



MEDICALSOFT

INNOVATIVE DIAGNOSTICS

About us

The MEDICALSOFT Company is a manufacturer of a range of innovative equipment based on cutting-edge diagnostic technology and complex program cross-analysis of the data received:

- ▶ Bioimpedance analysis
- ▶ Galvanic skin response
- ▶ Heart rate variability
- ▶ Digital pulse wave analysis.

By using the achievements of science and technology in the field of diagnostics, in combination with our own innovative technology, our team of high-end professionals has identified efficient approaches to developing, manufacturing and selling top quality equipment that meets the challenges of both today and the foreseeable future.

All our devices are rather compact and mobile, which allows to use them in various conditions and situations, as well as ensures maximum comfort for patients during the examination.

Our equipment is used in health clinics, SPA resorts, and fitness centers in Russia and worldwide.





MS FIT Portable

Innovative
Fitness Testing
Technology

What is MS FIT Portable

A portable version of our touch screen kiosk for **integrated assessment** of a person's **fitness indicators** with the opportunity to develop detailed recommendations for an **individual fitness program**



Recommendations for:

- ▶ Type of training
- ▶ Training intensity
- ▶ Diet
- ▶ Wellness and SPA procedures
- ▶ Dynamics control



Advantages of **MS FIT** Portable

✓ **Fast**

Measurements take only 60 sec

✓ **Accurate**

Accuracy proven by extensive testing

✓ **Mobile**

Light, compact and easily transportable device

✓ **Easy to use**

Intuitive and user-friendly interface

✓ **Universal**

Great solution both for professional and personal use

Who can benefit from **MS FIT** Portable



Fitness clubs

Wellness and SPA centers

Sports teams

Professional athletes

Fitness enthusiasts

Operation Algorithm

Fitness testing

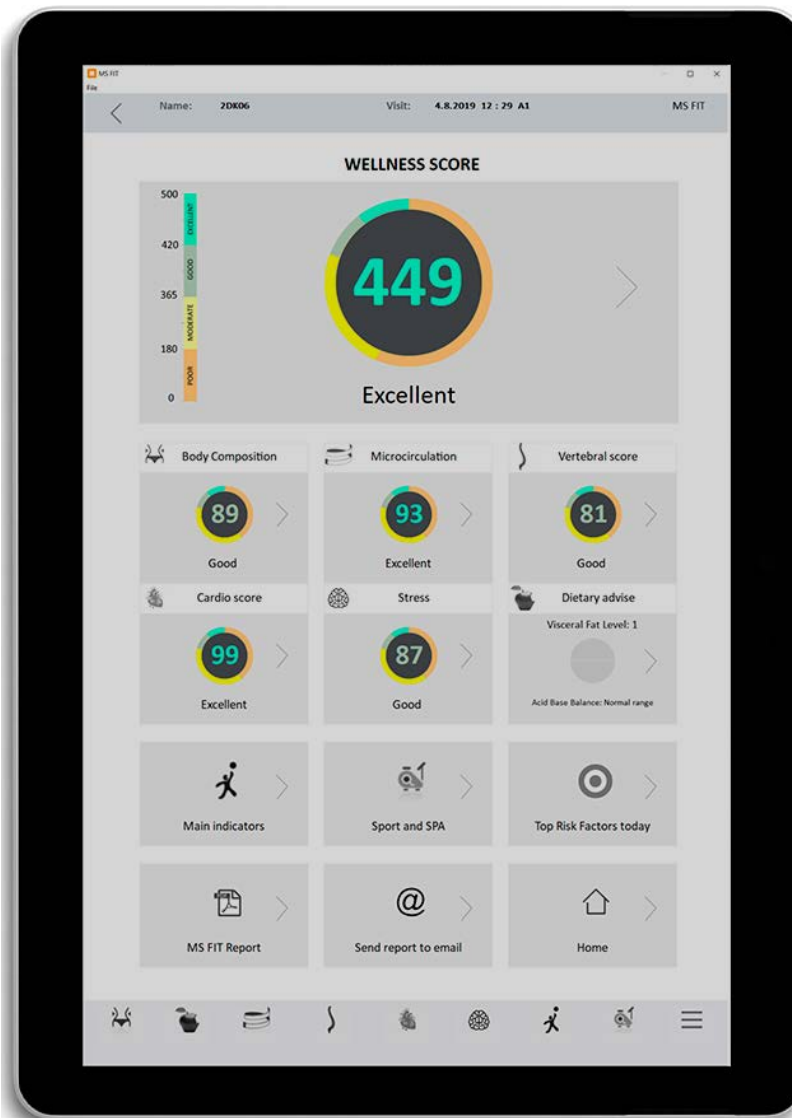
Consultation with a personal trainer

Individual fitness program

Recommendations

Follow-up

RESULTS



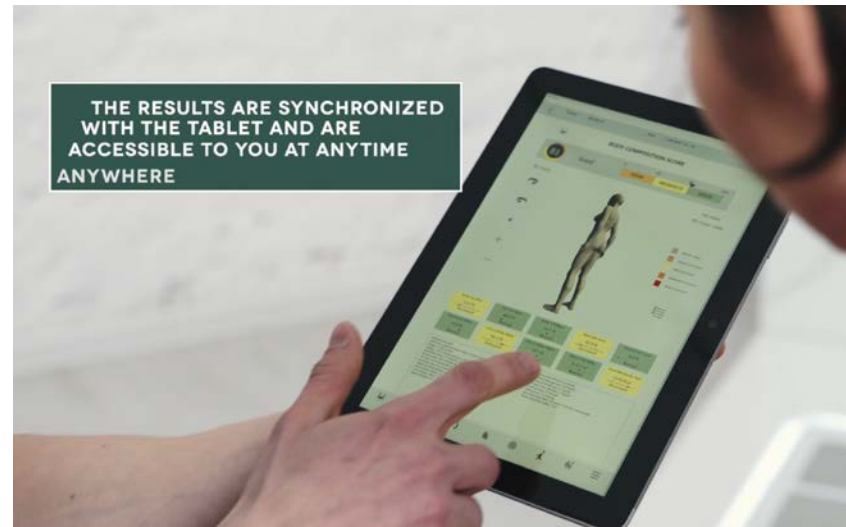
Configuration

MS FIT Portable includes:

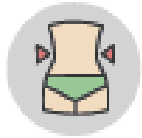
- ▶ USB connectable box
- ▶ Digital USB connectable pulse oximeter
- ▶ Tetrapolar stainless steel hands platform with built-in sensors to determine heart rate, galvanic skin response and bioimpedance
- ▶ Tetrapolar stainless steel feet platform with built-in sensors to determine galvanic skin response and bioimpedance
- ▶ 4 lead cables for the hands
- ▶ 4 lead cables for the feet USB cable
- ▶ MS FIT Software x 2 licenses
- ▶ Transport bag

Additional requirements:

Microsoft tablet or personal computer (vertical screen required)



