-209)	0.71	143 (109.5-198)	139 (94.5-199)	0.94
C-reactive Protein, mg/dL**	0.53 (0.26-1.19)	0.46 (0.19-0.93)	0.52	0.47 (0.21-1.37)	0.45 (0.17-0.79)	0.06	0.44 (0.18-0.76)	0.51 (0.19-1.31)	0.12

*Data are expressed as means (standard deviations); ** Data are expressed as median and range Interquartile; ADPKD: Autosomal dominant polycystic kidney disease; COPD: chronic obstructive pulmonary disease; PAD: peripheral artery disease; PTH: parathormone.

Fig. S1. Correlation between QRFM thickness and BIVA parameters



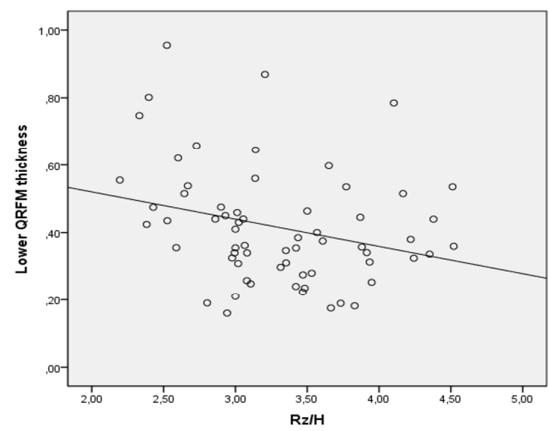
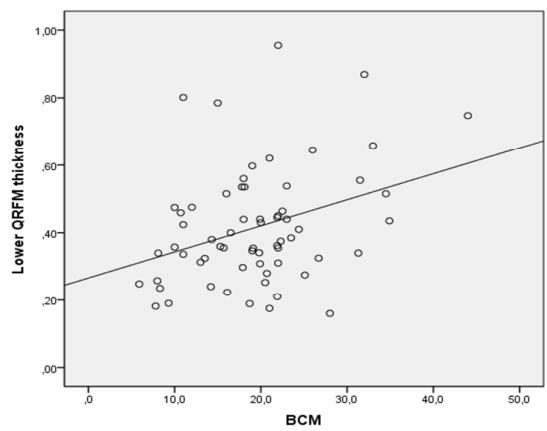
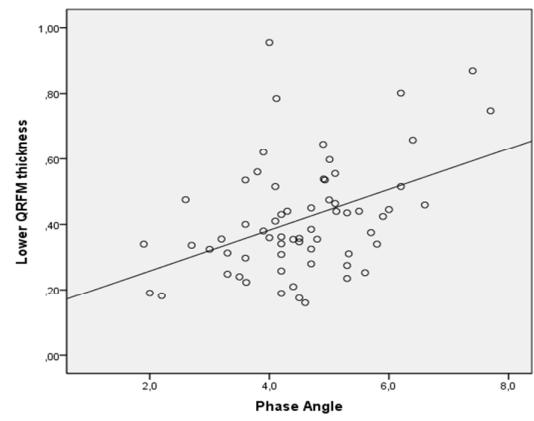
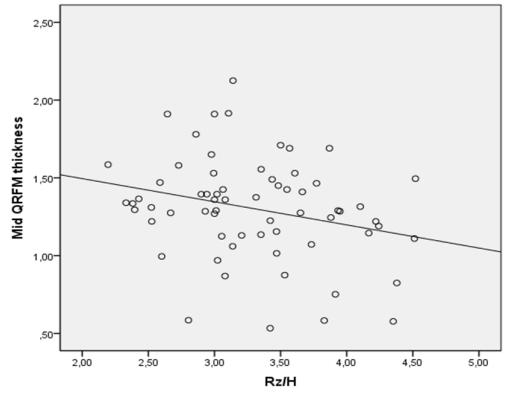
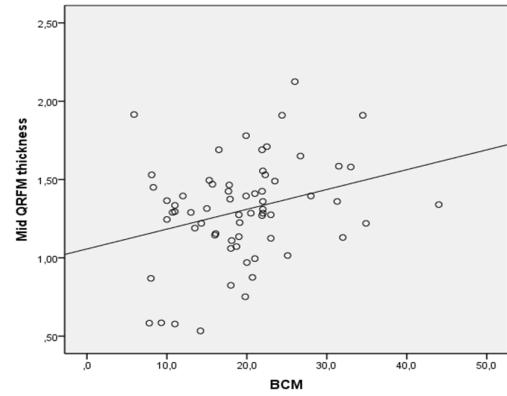
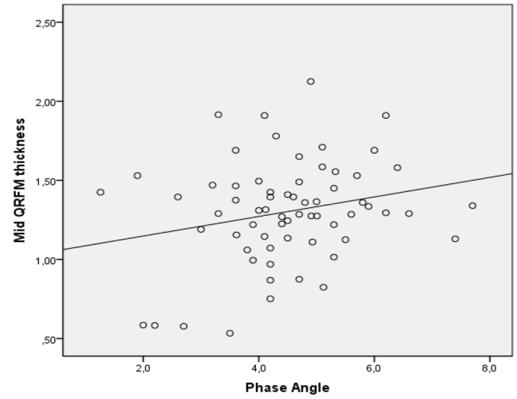


