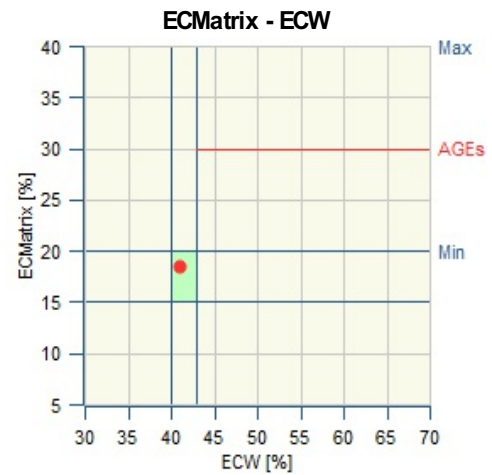
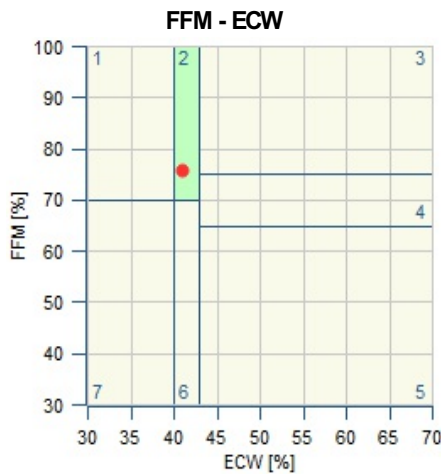


General data and anthropometric values

Patient:
Birthdate: 23/03/1986
Age: 34
Gender: M
Height (cm): 167 Height
Weight (kg): 68.0 BodyWeight - BW
BMI (kg/m²): 24.4 Normal