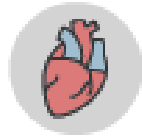
Functions of MS FIT Portable



Segmental Body Composition Assessment



Microcirculation Assessment



Cardio Assessment



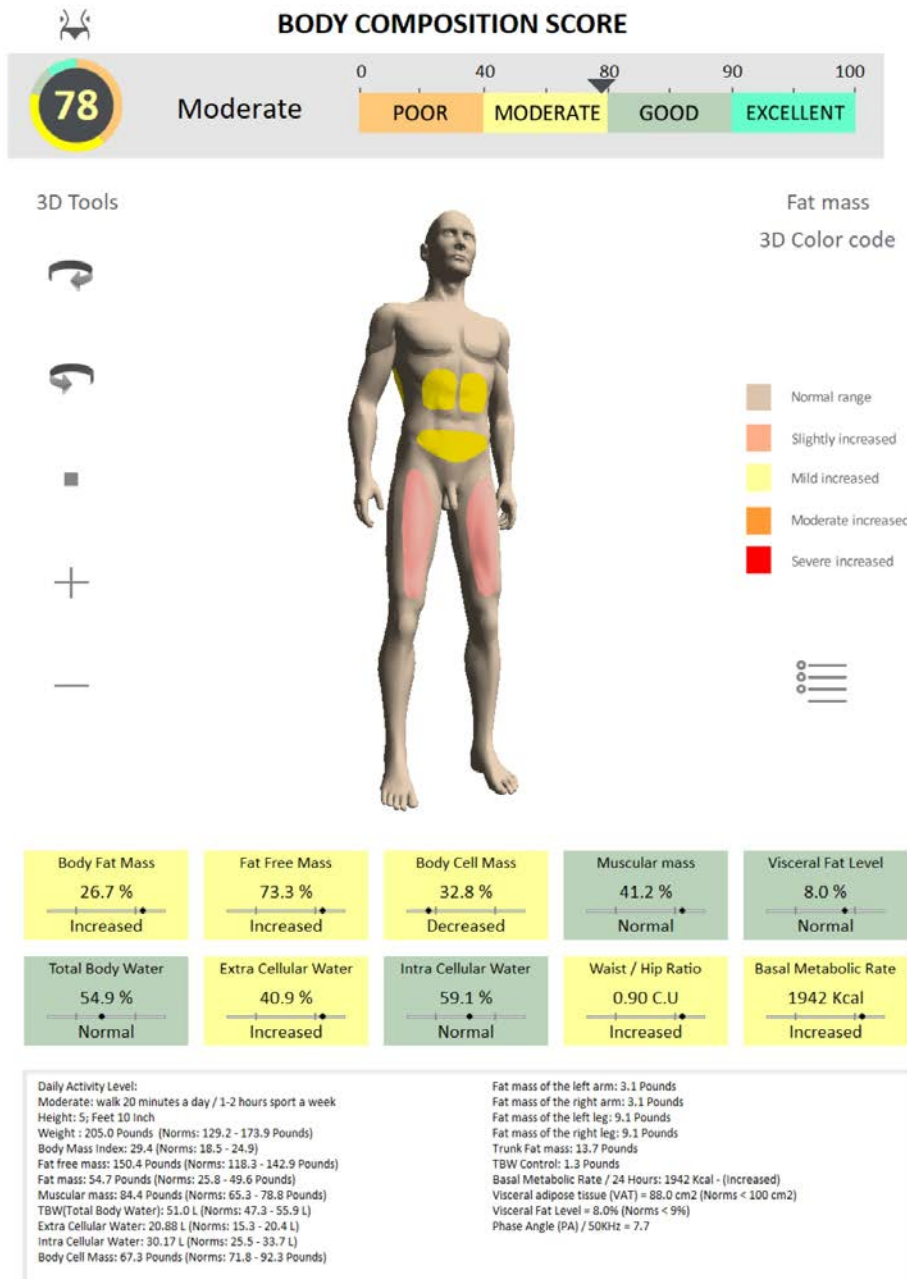
Stress and Fatigue Assessment



Vertebral Load Assessment



Comprehensive Wellness Score Assessment



Segmental Body Composition Assessment

- ▶ Fat Mass
- ▶ Fat Free Mass
- ▶ Muscular Mass
- ▶ Body Cell Mass
- ▶ TBW (Total Body Water)
- ▶ Intra Cellular Water
- ▶ Extra Cellular Water
- ▶ Visceral Fat
- ▶ Basal Metabolic Rate



