

**THE RESONANCE UHF WAVE  
THERAPY DEVICE "AQUATONE ADVANCED"**



# C O N T E N T

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# 1 . Device Aquatone Advanced

Aquatone Advanced, the effectiveness of treatments have been enhanced by adding amplitude levels and frequency modulations as treatment options. The amplitude levels contain the proportions of the golden ratio, which is prevalent in all processes of almost every single living system. Additionally, a frequency modulation is available for all levels enabling synchronization and optimization of Aquatone-Advanced treatments on the body's inner rhythms.

The therapeutic effects of "Aquatone Advanced" are achieved as an effect of certain resonance wave states in aquatic environments, discovered by researchers at IRE RAS in 1995. What they found is that low intensity electromagnetic waves can synchronize oscillations of water molecules. Studies have shown that these waves also organize the water structure. The low levels of electromagnetic resonance waves proved to have powerful biological effects.

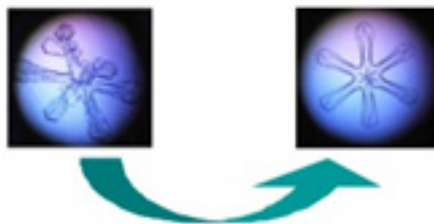
These positive results are the reason for the ongoing studies at the Russian company "Telemek" (which began 2001).

"Aquatone Advanced" restores the function of the molecular mechanisms which maintain homeostasis at all levels of the organism - intracellular, intercellular, intersystemical.

The device reinforces the human body's ability to withstand adverse environmental effects and improves the efficiency of treatments.

Studies of the biological effects of "Aquatone Advanced" treatments were carried out at the following institutions:

- Saratov State Medical University;
- The FGBI "Russian Scientific Centre of Medical Rehabilitation and Health Resort", Ministry of Health of the Russian Federation;
- Tula State University;
- The Saratov Military Medical Institute;
- The Rostov Cancer Research Institute;
- The Russian Cancer Research Centre (Moscow);
- Saratov State University;
- The Saratov Research Institute of Traumatology and Orthopedics;
- Saratov State Agrarian University;



- The Institute of Higher Nervous Activity and Neurophysiology;
- The Karolinska Institute (Stockholm);
- Harvard University (Boston);

All this research resulted in over 150 scientific papers being published and research material being included in a number of PhD and MD theses.

The project is world news! Major conclusions have been patented and the application of the device has been permitted by the federal Ministry of Health.

In 2012, the project for developing medical technologies based on the “resonance wave state of aquatic environments” was included in the federal target program “Development of the Pharmaceutical and Medical Industry of the Russian Federation until 2020 and beyond”.

Low power emission (100 - 1000 times lower than conventional “low-power” devices for EHF therapy and nearly 10 million times lower than conventional devices for UHF SMV therapy), no negative effects and good user tolerance, makes “Aquatone Advanced” perfect for personal use at home.

“Aquatone Advanced” has been successfully introduced in the medical practice in the hospitals of Saratov, Moscow, St. Petersburg, Samara, Nizhny Novgorod and other regions, where more than 40,000 patients have been treated.

All research and broad clinical testing have proven to be highly efficient for treating diseases in the genitourinary system (prostatitis, cystitis), diseases of the cardiovascular system (hypertension, chronic cerebral ischemia), inflammatory diseases of the respiratory tract (bronchitis, pneumonia), ENT diseases (sinusitis, adenoiditis, deafness), diseases of the digestive tract (gastritis, gastric ulcer and duodenal ulcer), skin diseases (eczema, sclerodermia), diseases of the joints (arthritis, osteoarthritis, low back pain, frozen shoulder, ligament damage), diseases of the peripheral and central nervous system, in rehabilitation after heart attacks and strokes but also after hard physical work and exercise.



“Aquatone Advanced” is safe and easy to handle, supplied with an autonomous power system. It is produced in the most modern assembly, with the latest control and measuring equipment.

Disinfect the surface of the device at the end of each day. Exposure can be made through a disposable towel or clothing.

Complete information about the development of medical methods and device models can be found on the website <http://www.aquatone.se>

This manual is based on the 3 years experience of using the Aquatone-Advanced device in the hospitals of Saratov.