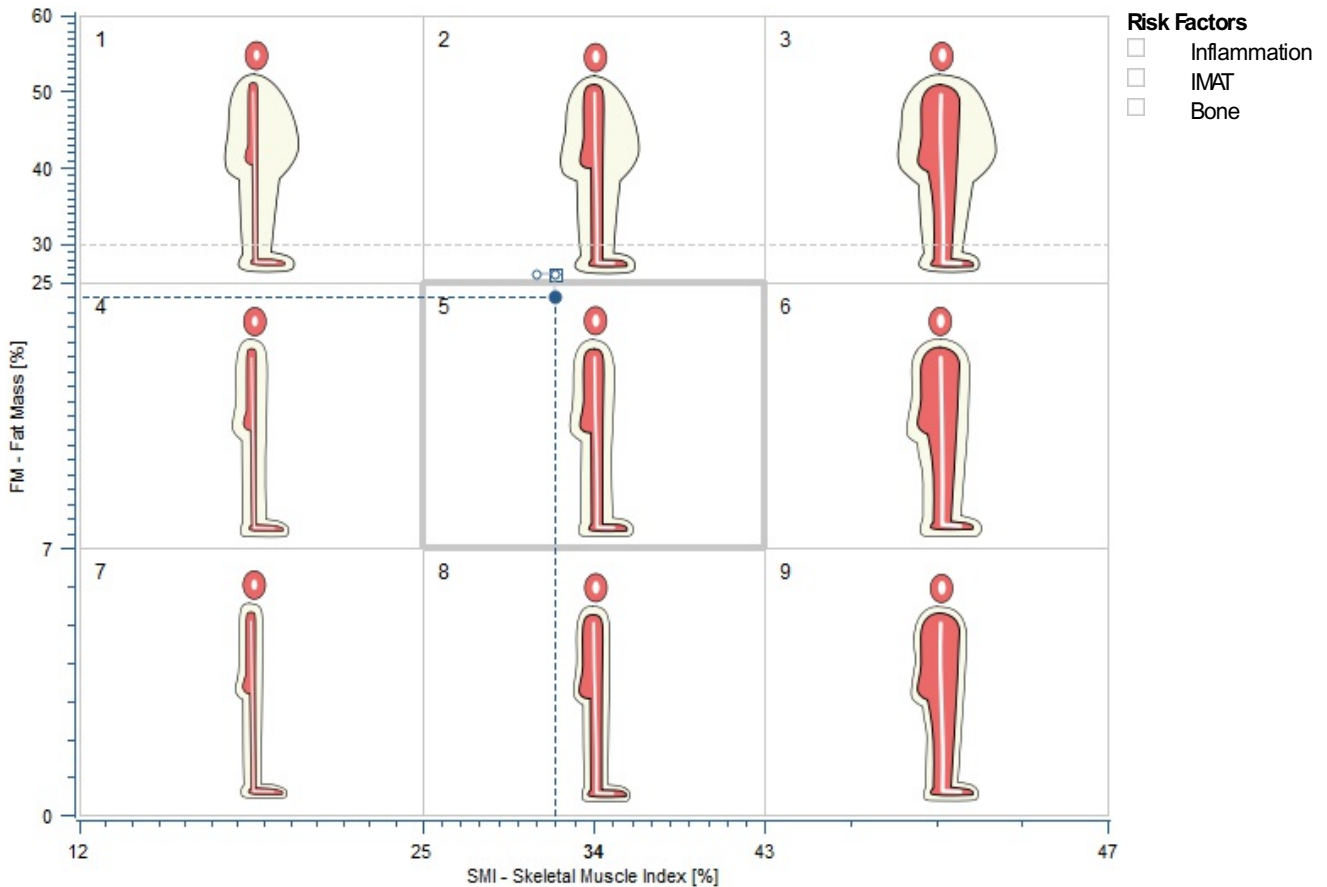
Human body composition analysis

	Norms	
TBW (%) : 57	50-65% BW	[38.9 lt]
ECW (%) : 41	40% TBW	[16.0 lt]
ICW (%) : 59	60% TBW	[22.9 lt]
FFM (%) : 76	min 75%	[51.6 kg]
FM (%) : 24	min 7% - max 25%	[16.4 kg]
ECMatrix (%) : 19	15-20% BW	[12.6 kg]
BMR (kcal/day) : 1484	min 1300 kcal/day	
HPA axis index (PA°) : 5.6	Circadian	normal > 3.5



Skeletal Muscle Index - Fat Mass Analysis

Not an integral part of the BIA-ACC device



Analytical report - not an integral part of the BIA-ACC device -

Soft Tissue Minerals

Stm:	0.52 kg min 0.4 kg
ECK:	64.0 mmol (2.5 g) 1.80% TBK max 2% TBK
TBK:	3552 mmol (139 g) normal 3400 mmol
TBNa:	3624 mmol (83 g) ideal 2810 mmol, normal 65 - 85 g
TBCl:	1776 mmol (63 g) ideal 1918 mmol, normal 58 - 68 g
K/Mg ratio:	4.7 ideal 4.8, normal 4.6 - 5.0
O-PRAL:	22.3 max 28

Bone

Body Density:	1.044 g/cm ³ Normal density normal 1.030 - 1.060 g/cm ³
Bone:	4.4 kg min 3.9 kg, normal 4.7 kg
T-score:	-0.4 Normal values
Bm:	2.37 kg min 2.1 kg, normal 2.5 kg
TBCa:	0.81 kg 1.56% FFM min 1.40% FFM
Bbuffer:	0.031 kg 0.059% FFM min 0.050% FFM
TBMg:	0.019 kg 772.9 mmol normal 0.013 - 0.030 kg
TBP:	0.444 kg 14344.0 mmol normal 0.367 - 0.811 kg

TBW Turnover

TBW:	38.9 lt
Urine:	2.15 lt (min 1.5 lt)
Breathing:	0.93 lt (min 0.7 lt, ideal > 1 lt)
Sweating:	0.19 lt
Transdermal:	0.19 lt
Total exchange:	3.46 lt

Body Weight Target

Current weight:	68.0 kg
Ideal weight:	64.1 kg (min 62.1 kg, max 66.1 kg)
Current / Ideal weight:	1.06 (normal 0.94 - 1.05)
FM:	16.4 kg 24% Health standard
FFM:	51.6 kg