MICROCIRCULATION SCORE



3D Tools

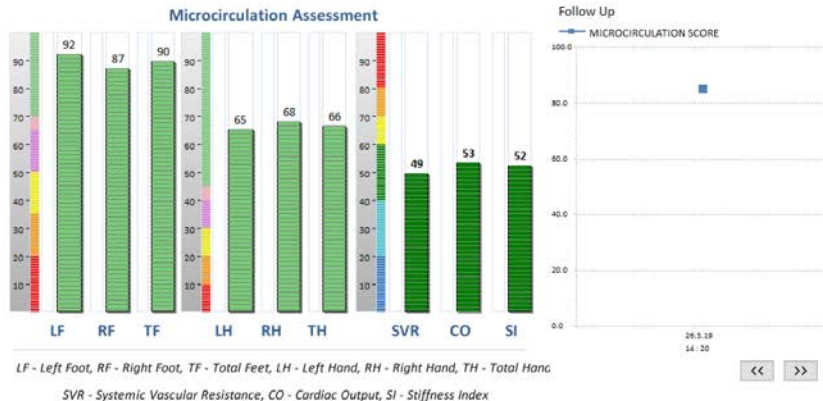


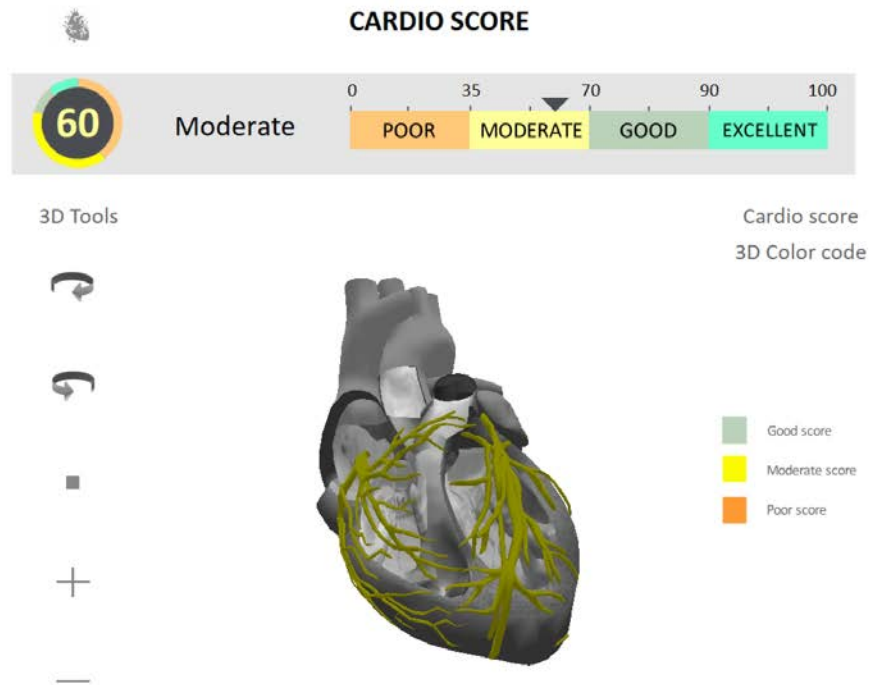
Microcirculation
3D Color code



Microcirculation Assessment

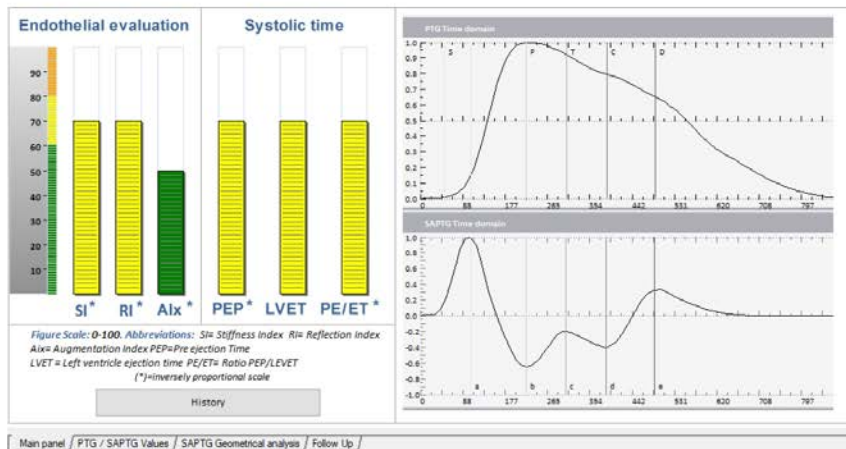
- ▶ Microcirculation Markers in Upper and Lower Limbs
- ▶ Arterial Stiffness Index
- ▶ Dynamic Monitoring of Cardio Training