## 1.1 Specifications

<b>Parameters</b>	<b>Value</b>
1.Operation frequency, MHz	1000,5±0,2
Output power, W	
2.1 Level 1	$(4 \pm 0,5) \times 10^{-9}$
2.2 Level 2	$(8 \pm 1) \times 10^{-9}$
2.3 Level 3	$(16 \pm 2) \times 10^{-9}$
3. Modes:	
3.1 Mode 1	continuous mode
3.2 Mode 2, frequency, Hz	0,1
3.3 Mode 3, frequency, Hz	8
3.4 Mode 1-2, frequency, Hz	16
3.5 Mode 1-3, frequency, Hz	4
3.6 Mode 2-3, the frequency range , MHz	1001-1010
4. The depth of the amplitude modulation	not less than 50 %

5.The set time of medical session, min	10
6.Weight, g	240
7. Dimensions of apparatus, mm	235x82x53
8. Dimensions of packaging	245x155x85;

## 1.2 Contents of delivery

<b>Name</b>	<b>Amount</b>
Apparatus «Aquatone-advanced»	1 pc.
Passport	1 pc.
Instructions for use	1 pc.
Packaging	1 pc.

## 2. Using Aquatone-Advanced

2.1 Using the device does not require any technical or medical training.

2.2 Before you begin, be sure that there is no mechanical damage to the enclosure.

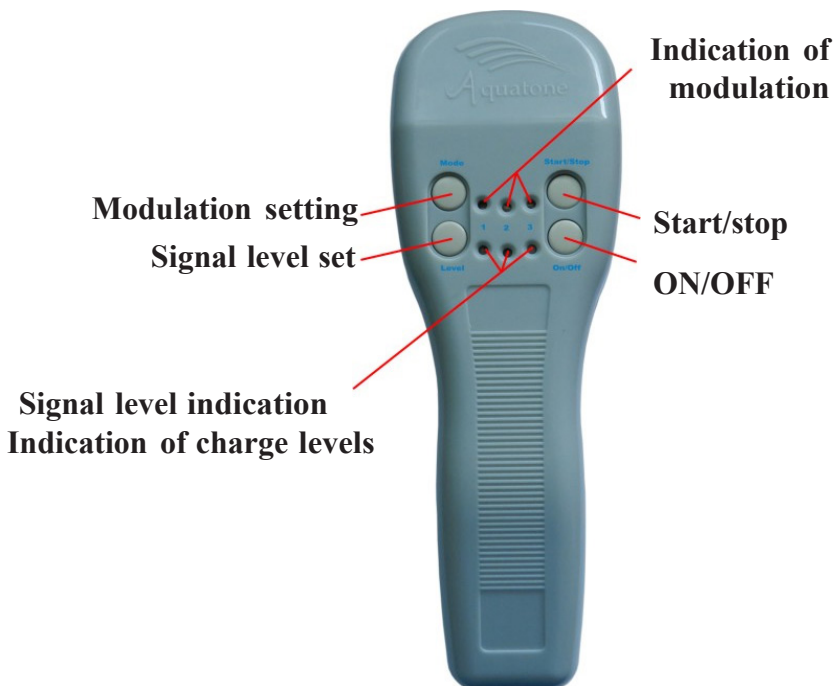
2.3 Insert the battery into the battery compartment located on the back of the device with the correct polarity of batteries.

Turn on the device by pressing and holding the button «On/Off» (Fig. 1). After pressing the button, the LED displays signal level (Level) and modulation mode (Mode) that change cyclically when you press the buttons “Level” and “Mode” (Fig. 1).

*Treatment session time is fixed at 10 minutes*

2.4 Use the buttons “Level” and “Mode” to select the desired mode for

**Fig. 1 Use and display of the device «Aquatone Advanced»**



therapy (see recommendations). The selected mode is indicated by LEDs.

**2.5** To begin the session, press the button “**Start/Stop**”. After 10 minutes the session ends automatically and a beep sounds. It is also possible the end the session manually by pressing the buttons “**Start/Stop**” or “**On/Off**”.

**2.6** Using Aquatone Advanced: place the surface of the device (Fig. 2) on the preferred body area.

**2.7** The programme turns off automatically after the session. After 3 minutes inactivity after a session, the device turns off completely. The device may turn off during a session if there is excessive battery discharge or malfunctioning. It is possible to turn off the device by pressing on the button “**On/Off**”.



**Fig.2 Working surface of «Aquatone - Advanced»**



Working surface

### 3. Error indications of the device

3.1 As the battery discharges, indicator “Level” changes its color from green to red (green - orange - red). From the moment the color indicator “Level” has turned red, the device is operative one more hour. A triple beep means that the power supply has been completely emptied.

