

## SECA MBCA

A Body Composition Analyzer That Delivers Medically Precise and Accurate Results

### IDENTIFY SYMPTOMS EARLIER

It takes several appointments and examinations to receive accurate and valid body composition measurements. Therefore, an analyzer that delivers the exact results in seconds could save you a substantial amount of time which could be used to start the necessary treatment.

### SUPPORTS YOUR DIAGNOSIS

In addition to height and weight, additional parameters such as fat mass, body water, and muscle mass will assist your diagnosis or recommendation for therapy. A body composition analyzer that delivers precise results and infographics would be the perfect support.


### RESPOND TO DEVELOPMENTS OVER THE COURSE OF THERAPY


Routine measurements are essential to respond to certain developments over the course of therapy. A body composition analyzer that delivers accurate and reproducible results in a clear overview will help you make precise adjustments over the course of therapy.

### OPTIMIZE RECOVERY TIME

During rehabilitation it is important to monitor the effectiveness of specified measures and adapt them if necessary. With a quick measurement time, precise measurement data, and a clear overview of the course of therapy you can create the appropriate therapy plan and reduce your recovery time.



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Schedule your appointment today with a friendly staff member or book online today:

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# SECA MBCA ADVANTAGES

## GENERAL HEALTH

- Enhanced therapy decisions and optimized patient care due to additional information (fat, water, muscles; not only weight)
- Additional nutritional examination results like phase angle and BIVA help to detect unapparent cachectic states
- Accurate, precise results, validated by clinical studies
- Easy operation ensures smooth integration in daily routines

## MALNUTRITION ASSESSMENT

### Extensive assessment with the seca mBCA

Assessing malnutrition plays an increasingly important role.

- Treatment of at-risk obese patients with precursors for diabetes and arteriosclerosis
- Treatment of underweight patients with deficiency symptoms
- Treatment of normal weight patients with reduced muscle mass and metabolic rates

## EDEMA MANAGEMENT

### Water is life - but too much is a severe risk factor

- Evaluating body water is of vital importance in many medical fields. Especially valuable for nephrology, intestinal, hepatorenal and cardiac patients
- Monitoring total body water, extracellular water and water distribution helps to detect and control edema

## MONITOR MUSCLE FUNCTION

### Over 600 muscles - countless areas of application

- Monitoring muscle function offers various areas of application: Diabetology, training management in athletes, rehabilitation, physiotherapy.
- This is made especially easy by means of the segmental analysis of the extremities: arms, legs and trunk
- Values are compared to normal ranges

## PHASE ANGLE

### One quick measurement - two vital answers

- Provides information on health
- Helps to detect clinically relevant malnutrition
- Ideal for monitoring patients with cancer, COPD or chronic heart insufficiency
- Differential diagnosis indicated for low phase angle values (dependent on age)



## HEALTHCARE CLINIC NUTRITION

- Enhanced therapy decisions and optimized patient care due to additional information (fat, water, muscles; not only weight)
- Additional nutritional examination results like phase angle and BIVA help to detect unapparent cachectic states
- Precise results, validated by clinical studies

## INDICATION ONCOLOGY

### Many different factors, one major problem: malnutrition

- Up to 40 % of worldwide cancer patients are malnourished
- In more than 22 % of tumor patients, cachexia is the immediate cause of death

Accurate body composition measurement helps to detect cachectic states. Examination results allow to monitor and adapt nutritional state during therapy in order to reduce mortality.

## INDICATION NEPHROLOGY

### Body water: the right level is crucial

- Monitoring body water is of high interest
- Nutritional factors also play a major role

Kidneys should take in as little protein as possible. On the other hand, too little protein intake can cause cachectic states.

## INDICATION HEART INSUFFICIENCY

### Vital for the heart: the optimal nutritional treatment

- Worsened prognosis if a patient's nutritional status is inadequate as a result of the loss of muscle and fat (cardiac cachexia)
- About 15-20 % of patients with chronic heart failure experience cardiac cachexia

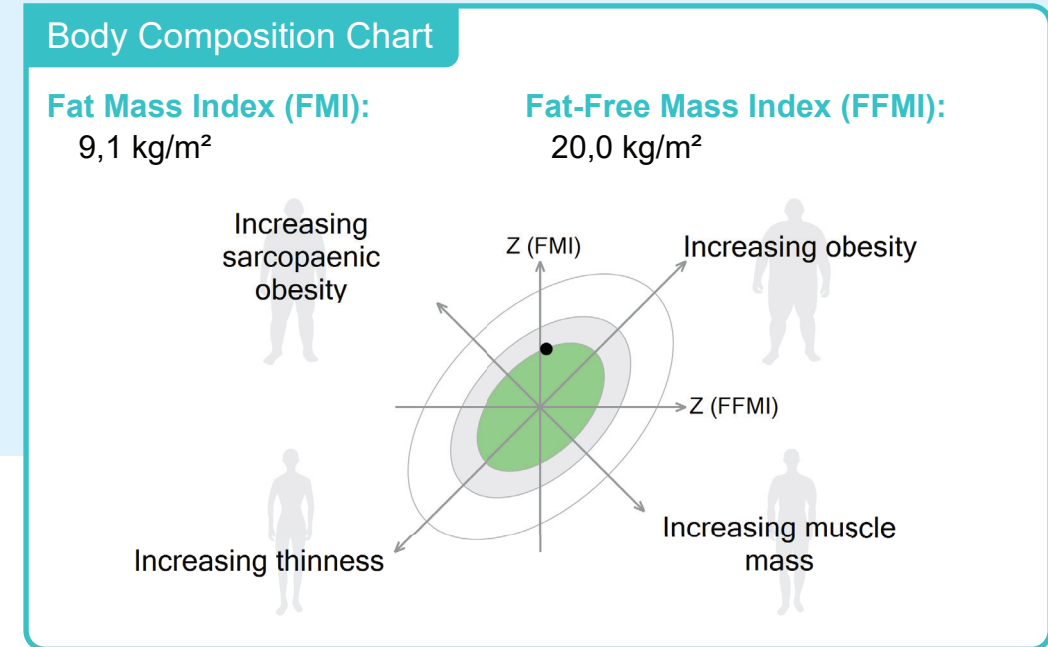
Diagnosis is difficult as edema may mask the substantial loss of fat and muscle mass. (Extracellular) water has to be taken into account.