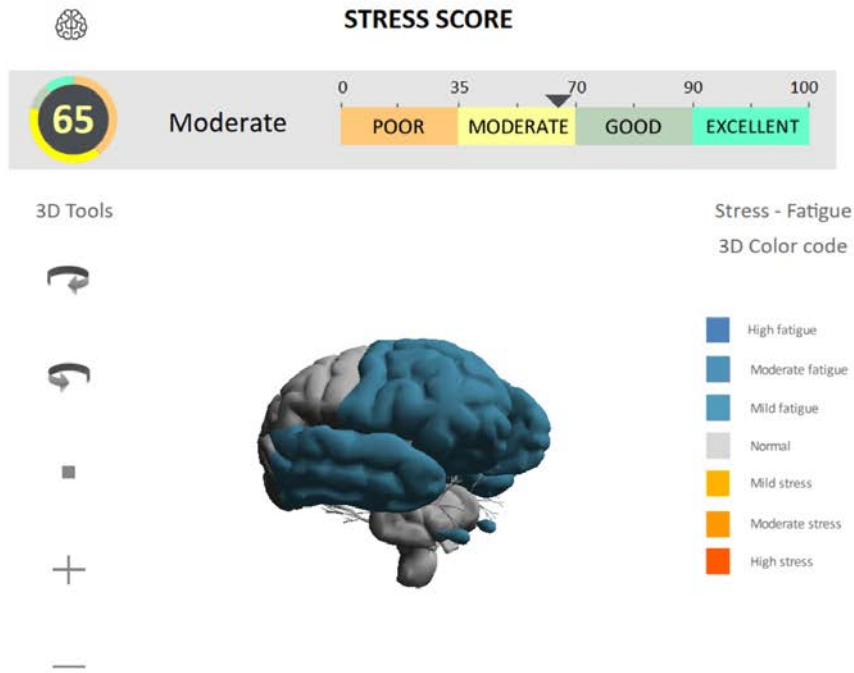




Cardio Assessment

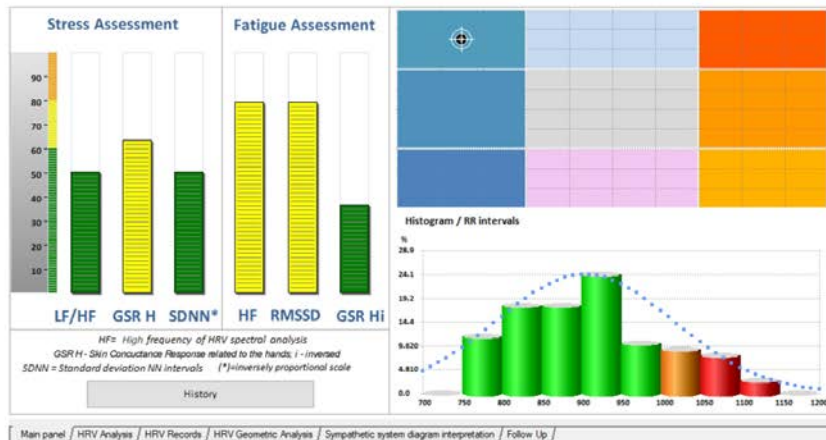
- ▶ Determination of Biological Age
- ▶ Assessment of Central and Peripheral Hemodynamic Indicators

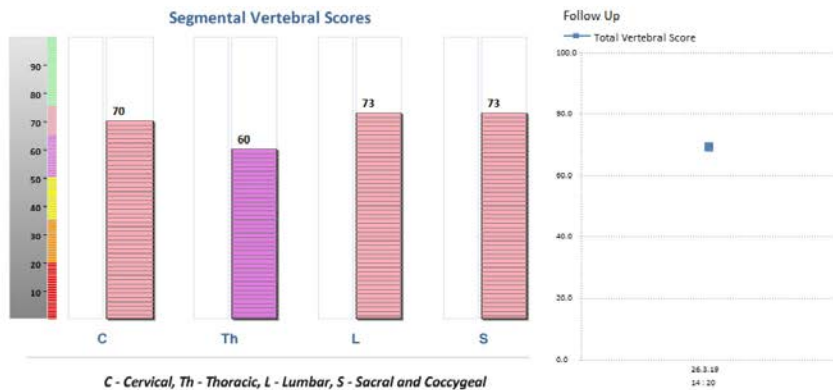
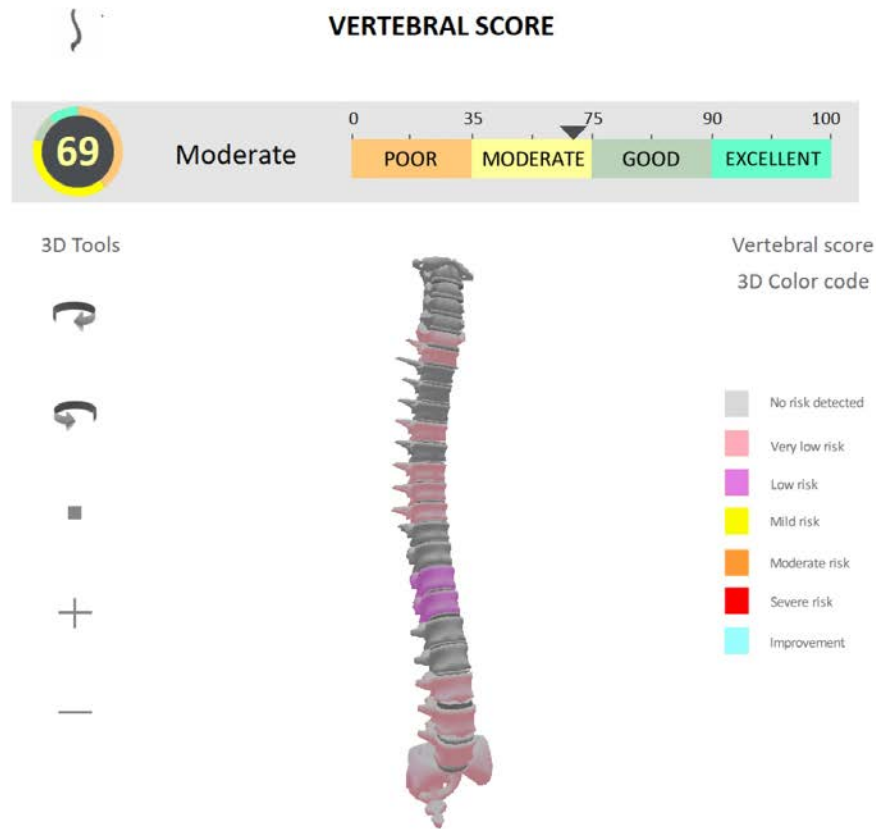




