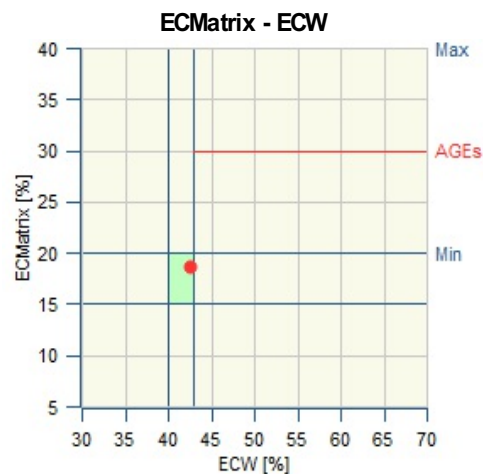


**Dati generali e valori antropometrici**

**Paziente:**  
**Data di nascita:** 13/10/1982  
**Età:** 37  
**Sesso:** M  
**Altezza (cm):** 175      Height  
**Peso (kg):** 78.2      Body Weight - BW  
**BMI (kg/m²):** 25.5      Overweight

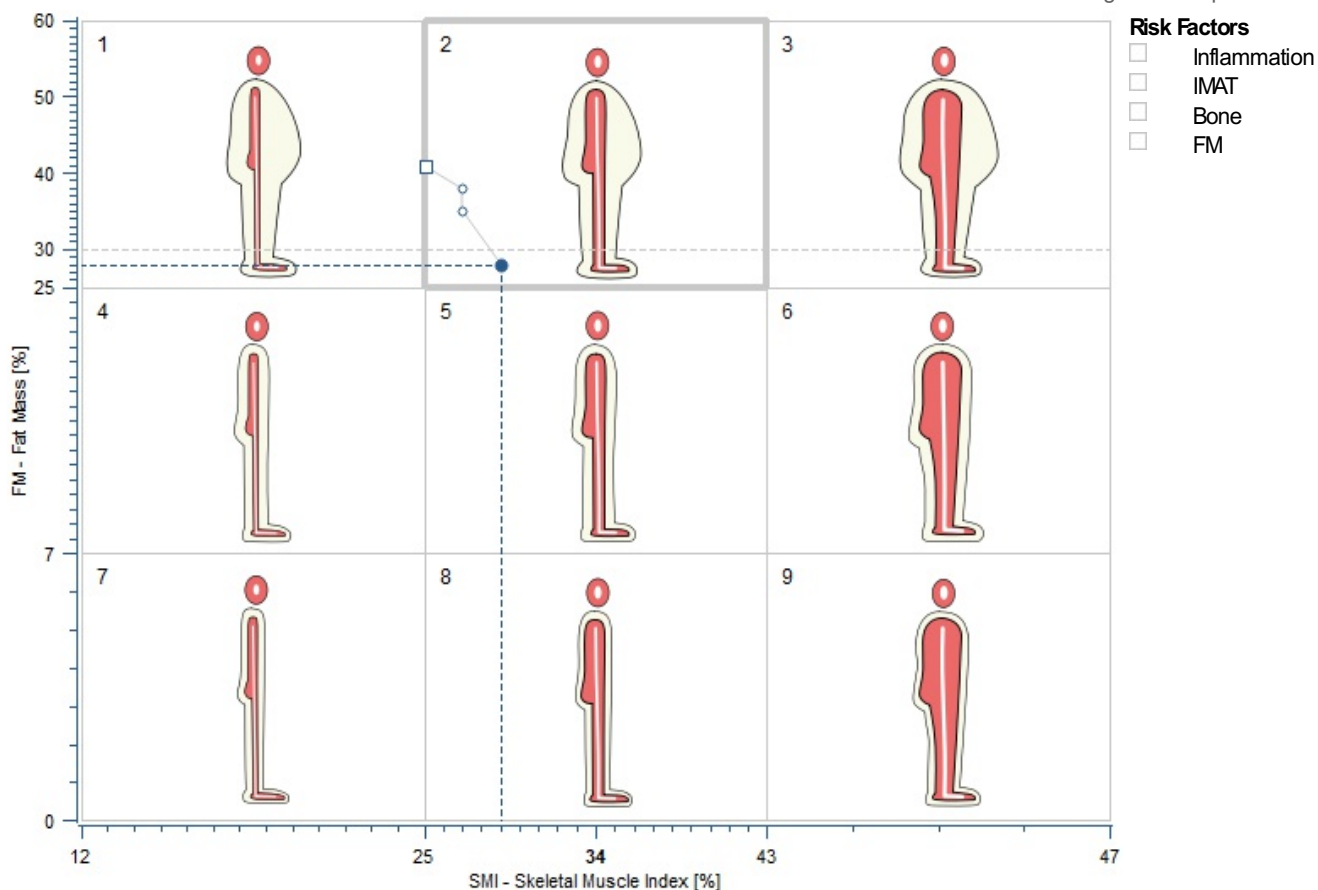
**Analisi della composizione corporea**

	Valore	Norme	Valore
<b>TBW (%)</b>	53	50-65% BW	[41.5 lt]
<b>ECW (%)</b>	43	40% TBW	[17.7 lt]
<b>ICW (%)</b>	57	60% TBW	[23.9 lt]
<b>FFM (%)</b>	72	min 75%	[56.1 kg]
<b>FM (%)</b>	28	min 7% - max 25%	[22.1 kg]
<b>ECMatrix (%)</b>	19	15-20% BW	[14.5 kg]
<b>BMR (kcal/day)</b>	1581	min 1300 kcal/day	
<b>HPA axis index (PA°)</b>	3.2	Flat High	normal > 3.5



**Skeletal Muscle Index - Fat Mass Analysis**

Parte non integrante il dispositivo BIA-ACC



BIA-ACC

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**Report analitico - non integrante il dispositivo BIA-ACC -**

**Soft Tissue Minerals**

<b>Stm:</b>	0.55 kg min 0.4 kg
<b>ECK:</b>	70.7 mmol (2.8 g) 1.91% TBK max 2% TBK
<b>TBK:</b>	3698 mmol (144 g) normal 3910 mmol