Active Metabolic Mass

Skeletal Muscle:	22.1 kg	42.8% FFM min 35% FFM, norm >40% FFM
wSMI:	32%	Normal min 34%
hSMI:	7.9 kg/m ² min 7.2 kg/m ²	
S-score:	0.7	Normal values
ALST:	19.1 kg	37.1% FFM min 30% FFM
AT:	20.5 kg	30.2% BW max 31% BW
AAT:	258.9 cm ² max 560.0 cm ²	
IMAT:	1.1 kg	1.6% BW max 2% BW, ideal <1.5% BW
Fitness index:	1.34 min 0.54, ideal 1.20	
Gly: Glycogen mass	0.97% FFM (0.499 kg) min 0.8% FFM, ideal 1.0% FFM	
Visceral Organs:	21.0 kg normal 23.0 kg	40.7% FFM min 40% FFM

Proteins

TBprotein:	22.01% FFM (11.35 kg) min 18% FFM, ideal 20% FFM
BCMprotein:	8.79 kg Proteic anions
ECFprotein:	0.18 kg Catabolites
ECMprotein:	2.38 kg min 2kg Collagen
Cr-24h:	1.3 g-24h normal 1.0 - 1.9 g-24h
Cr-serum:	1.2 mg/dl normal 0.7 - 1.2 mg/dl

Cellular Analysis

BCM:	29.5 kg	57.2% FFM
ECM:	22.1 kg	
FM:	16.4 kg	24% BW
BW:	68.0 kg	
ECM / BCM ratio:	0.75	ideal 1.00, normal 0.80 - 1.10
K / ICW ratio:	6.04 g/lt	normal 6.02 - 6.05 g/lt

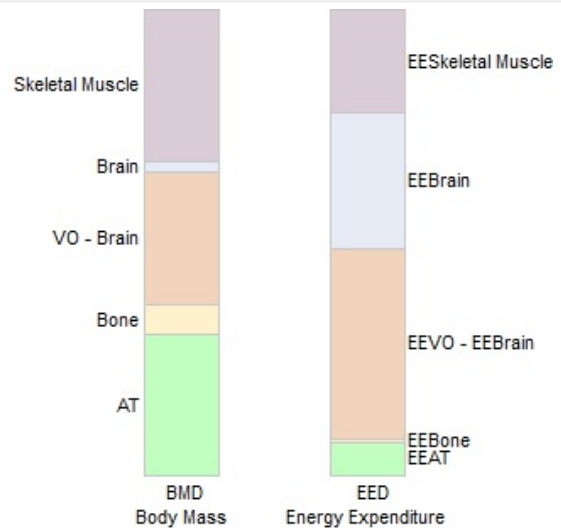
Analytical report - not an integral part of the BIA-ACC device -

Energy regulation

BMR % Distribution		Energy Transfer	
	100% normal	Gly:	0.97% FFM (0.499 kg)
Liver:	100%	Glycogen mass	min 0.8% FFM, ideal 1.0% FFM
Brain:	100%		↑
Heart:	100%	Glu Free:	0.000 kg
Kidney:	100%	Glucose mass	ideal 0 kg
Muscle:	100%		
Bone:	100%	AT up 1 month:	min 0.000 kg
ECMatrix:	100%	AT up 12 month:	min 0.000 kg
		Le:	ND kg ND% FFM normal 2% - 5% FFM

Energy Distribution

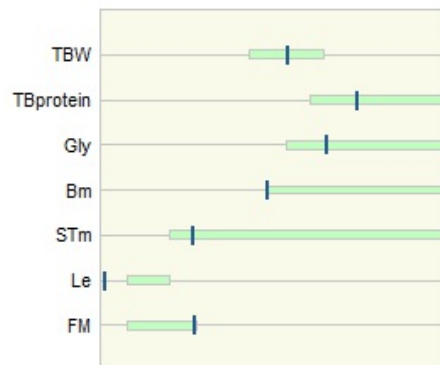
24EE:	1819 kcal/day	typical mean 1928 kcal/day
BMR:	1484 kcal/day	min 1300 kcal/day
24EE - BMR:	335 kcal/day	
EEAT:	92 kcal/day	typical mean 108 kcal/day
EEVO:	903 kcal/day	typical mean 1019 kcal/day
EEBone:	10 kcal/day	min 10 kcal/day
EESkeletal Muscle:	287 kcal/day	min 295 kcal/day
EEBrain:	376 kcal/day	typical mean 482 kcal/day
EES:	394 kcal/day	typical mean 406 kcal/day
dEEMatrix:	31 kcal/day	max 85 kcal/day
TEOF:	-191 kcal/day	typical mean -142 kcal/day
EEspa:	514 kcal/day	typical mean 472 kcal/day