3.2 A repeated sound during the start or use of the device indicates a mechanical damage.

3.3 Seven short beeps, followed by switching off during a session, indicate device failure.



## 4. Recommendations for therapeutic use

### 4.1 General recommendations.

During a treatment session, the flat working surface of the device is placed on the body (through a thin layer of clothing) on the projection area of a diseased organ. Clean the working surface of the device periodically, it is recommended to use a cloth dampened with a disinfectant.

The therapeutic effect of the device is based on the universal mechanism of “resonance wave state in water environments”, so the treatment algorithms of various diseases are usually similar.

“Aquatone Advanced” uses modulation modes in order to increase the effectiveness of treatments, containing a proportion of “the golden ratio”, the prevalent proportion in the majority of living systems.

Depending on a person’s sensitivity and the nature of disease, a patient may experience a brief sensation of warmth, pain in the case of chronic diseases or nothing at all during treatment. Early in the treatment process, aggravation of symptoms may occur, but it is not a reason to cease treatment. Using ”Aquatone Advanced” shortens the treatment time, the amount of medications and the risk of allergies and side effects.

### 4.2 The levels of electromagnetic exposure.

The device “Aquatone Advanced“ has three different levels of electromagnetic exposure - Level 1, Level 2, Level 3, characterized by half (-3 dB step change), and are displayed by the indicators (see Figure 3.).

**Level 1** is used for the treatment and prevention of health problems in children

**Level 2** is used for the treatment of soft tissues and internal organs

**Level 3** is used for the treatment of the spine and disorders in the joints

### 4.3 Modulation modes.

The “Aquatone-advanced” device has six different modulation modes - Mode 1, Mode 2, Mode 3, Mode 1-2, Mode 1-3, Mode 2-3 which are displayed with the help of corresponding indicators (see figure 4).

## Setting the level of electromagnetic exposure (button Level)

Cyclic pressing of the button Level set the level of electro- magnetic exposure

Level 1



Level 2



Level 3



Fig 3.

**Mode 1.** Continuous mode. It is used for acute inflammation, joint pain, for the treatment of injuries and rehabilitation after surgery.

**Mode 2.** Amplitude Modulation is of 0.1 Hz, which is one of the resonance frequencies of the circulatory system. It increases the treatment effectiveness of chronic inflammatory diseases and chronic diseases of the musculoskeletal system. The parameters of the modulating signal vary in accordance with the “golden ratio”.

**Mode 3.** Amplitude modulation has a frequency of 8 Hz, which is the main tone of the earth’s ionosphere, and also the basic rhythm of bioelectrical activity of the cortex of the human brain (alpha rhythm). This mode increases the efficiency of the therapy. The parameters of the modulating signal vary in accordance with the “golden ratio”.

**Mode 1-2.** Amplitude modulation has a frequency of 16 Hz, which is one of the fast rhythms of the cortex (beta rhythm). It increases the effectiveness of the

treatment of diseases of the musculoskeletal system, it has a tonic effect. The parameters of the modulating signal vary in accordance with the “golden ratio”.

**Mode 1-3.** Amplitude modulation is 4 Hz. The parameters of the modulating signal vary in accordance with the ”golden ratio”. It increases the treatment effectiveness of chronic inflammatory diseases of internal organs and joints and recovery after strenuous exercise. It strengthens the adaptive ability of an organism which is physically and mentally fatigued.

**Mode 2-3.** Slow frequency modulation with a frequency deviation of 1%. The frequency shifts and time slots have the proportions of the “golden ratio”. It is used to enhance the adaptive capacity of the organism during intense physical or mental work, chronic fatigue syndrome, wakening difficulty in the morning, sleepiness during the day, etc.

### Setting and displaying of modulation modes



Install the modulation mode by cyclic touch of **Mode** button

**Mode 1**                      **Mode 2**                      **Mode 3**



**Fig 4.**                      **Mode 1-2**                      **Mode 1-3**                      **Mode 2-3**

## 5. General treatment methods

The algorithms which calculate the effects have been created based on a large number of biomedical studies.

At the same time, it is important to mention that the human body is unique, and despite the specific recommendations, it is a good idea to try out other combinations of levels and modes, which might turn out be more effective. Certain combinations of levels and modes may be more effective for some than for others. It is essential to understand that Aquatone "speaks the same language" as the human body, which means that the super weak frequencies of the device cannot harm the body. When the aquatic environment in an organ improves, the organ begins to rebuild both the health of the organ as well as the health of the organ's upholding system. That is why it is recommended to pause treatment 2-3 hours after completing a 15-20 minute treatment so that the body has room to do its work. In order to help the body to restore itself, recommended maximum use is 1 hour per day. After 10 days of treatments, we recommend a pause of 3-4 days, after which treatments can be resumed.