<b>TBNa:</b>	3950 mmol (91 g) ideale 3075 mmol, normal 71 - 91 g
<b>TBCL:</b>	1961 mmol (70 g) ideale 2112 mmol, normal 65 - 75 g
<b>K/Mg ratio:</b>	4.7 ideale 4.8, normal 4.6 - 5.0
<b>O-PRAL:</b>	28.6 max 28

**Bone**

<b>Body Density:</b>	1.035 g/cm <sup>3</sup> Normal density normal 1.030 - 1.060 g/cm <sup>3</sup>
<b>Bone:</b>	4.6 kg min 3.9 kg, normal 4.7 kg
<b>T-score:</b>	-0.1 Valori nella norma
<b>Bm:</b>	2.51 kg min 2.1 kg, normal 2.5 kg
<b>TBCa:</b>	0.85 kg 1.52% FFM min 1.40% FFM
<b>Bbuffer:</b>	0.032 kg 0.058% FFM min 0.050% FFM
<b>TBMg:</b>	0.020 kg 812.3 mmol normal 0.013 - 0.030 kg
<b>TBP:</b>	0.469 kg 15143.3 mmol normal 0.367 - 0.811 kg

**T BW Turnover**

<b>TBW:</b>	41.5 lt
<b>Urine:</b>	2.29 lt (min 1.5 lt)
<b>Respirazione:</b>	1.00 lt (min 0.7 lt, ideale > 1 lt)
<b>Sudorazione:</b>	0.20 lt
<b>Transdermico:</b>	0.20 lt
<b>Scambio totale:</b>	3.69 lt

**Body Weight Target**

<b>Current weight:</b>	78.2 kg
<b>Ideal weight:</b>	72.4 kg (min 70.1 kg, max 74.8 kg)
<b>Current / Ideal weight:</b>	1.08 (normal 0.94 - 1.05)
<b>FM:</b>	22.1 kg 28% Overweight
<b>FFM:</b>	56.1 kg