VO₂

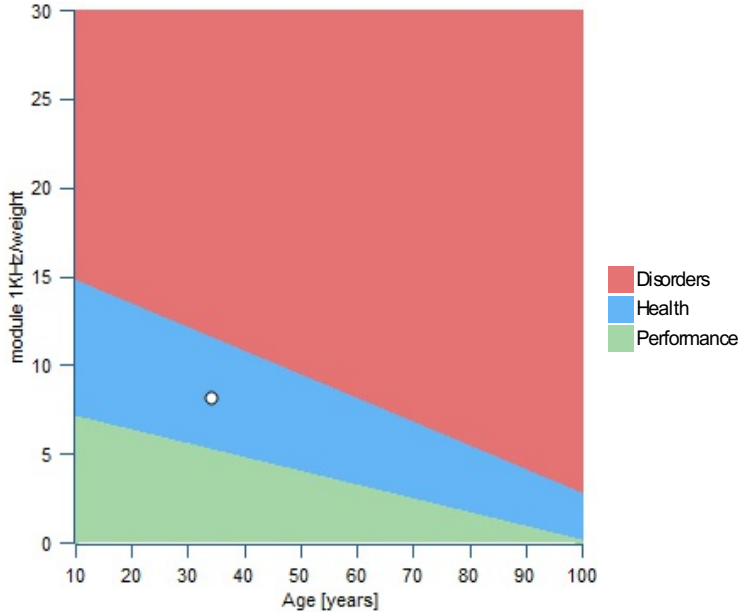
VO₂ - rest:	33.2 ml / (kg x min)	Poor
VO₂ mean max:	ND ml / (kg x min) min 41.0 ml / (kg x min)	ND