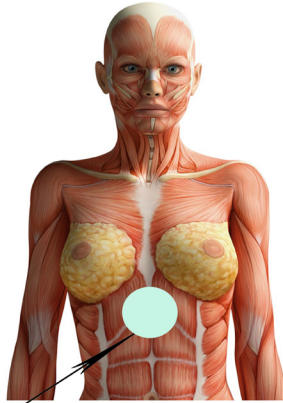
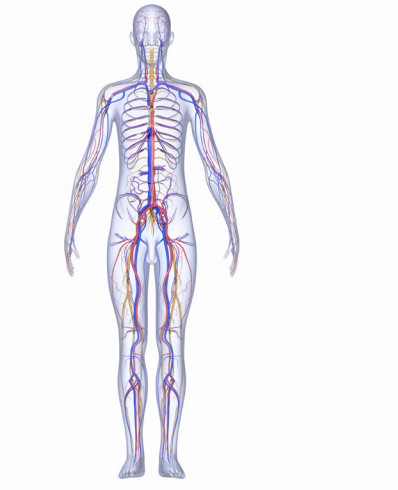
- During one day, you may alternate between modes 2, 3, 1-3 and 1-2.
- For acute conditions and pain, use mode 1, 3-5 times a day.
- For prevention and during recovery: 10 minutes per day in the evening.
- For treating injuries and fractures and for accelerating regeneration, treat the injured area 3 times a day.
- In order to increase the treatment effect, place the device on the occipital area for 5 minutes once a day in the evening.
- After having completed a treatment course, pause treatments for 5-7 days. If needed, repeat the therapeutic round.
- Aquatone can also be used for treating pets, including rehabilitation after surgery.

The human body is foremost a biological information system where all organs and systems are interconnected. In many health disorders, the bodily systems are affected. Therefore, it is vital to treat health issues or prevent them by using a universal method.

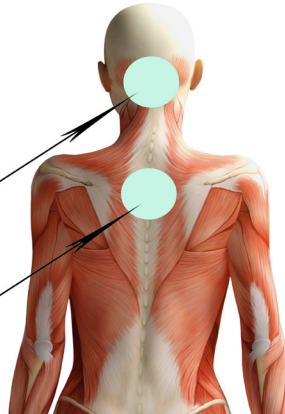
The uniqueness of Aquatone lies in the fact that its effect is universal – when the water structure is restored in the body, not only the organs and body parts function better, the bodily fluids (blood, lymph, intra-cellular fluids) improve too.

In order to improve or restore health it is necessary to work with both the weak organs or body parts as well as with the various body systems. If focus is not on the specific problem, but on improving the body's fundamental systems, the body is able to deal with various problems on its own. The basic mode of application is to work both on the local problem and on the systems of the body. For example, regarding problems in the gastro-intestinal tract, it is necessary to treat the abdominal cavity as well as the immune-, nervous- and hormonal systems. But it does not mean that everything has to be done simultaneously. The first treatment day may include local treatment and treatment of the immune system. The second day, locally and the nervous system and the third day, locally and the hormone system. Generally, such a treatment course would last 1-3 weeks. For acute pain, it is necessary to treat the local area several times a day.

# The nervous system



Solar plexus Level 2,  
mode 3, 10 min, twice a day

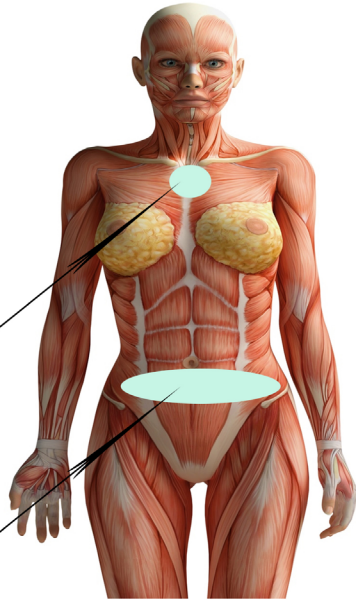
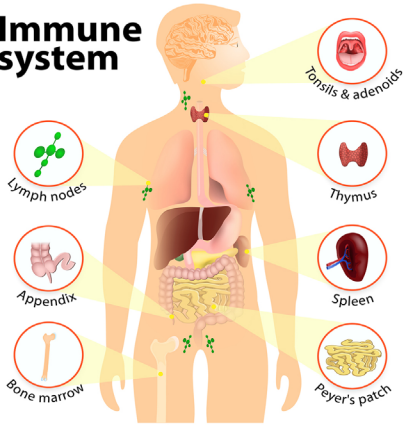