**Active Metabolic Mass**

<b>Skeletal Muscle:</b>	23.0 kg	41.1% FFM min 35% FFM, norm > 40% FFM
<b>wSMI:</b>	29%	Normal min 34%
<b>hSMI:</b>	7.5 kg/m <sup>2</sup> min 7.2 kg/m <sup>2</sup>	
<b>S-score:</b>	0.3	Valori nella norma
<b>ALST:</b>	20.0 kg	35.7% FFM min 30% FFM
<b>AT:</b>	27.7 kg	35.4% BW max 31% BW
<b>AAT:</b>	367.9 cm <sup>2</sup> max 560.0 cm <sup>2</sup>	
<b>IMAT:</b>	1.5 kg	1.9% BW max 2% BW, ideale < 1.5% BW
<b>Fitness index:</b>	1.04 min 0.54, ideale 1.20	
<b>Gly:</b> Glycogen mass	0.93% FFM (0.519 kg) min 0.8% FFM, ideale 1.0% FFM	
<b>Visceral Organs:</b>	22.8 kg normal 23.0 kg	40.8% FFM min 40% FFM

**Proteins**

<b>TBprotein:</b>	21.06% FFM (11.80 kg) min 18% FFM, ideale 20% FFM
<b>BCMprotein:</b>	9.15 kg Proteic anions
<b>ECFprotein:</b>	0.20 kg Catabolites
<b>ECMprotein:</b>	2.46 kg min 2kg Collagen
<b>Cr-24h:</b>	1.5 g-24h normal 1.0 - 1.9 g-24h
<b>Cr-serum:</b>	1.3 mg/dl normal 0.7 - 1.2 mg/dl

**Cellular Analysis**

<b>BCM:</b>	30.7 kg	54.8% FFM
<b>ECM:</b>	25.3 kg	
<b>FM:</b>	22.1 kg	28% BW
<b>BW:</b>	78.2 kg	
<b>ECM / BCM ratio:</b>	0.82	ideale 1.00, normal 0.80 - 1.10
<b>K / ICW ratio:</b>	6.04 g/lt	normal 6.02 - 6.05 g/lt

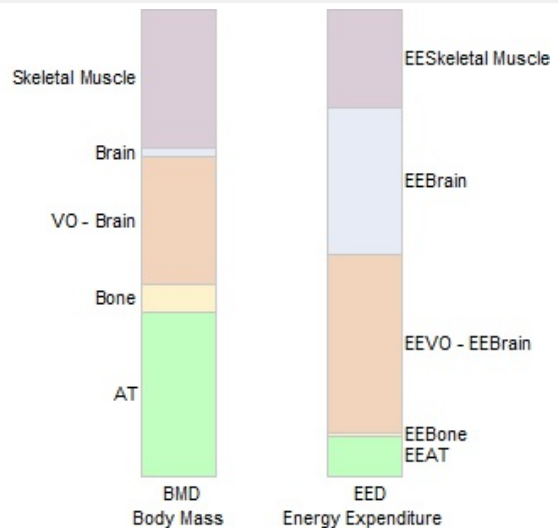
**Report analitico - non integrante il dispositivo BIA-ACC -**

**Energy regulation**

BMR % Distribution		Energy Transfer	
	100% normal	<b>Gly:</b>	0.93% FFM (0.519 kg)
<b>Fegato:</b>	100%	Glycogen mass	min 0.8% FFM, ideal 1.0% FFM
<b>Cervello:</b>	100%		↑
<b>Cuore:</b>	100%	<b>Glu Free:</b>	0.000 kg
<b>Rene:</b>	100%	Glucose mass	ideal 0 kg
<b>Muscolo:</b>	100%		
<b>Ossso:</b>	100%	<b>AT up 1 month:</b>	min 0.000 kg
<b>ECMatrix:</b>	100%	<b>AT up 12 month:</b>	min 0.000 kg
		<b>Le:</b>	ND kg      ND% FFM normal 2% - 5% FFM