Molecular Analysis

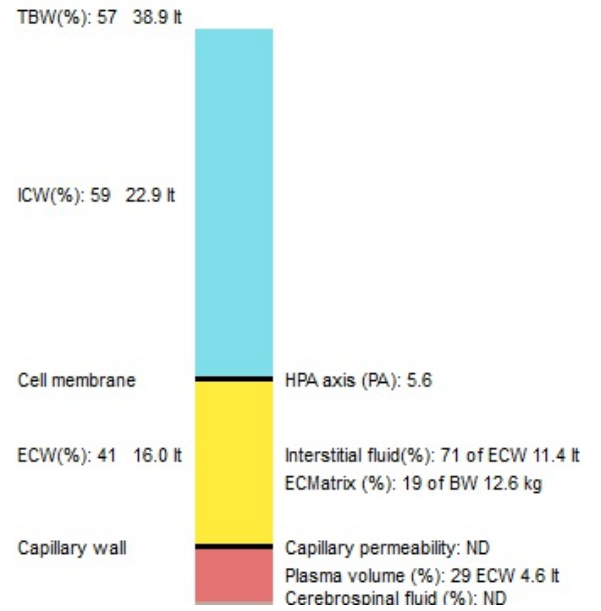


Interstitium

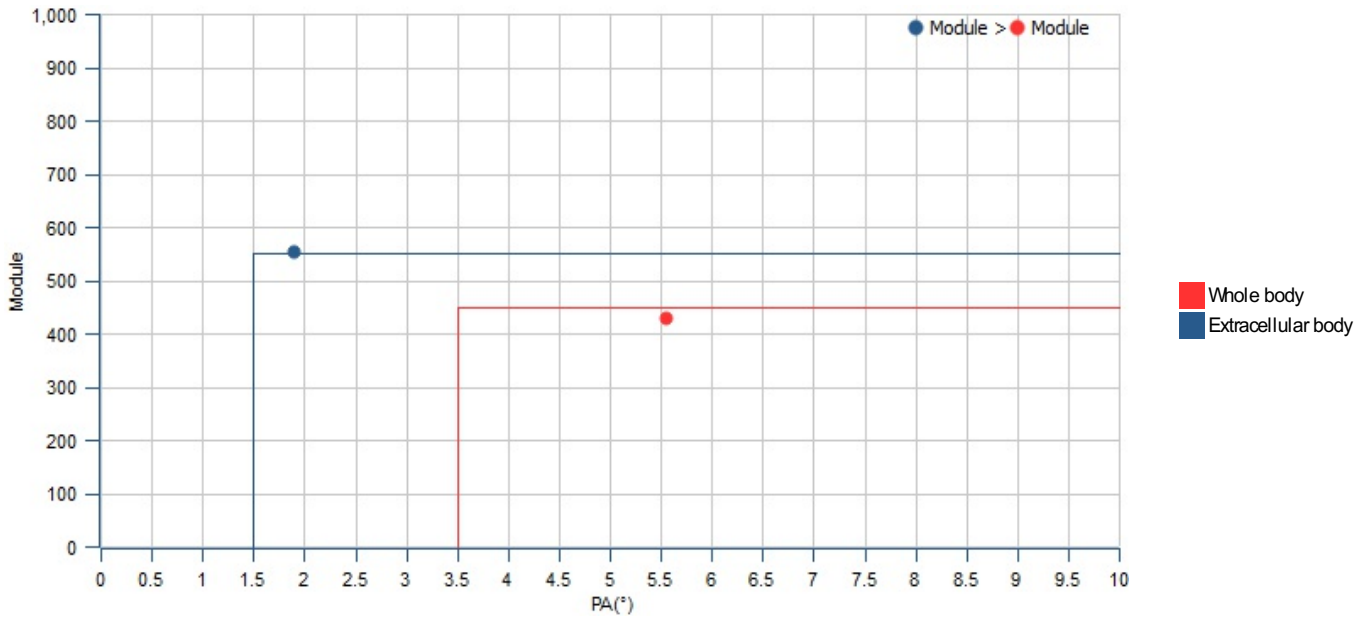
Electrical Characteristics of Extracellular Tissue



Fluid distribution and ECMatrix



Module-PA°



BIA-ACC

26/02/2021 - 15:29

Date	28/09/2016	04/06/2020	23/09/2020	08/01/2021	26/02/2021
Weight [kg]	70.0	68.0	70.6	68.7	68.0
Body Density [g/cm ³]	1.041	1.041	1.041	1.041	1.044
Skeletal Muscle [kg]	22.5	21.3	22.8	22.0	22.1
Skeletal Muscle [% FFM]	43.3	42.3	43.3	43.0	42.8
wSMI [%]	32	31	32	32	32
hSMI [kg/m ²]	8.1	7.7	8.2	7.9	7.9
S-score	0.9	0.5	1.0	0.7	0.7
Bone [kg]	4.4	4.2	4.5	4.3	4.4
T-score	-0.3	-0.5	-0.2	-0.4	-0.4
TBMg [kg]	0.019	0.018	0.019	0.019	0.019
TBP [kg]	0.450	0.428	0.456	0.440	0.444
FM [kg]	18.0	17.5	18.1	17.5	16.4
FM [%]	26	26	26	26	24
AAT [cm ²]	288.2	280.3	290.7	280.2	258.9
IMAT [%]	1.7	1.7	1.7	1.7	1.6
VO _{2,rest}	Poor	Poor	Poor	Poor	Poor
VO _{2,max}	Fair	ND	ND	ND	ND
ECMatrix [kg]	12.8	13.0	12.6	12.8	12.6
ECMatrix [%]	18	19	18	19	19
TBW [lt]	39.3	37.4	39.9	38.3	38.9
TBW [%]	56	55	57	56	57
ECW [lt]	15.9	15.2	16.3	15.4	16.0
ECW [%]	40	41	41	40	41
HPA axis index [PA°]	4.8	5.2	4.9	5.3	5.6
ECK [%]	1.75	1.77	1.79	1.74	1.80

Note: the cumulative values are represented with rounding.