## INDICATION DIABETOLOGY

### Two heavy burdens: overweight and obesity

- More than 90 % of diabetics have an acquired type 2 diabetes, mainly caused by poor diet and inactive lifestyle

A reduction of fat mass while preserving skeletal muscle mass is indicated. Accurate monitoring of fat and muscle mass, especially by means of Body Composition Chart, helps to control therapies.



## WEIGHT MANAGEMENT

- Enhanced therapy decisions and optimized patient care due to additional information (fat, water, muscles; not only weight)
- Accurate, precise results, validated by clinical studies
- Easy operation ensures smooth integration in daily routines

## REDUCE FAT, MAINTAIN MUSCLE

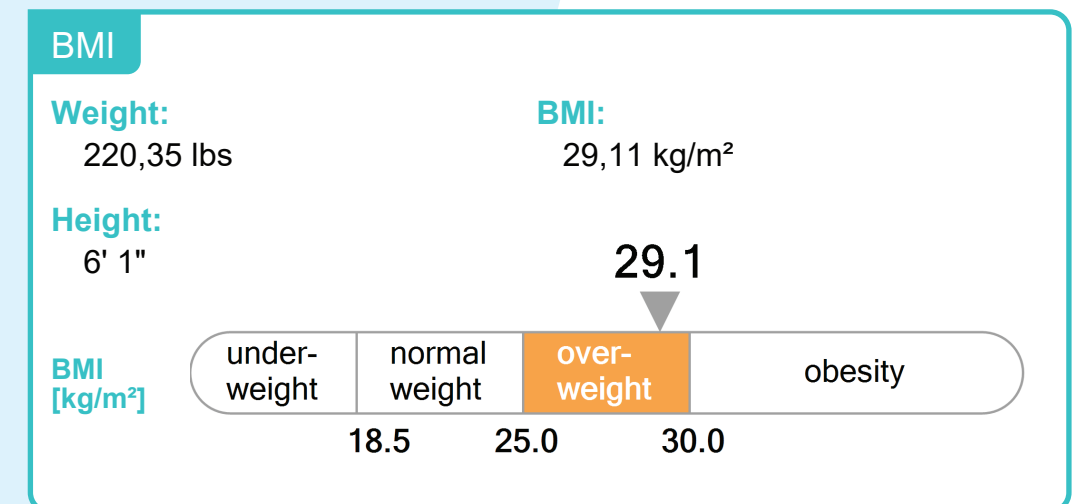
### Two values in one easy-to-understand graph: the body composition chart

- An obese person with adequate activity has - next to an increased fat mass - an increased amount of muscle mass
- Weight reduction programs often focus on decreasing fat while preserving muscle

## QUANTIFY WATER RETENTION

### Only a clear insight gives the definite answer

- Metabolic, unhealthy persons with insulin resistance often exclusively lose water when commencing with weight reduction
- The loss of water is often followed by a weight standstill



## SPORTS MEDICINE

- Optimized training control through differentiated body composition analysis
- Quality control for physiotherapy and nutrition therapy
- Better evaluation of fitness level
- Accurate, precise results, validated by clinical studies
- Easy operation ensures smooth integration in daily routines

## INJURY AND REHABILITATION

### The key to return to performance - the seca mBCA

- Assists in closely monitoring changes in body composition during injury
- Basis for rehabilitation therapy goals
- Segmental analysis of muscles helps to define specific physiotherapy treatment
- Monitors body composition over time

## PRE-SEASON TRAINING CAMP

### Only perfect preparation secures future success

- The evaluation of fat and muscle mass is valuable before competition training
- Experienced sports physicians may define cut-off values for specific sports or certain positions in order to optimize performance capacity

## YOUNG ADULT ATHLETES

### Sports nutrition: vital to victory

- Young athletes often lack skeletal muscle mass to be competitive
- Custom-tailored muscle development trainings and nutrition therapies
- Increase of muscle mass should be regulated to prevent agility deficits
- Seca mBCA is the ideal tool for these purposes

## OVERTRAINING EXHAUSTION

### Turn exhaustion into recovery

- Monitoring phase angle may evaluate overtraining and exhaustion
- Insufficient recovery & inadequate supply of nutrients cause phase angle decrease
- Inflammatory reactions of the body cells are the result
- Differential diagnosis is indicated