Back of the head  
Level 2, mode 2, 5 min,  
once a day

Under the seventh cervical  
vertebrae Level 2, mode 3,  
10 min twice a day

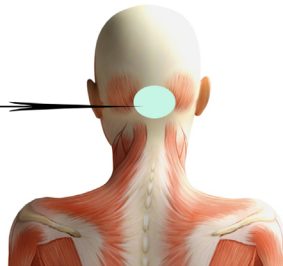
# The immune system

## Immune system



The upper part of the chest,  
the area of the thymus  
Level 2, mode 3,  
10 min., once a day

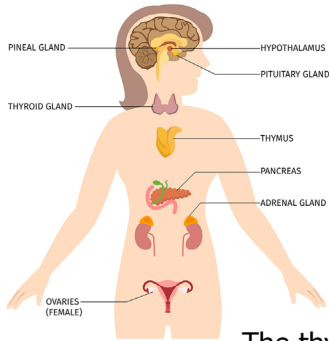
Move the device on the projection  
area of the intestines just below  
the navel Level 2, mode 3,  
10 minutes, twice a day



Back of the head Level 2  
mode 1-3, 5 minutes, once a day

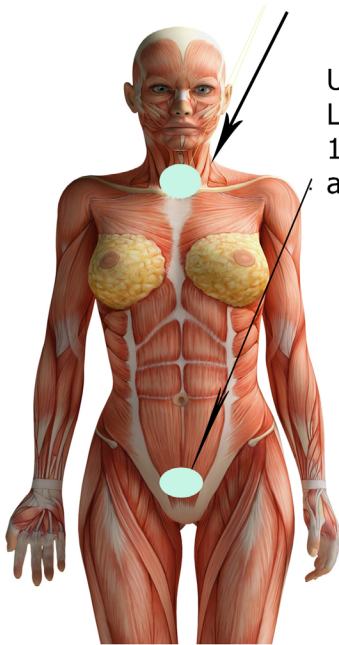
# The endocrine system

## THE ENDOCRINE SYSTEM

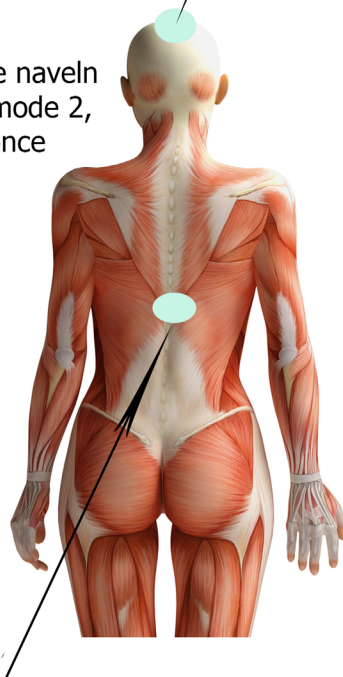


The crown (top of the head)  
Level 2, 2-3 mode,  
5 minutes, twice a day

The thyroid Area Level 2, Mode 2,  
5 minutes, twice a day



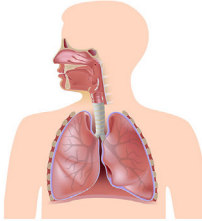
Under the navel  
Level 2, mode 2,  
10 min, once  
a day



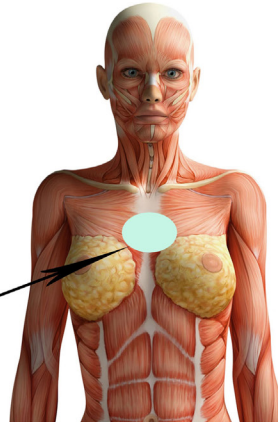
The center of the backbone Level 3,  
mode 3, 10 min, twice a day



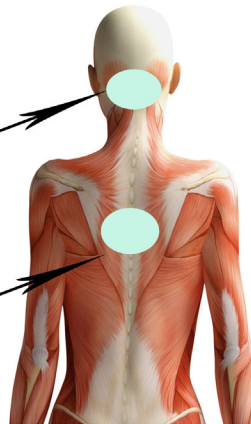
# The respiratory organs



Small movement on  
the center of the  
chest Level 2, Mode 2,  
10 min., twice a day