Stress and Fatigue Assessment

- ▶ Stress Level
- ▶ Fatigue Level
- ▶ Assessment and Prevention of Overtraining





Vertebral Assessment

- Assessment score of the neuromuscular conductivity level for various segments of the spinal column



MAIN INDICATORS

Comprehensive Wellness Score Assessment

- ▶ Integral Wellness Score
- ▶ Endurance
- ▶ Efficiency
- ▶ Physical Performance

Physiological Indicators

Body composition	
FM 1-25.5 %	22.9
Visceral Fat Level 1-9.0 %	14.0
Muscular mass 1-24.8 %	45.4
Score: 8	

Fluid balance	
TBW 55.1-68.3 %	57.4
ECW 28.8-48.8 %	43.6
ICW 26.8-56.8 %	56.4
Score: 8	

Microcirculation	
CI 1-2.8 L/min/m ²	2.5
GSR H Total 1-45.0 ml/min	65.0
GSR F Total 1-70.0 ml/min	68.0
Score: 7	

Stress	
SDNN 1-93.0 ms	92
LF / HF 1-2.0 %	0.1
GSR H Total 1-45.0 ml/min	65.0
Score: 8	

Fatigue	
RMSSD 25.8-50.8 ms	135.1
HF 22.8-48.8 %	62.0
GSR H Total I 1-45.0 ml/min	35.0
Score: 5	

Performance	
Level Activity 1-2 L/min	3
SI (Stress) 1-200.0 L/min	38
Total power 1-700 W	1863
Score: 10	

Blood pressure	
Systolic P 1-130 mmHg	120
Diastolic P 1-80 mmHg	80
Pulse P 1-70 b/min	40
Score: 10	

Arterial Stiffness	
SI 1-8 %	10.6
RI 1-83 %	25
-d/d4 0.33-0.48 mmHg	0.49
Score: 6	

Recovery	
SpO2% 95.0-100.0 %	96
Estimated DO2 1-1000 ml/min/m ²	1188
Estimated VO2 1-200 ml/min/m ²	310
Score: 10	