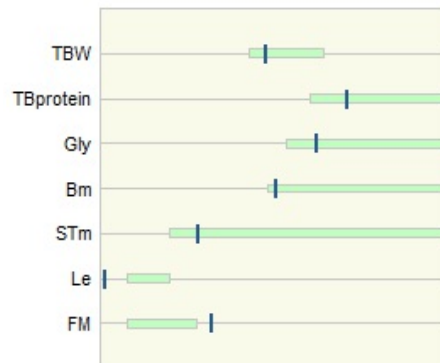
**Energy Distribution**

<b>24EE:</b>	1936 kcal/day	typical mean 1928 kcal/day
<b>BMR:</b>	1581 kcal/day	min 1300 kcal/day
<b>24EE - BMR:</b>	355 kcal/day	
<b>EEAT:</b>	125 kcal/day	typical mean 108 kcal/day
<b>EEVO:</b>	982 kcal/day	typical mean 1019 kcal/day
<b>EEBone:</b>	11 kcal/day	min 10 kcal/day
<b>EESkeletal Muscle:</b>	299 kcal/day	min 295 kcal/day
<b>EEBrain:</b>	443 kcal/day	typical mean 482 kcal/day
<b>EEIS:</b>	411 kcal/day	typical mean 406 kcal/day
<b>dEEMatrix:</b>	36 kcal/day	max 85 kcal/day
<b>TEOF:</b>	-164 kcal/day	typical mean -142 kcal/day
<b>EEspa:</b>	489 kcal/day	typical mean 472 kcal/day



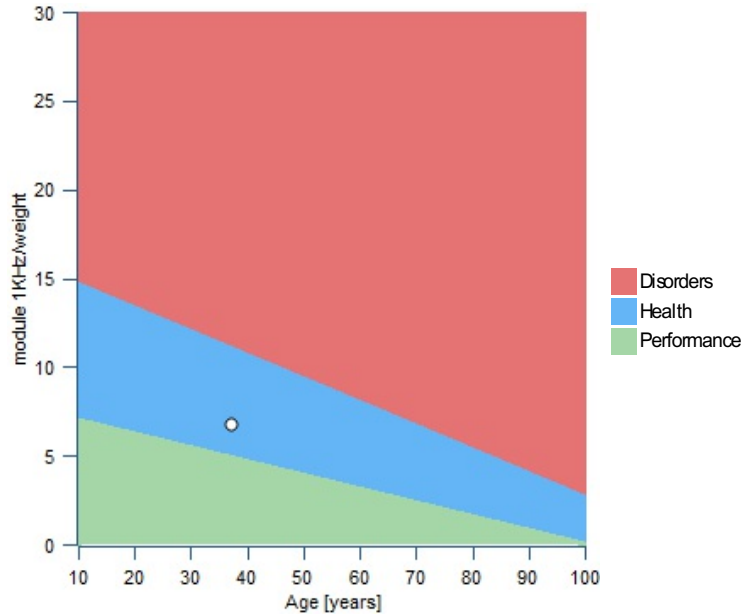
VO <sub>2</sub>		
<b>VO<sub>2</sub> - rest:</b>	30.1 ml / (kg x min)	Very poor
<b>VO<sub>2</sub> mean max:</b>	ND ml / (kg x min) min 41.0 ml / (kg x min)	ND