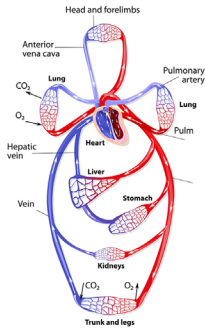


Back of the head Level 2,  
mode 1-3, 5 minutes,  
twice a day



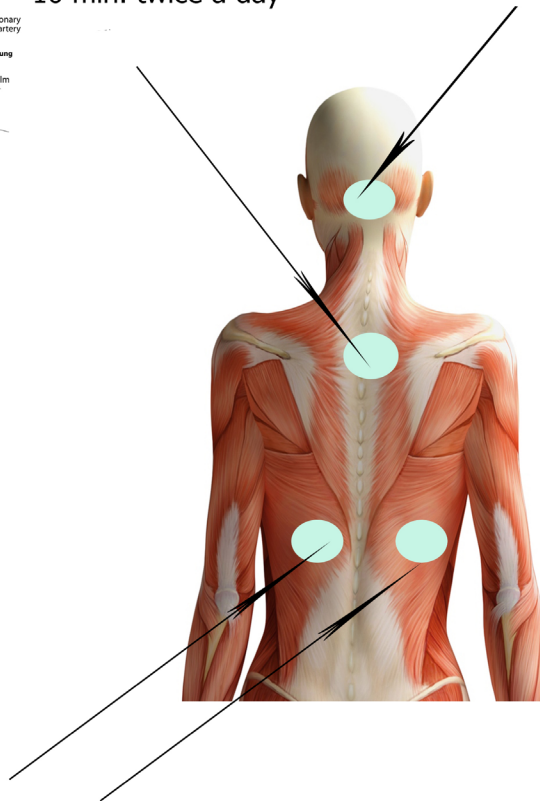
Between the shoulder blades  
Level 2, Mode 2,  
10 minutes, twice a day

# Blood circulation



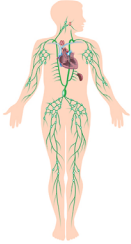
Under the seventh cervical vertebrae  
Level 2, mode 3,  
10 min. twice a day

Back of the head Level 2,  
mode 1-3, 5 minutes  
twice a day

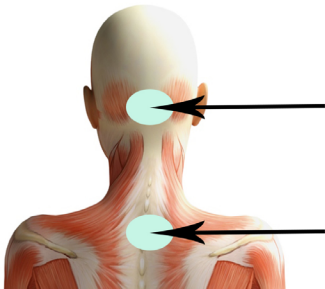
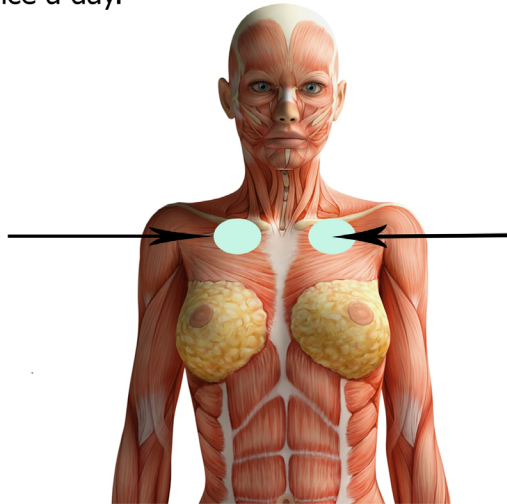


On each kidney Level 2, mode 3,  
10 min. once a day

# Detoxing the lymph system

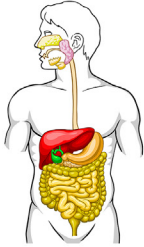


Detoxing the lymph system should be performed every day for one week. 10 minutes on the projection area under the collar bone: level 2, mode 1-3, once a day. Additionally, treat the area under the 7th vertebra with level 2, mode 3, once a day.