Vertebral score	
C 1-75.0 %	70
Th 1-75.0 %	60
L+S 1-75.0 %	70
Score: 6	

Recommendations based on Results

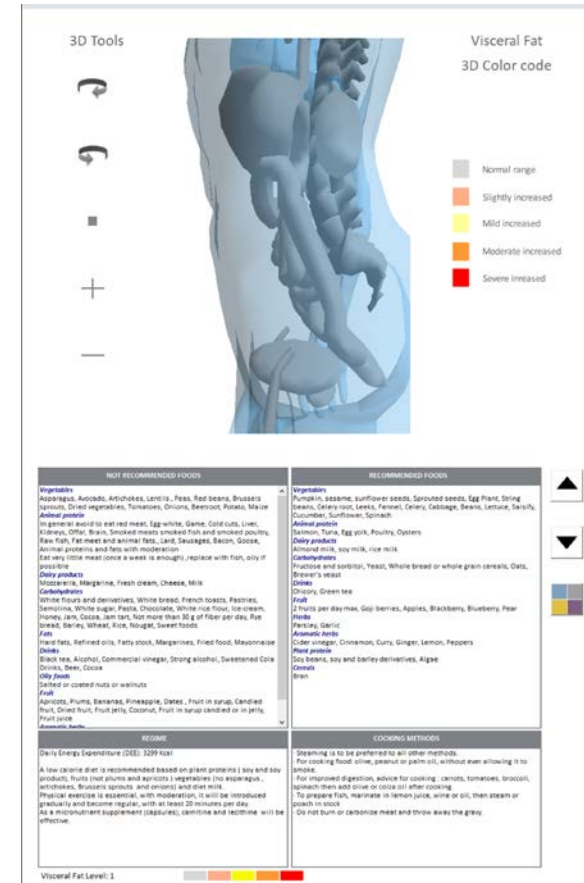
► SPA procedures

► Sports training

► Diet and supplements




Assistance to the therapeutic decision. V = Suggested, Orange X = Warning, Red X = Contraindication									
Indicators	Under	Normal	Over	Values	Norms	Units	Message	Sauna	Pressure L...
Age				25	-				
BIA Indicators									
Body Mass Index				27.5	18.5 - 24.9	C.U	✓	✓	
Fat free mass				72.4	61.6 - 74.6	%	✓	✓	
Fat mass				27.6	10.8 - 21.8	%	✓	✓	
Total Body Water				32.5	32.0 - 62.2	%	✓	✓	✓
Extra Cellular Water				17.7	30.0 - 40.0	%	✓	✓	
Intra Cellular Water				62.3	50.0 - 66.0	%	✓	✓	
Muscular mass				17.0	34.0 - 41.2	%	✓	✓	
Psychology									
Indicators of asthma									
HRV LF (Low frequency)				39.06	22.00 - 46.00	%	✓	✓	
HRV HF (High frequency)				24.06	22.00 - 34.00	%	✓	✓	
Stress									
HR Heart Rate				79	60 - 90	bpm	✓	✓	
SI (Stress Index)				211.40	50.00 - 300.00	C.U	✓	✓	✓
HRV LF (Low frequency)				39.06	22.00 - 46.00	%	✓	✓	
HRV HF (High frequency)				24.06	22.00 - 34.00	%	✓	✓	
Q (Cardiac Output)				7.6	6.2 - 7.5	L/min	X	X	
Blood Pressure Indicators									
Systolic pressure				120.0	110.0 - 140.0	mmHg	✓	✓	✓
Diastolic pressure				80.0	75.0 - 90.0	mmHg	✓	✓	✓
MAP (Mean Arterial Pressure)				93	65 - 100	mmHg	✓	✓	✓
Hemodynamic indicators									
SVB				988.3	900.0 - 1300.0	dyn-s/cm5	✓	✓	✓
SV (Stroke Volume)				96.4	60.0 - 100.0	ml	✓	✓	
Q (Cardiac Output)				7.6	6.2 - 7.5	L/min	✓	✓	
RV (Blood Volume)				6.41	5.72 - 6.32	L	✓	✓	
Arterial stiffness									
SI (Stiffness Index)				6.7	7.0 - 9.0	m/s	✓	✓	
O2 Indicators									
SpO2%				96.50	95.00 - 100.00	%	✓	✓	✓
DO2 (Delivery oxygen)				1275.1	800.0 - 1200.0	ml/min-m2	✓	✓	✓
VO2				300.0	200.0 - 300.0	ml/min-m2	✓	✓	✓
Stress / Fatigue Assessment									
HR Heart Rate				79	60 - 90	bpm	✓	✓	
Sympathetic system									
Standard Deviation (SDNN)				40.6	40.0 - 80.0	ms	✓	✓	
LF / HF				1.8	0.5 - 2.0	C.U	✓	✓	
Parasympathetic system									
HRV HF (High frequency)				24.06	22.00 - 34.00	%	✓	✓	

Assistance to the therapeutic decision. V = Suggested, Orange X = Warning, Red X = Contraindication									
Indicators	Un	Nor	Or	Valu	Norms	Un	Card...	Card...	Low training
Age				25	-				
BIA Indicators									
Body Mass Index				27.5	18.5 - 24.9	C.U	✓	X	✓
Fat free mass				72.4	61.6 - 74.6	%	✓	✓	✓
Fat mass				27.6	10.8 - 21.8	%	✓	✓	✓
Total Body Water				32.5	32.0 - 62.2	%	✓	✓	✓
Extra Cellular Water				17.7	30.0 - 40.0	%	✓	✓	✓
Intra Cellular Water				62.3	50.0 - 66.0	%	✓	✓	✓
Muscular mass				17.0	34.0 - 41.2	%	✓	✓	✓
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Systolic pressure				120.0	110.0 - 140.0	mmHg	✓	✓	✓
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Standard Deviation (SDNN)				40.6	40.0 - 80.0	ms	✓	✓	✓
LF / HF				1.8	0.5 - 2.0	C.U	✓	✓	✓
Parasympathetic system									
HRV HF (High frequency)				24.06	22.00 - 34.00	%	✓	✓	✓