**Molecular Analysis**

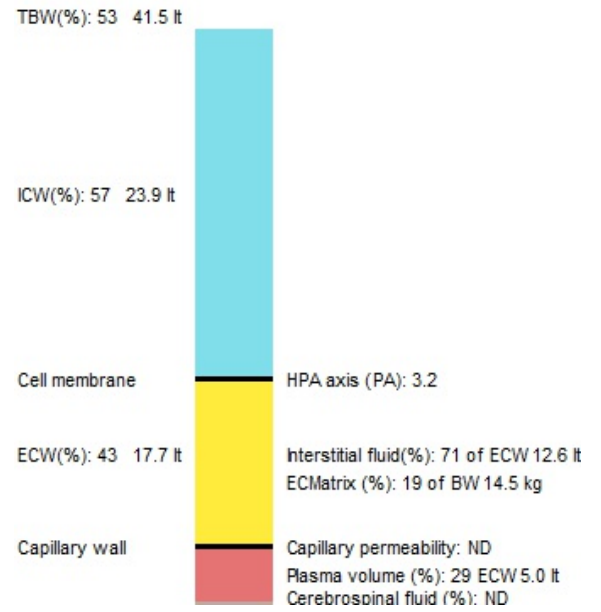


### Interstitial

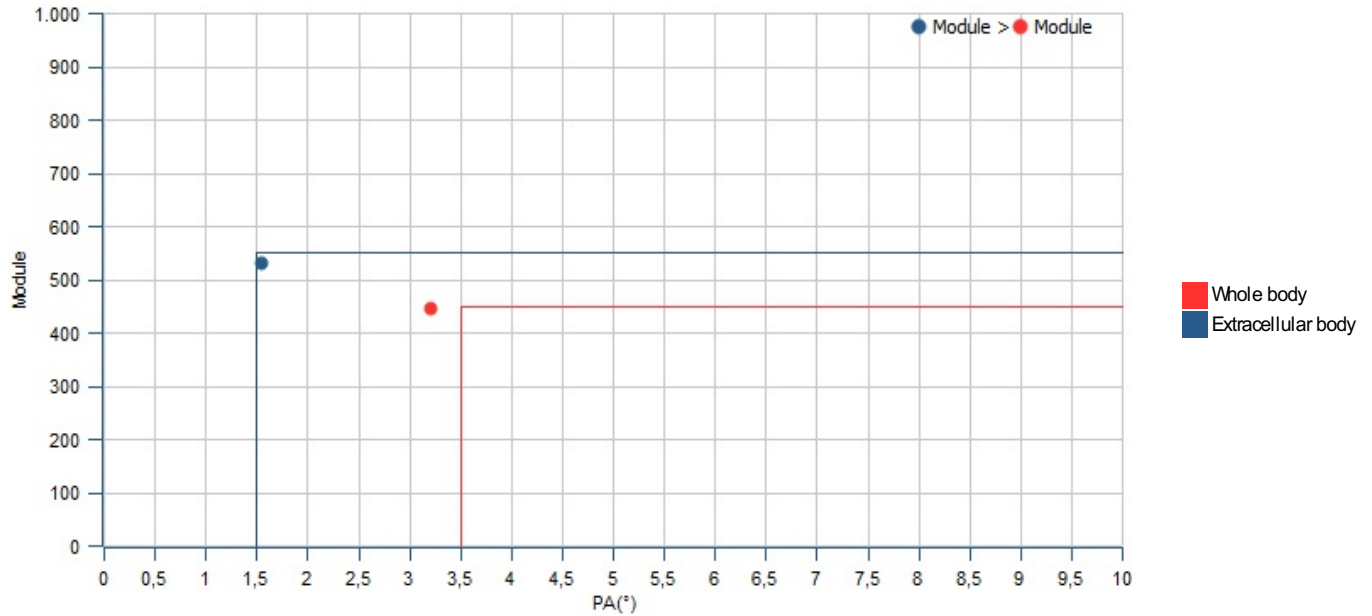
#### Electrical Characteristics of Extracellular Tissue



#### Fluid distribution and ECMatrix



#### Module-PA°



BIA-ACC

01/06/2020 - 14:37

Date	25/11/2019 □	23/12/2019	27/01/2020	01/06/2020 ●
Weight [kg]	101.0	93.0	88.4	78.2
Body Density [g/cm <sup>3</sup> ]	1.008	1.016	1.021	1.035
Skeletal Muscle [kg]	25.7	24.8	24.1	23.0
Skeletal Muscle [% FFM]	43.4	42.8	42.0	41.1
wSMI [%]	25	27	27	29
hSMI [kg/m <sup>2</sup> ]	8.4	8.1	7.9	7.5
S-score	1.2	0.9	0.7	0.3
Bone [kg]	4.9	4.8	4.8	4.6
T-score	0.3	0.2	0.1	-0.1
TBMg [kg]	0.021	0.021	0.020	0.020
TBP [kg]	0.502	0.491	0.482	0.469
FM [kg]	41.8	34.9	31.1	22.1
FM [%]	41	38	35	28
AAT [cm <sup>2</sup> ]	744.1	612.4	538.4	367.9
IMAT [%]	2.6	2.4	2.3	1.9
VO <sub>2rest</sub>	Very poor	Very poor	Very poor	Very poor
VO <sub>2max</sub>	ND	ND	ND	ND
ECMatrix [kg]	15.8	15.4	15.2	14.5
ECMatrix [%]	16	17	17	19
TBW [lt]	43.3	42.7	42.2	41.5
TBW [%]	43	46	48	53
ECW [lt]	16.8	17.0	17.3	17.7
ECW [%]	39	40	41	43
HPA axis index [PA°]	3.2	3.5	3.2	3.2
ECK [%]	1.64	1.71	1.79	1.91

Nota: i valori cumulativi sono rappresentati con arrotondamento.