

ZAT

**Electrotherapeutic device for
mesodiencephalic modulation**

ELECTROTHERAPEUTIC DEVICE FOR MESODIENCEPHALIC MODULATION



BASIC DATA

- **new method of noninvasive therapy, so-called. mesodiencephalic modulation method**
- functionality on the principle of pulse current stimulation
- effect is proved in clinical testing in CR
- undesirable side-effects were not found out
- the device is suitable for application during hospitalization and for ambulatory treatment
- application for individual treatment of up to 4 patients
- undemanding handling
- simple and intuitive operation (after training the operation of the device is possible by trained nursing staff)
- multilingual versions (Czech, English, Russian)
- electronic User's Manual is the part of the basic equipment
- patients' database with the possibility of user notes (data card)
- programme control of the device compatible with Windows
- multilevel security assurance
- multistage system of patient protection
- acoustic and visual signalization

*) detailed information in the User's Manual

Application

Performance of physical therapy by MDM method

INDICATION Diabetic polyneuropathy

ABSOLUTE CONTRAINDICATION*

Presence of metal objects in cranial cavity

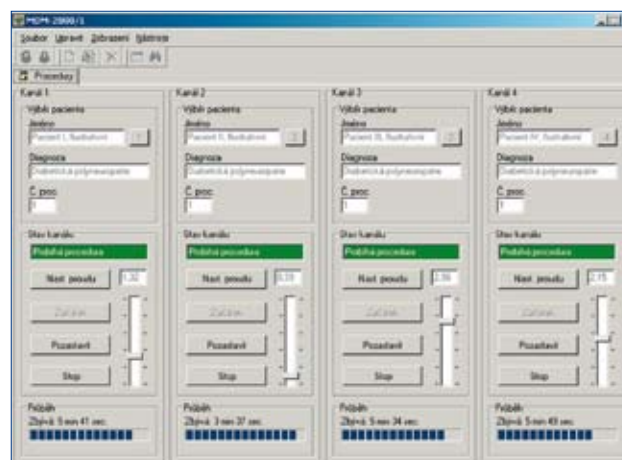
RELATIVE CONTRAINDICATION *

Epilepsy, acute states of schizophrenia.

MESODIENCEPHALIC MODULATION

Mesodiencephalic modulation is a new method of non-medication therapy, which adjusts adaptation system of the organism through selective influence of specific electric signals on neuroendocrine brain centres, provokes excretion of biologically active substances into blood circulation, whereby it adjusts stress reactions and increases adaptability of the organism.

It is known that the state of the human organism during overwork/overstress or diseases depends on the quality of functioning of the adaptation system. Normal functioning of neuroendocrine brain structures (opioid and hypothalamus-hypophysis) is proved by high adaptation preparedness of the systems of organs and tissues. In case of the apparent traumas, there is observed disadaptation syndrome (even slight impairments end lethally). For positive treatment effect MDM is typical selective activation of opioid peptides.



THE MESODIENCEPHALIC MODULATION METHOD CLINICALLY MANIFESTS ITSELF IN THE FOLLOWING WAY

- stimulation of reparative processes
- increase of the "life quality"
- Considerable clinical effect in gerontological diseases
- improvement of the effect of pharmacological preparations
- normalization of the functions of the organisms

STANDARD EQUIPMENT OF THE DEVICE FOR MDM

- device table
- headset (4 pcs)
- special cotton pads for the headsets



TECHNICAL PARAMETERS

Medical device	pursuant to Council Directive no. 93/42 EHS
Type of the medical device	MDM-2000/1 - Set
Medical electric system	CSN EN 60601-1-1
Electric power supply	230 V, 50 Hz
Input	250 VA (max.)
Class according to MDD 93/42/EEC	IIb
Security class	I
Headset type	BF
Visual equipment	
Display features	17", LCD, colour
Possibilities of setting-up	the height, slope, angular position
Alarms and indicators	
Visual signalization on the panel or display of the device	
Connection and functionality of the headset	visual and sound alarm
Moistening of the cotton pads for the headsets	visual and sound alarm
Incorrect functionality of the device	visual and sound alarm
Physikal characteristics	
Dimensions	1200 x 1350 x 730 [mm] (h x w x l)
Total weight	126 kg (including the table)
HThe weight of the headset	0,5 kg

CERTIFICATE



PRODUCER

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