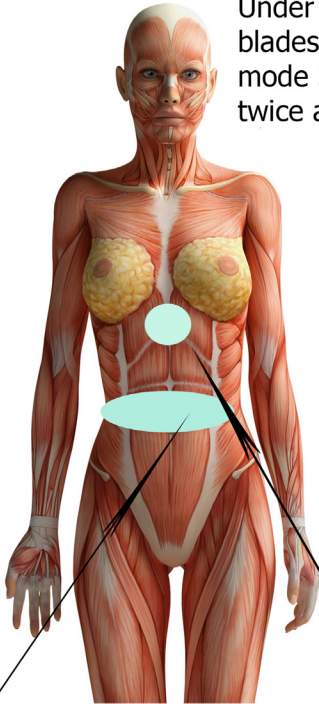
The back of the head Level 2, mode 1-3, 5 min., twice a day

# The gastrointestinal tract



Back of the head, Level 2,  
mode 1-3, 5 minutes, twice a day

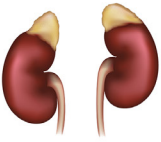
Under the shoulder  
blades, Level 3,  
mode 3, 10 min.,  
twice a day



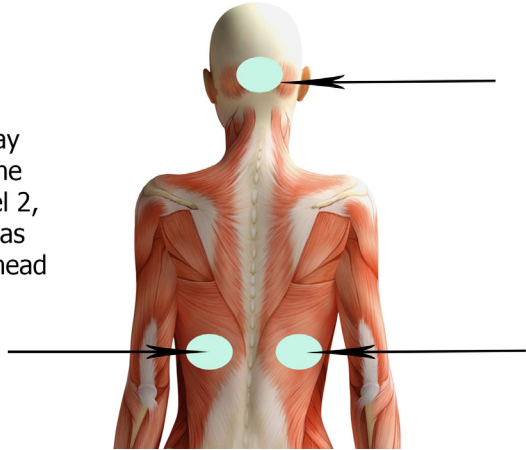
Using the device on the projection  
area of the intestines, Level 2, Mode 2,  
10 min., twice a day

Solar plexus, Level 3,  
mode 3, 10 min.,  
once a day

## Detoxing the kidneys



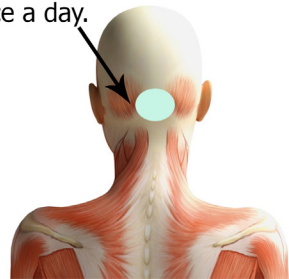
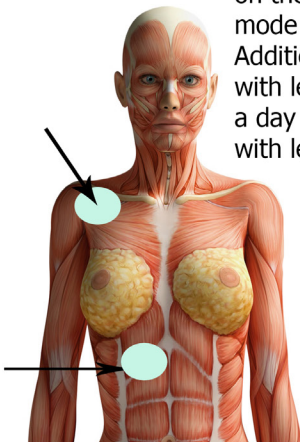
Should be carried out every day during one week, 10 min on the projection of each kidney, level 2, mode 2, once per day as well as working with the back of the head Level 2, mode 1 - 3 , 5 min. twice a day



## Detoxing the liver

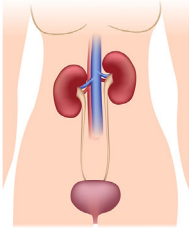
Every day for one week. 10 minutes on the liver's projection area with level 2, mode 2, once a day.

Additionally, treat the back of the head with level 2, mode 1-3, 5 minutes twice a day and the right shoulder (projection area) with level 2, mode 2, once a day.