Fig. S2. Correlation between Abdominal SFT thickness and BIVA parameters

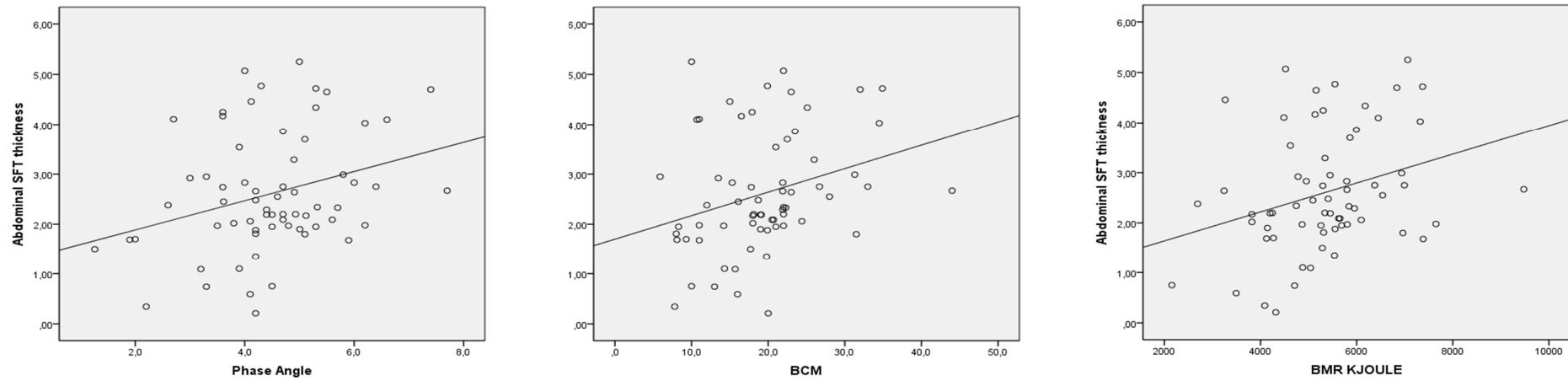


Table S2. Correlation between BIVA parameters and nutritional indexes (MIS score, albumin and BMI) in HD patients.

Model	Dependent Variable: MIS Score						Dependent Variable: Albumin						Dependent Variable: BMI								
	UC		SC	t	Sig.	95 % CI		UC		SC	t	Sig.	95 % CI		UC		SC	t	Sig.	95 % CI	
	B	Error	Beta			LB	UB	B	Error	Beta			LB	UB	B	Error	Beta			LB	UB
(Costant)	-3,156	6,653		-,474	,637	-16,470	10,158	3,561	,416		8,555	,000	2,728	4,393	36,301	5,061		7,172	,000	26,177	46,424
Rz/H	6,398	1,807	,753	3,540	,001	2,782	10,014	-,162	,084	-,237	-1,933	,058	-,329	,006	-3,773	1,018	-,441	-3,706	,000	-5,809	-1,736

Xc/H	- 58,813	19,734	-,831	-2,980	,004	-98,300	-19,326														
BCM															,265	,091	,401	2,918	,005	,083	,446
BMR KJOULE								,000	,000	,606	2,491	,016	,000	,000							
BMR KCAL								-,001	,000	-,520	-1,977	,053	-,001	,000							
PA								,097	,048	,303	2,010	,049	,000	,194							

BMI: Body Mass Index; BCM: Body cell mass; BMR: basic metabolic rate; CI: Confidence Interval; H: height; LB: Lower Bound; MIS: Malnutrition Inflammation Score; PA: Phase Angle; Rz: resistance; SC: Standardized Coefficients; UB: Upper Bound; UC: Unstandardized Coefficients; Xc: reactance.