Top Risk Factors & Recommendations


TOP RISK FACTORS TODAY


✓		Body composition	Moderate
✓		Fluid balance	Moderate
✓		Fatigue	Moderate

RECOMMENDATIONS

**Dietary advise**
Visceral Fat Level: 2

Acid Base Balance: Acidosis

Sport

Sport trainings

Wellness

SPA procedures

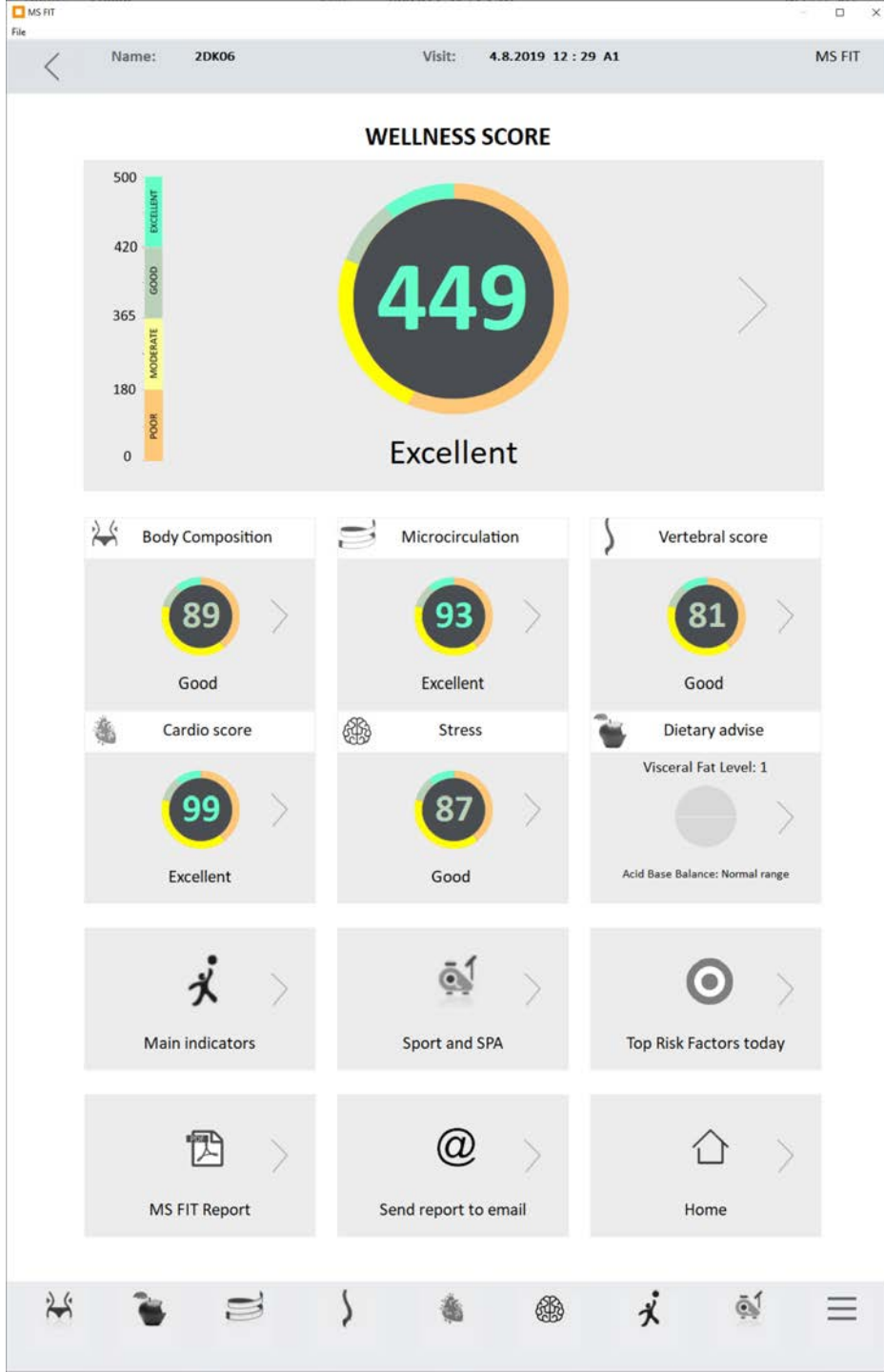
Full Report

Get detailed information

- ▶ At the end of the test, the client can see the summary of the top risk factors based on his/her current state
- ▶ A detailed report is automatically sent to the client's e-mail address

Wellness score

After the very first test the clients

- ▶ **have a clearer picture** of their current wellness,
- ▶ **know about possible reasons** for certain health issues,
- ▶ **understand in which direction to go** in order to achieve their goals



YOUR BENEFITS

Increase in
the personal
workouts
number

Monitoring of
physiological
indicators and
wellness scores in the
training process to
assess its
effectiveness

Increase in
percentage
of extended
contracts

Comprehensive
customer
service

Increase in sales of
additional services
(personal trainings in
related departments,
SPA procedures,
sports nutrition)

Competitive
advantage to
attract new
customers

By purchasing **MS FIT**
you get:

Spectacular
and
accessible 3D
visualization



Technical
support



Possibility to
pay by
installments



Free
worldwide
shipping



Free Online
Training

We are looking forward to future cooperation!

Contact us

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