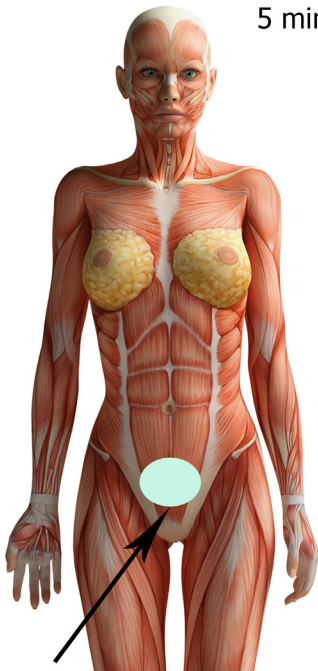


# The urinary system

The Urinary System



The back of the head,  
Level 2 mode 1-3,  
5 min. twice a day

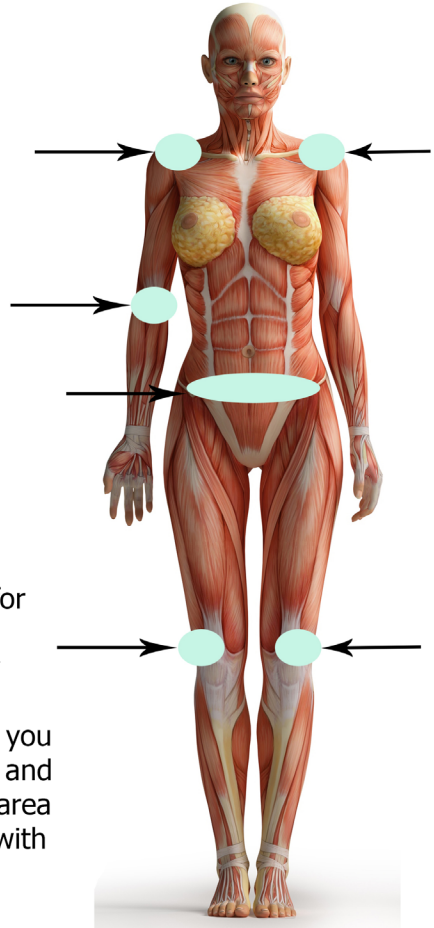
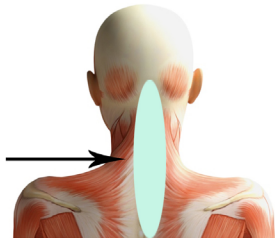
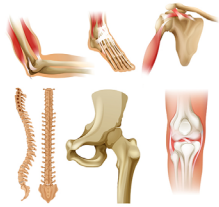


Below the navel, level 2 mode 2,  
10 min once a day



On the projection area  
of each kidney, level 2 mode 3,  
10 min., once a day

# Treating the joints and the spine

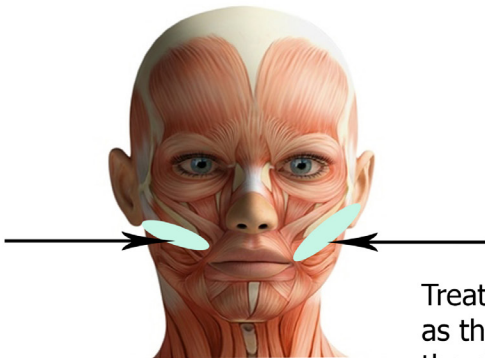
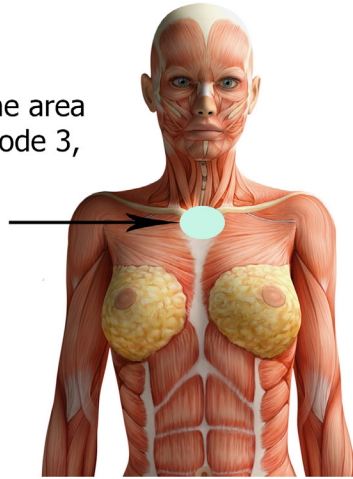


Treat locally with level 3, mode 3, for 10 minutes on each joint or part of the spine. Treat the painful area by moving the device back and forth. To strengthen the immune system, you need to activate the intestinal flora and apply the device on the projection area of the intestines, under the navel, with level 2, mode 2.

# Problems with teeth and gums



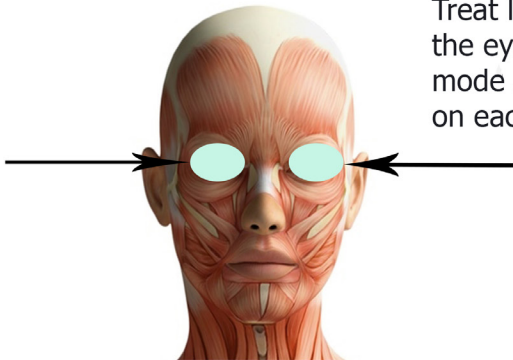
The upper part of the chest, the area of the thymus gland, level 2 mode 3, 10 min., once a day



Treat the teeth locally as well as the teeth's projection area, the cheek, with level 2, mode 3, 10 min., twice a day on each area.

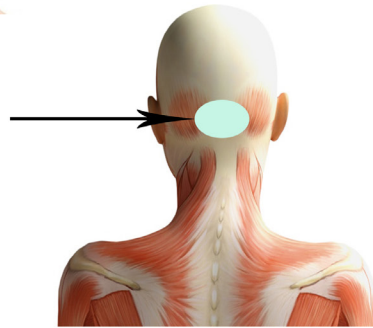


# Treating the eyes



Treat locally, directly on the eyes, with level 2 mode 2, for 5 minutes on each eye 3 times a day

The back of the head Level 2, mode 1-3, 5 min., 3 times per day



## **Information about manufacturer**

**410033 Saratov, Ave 50 years of October,  
d. 101, Bldg. 4, Floor 3  
tel. / fax (8452) 48-82-94,  
48-82-95, 48-82-96**

**Människans Resurser AB (Stockholm, Sweden)  
is general distributor in the EU**

**<http://www.aquatone.se>**