



Indra Scientific

MEDICAL LASER TECHNOLOGY

THERAPEUTIC MULTI-LASER MEDICAL SYSTEM HELIOS 711D



- > Multifunctional Complex
- > 9 patients simultaneously
- > Treats up to 100 illnesses

- Central and peripheral nervous system
- The circulatory system
- Respiratory System
- Digestive
- Genitourinary System
- Musculoskeletal
- Surgical Pathology
- ENT organs
- Dentistry
- Dependencies
- Dermatology
- Cosmetology



SUMMARY

Therapeutic Multi-Laser Medical System

Title: HELIOS 711D

Main purpose: the HELIOS 711D system is capable of implementing the various types of procedures while 9 patients with different pathologies.

Certification: CIS countries, the European Union and Turkey (in progress).

REVIEW

HELIOS 711D - integrated laser center, which consists of 7 functionally-independent therapeutic laser systems for external and internal, contact and non-contact action of red, infrared semiconductor lasers. They can operate in conjunction with a constant magnetic field and laser-activated water. All systems operate independently and separately under computers control.

High integration allows optimal ways to organize:

- Multi-office laser therapy
- Specialized offices to serve 9 patients simultaneously

The **LNET SOFTWARE** controls the HELIOS 711D laser system resources and informational support for decision-making and planning and executing treatment procedures.

LASER THERAPY

LASER THERAPY - is a complex coordinated action at the level of cells, tissues and organs, management and operational systems of the body.

At the level of the whole organism laser has a multifaceted effect: improves microcirculation, regenerative, immunostimulant, anti-inflammatory, anti-edemic, desensitising, normalising metabolism and gas exchange.

Through the influence on organs, reflexogenic zones and corporal acupuncture points of constant, modulated and pulsed red and infrared laser, the system provides high clinical efficacy in the treatment of a wide range of diseases.

LASER complements and blends well with drug therapy, surgery, physical therapy, chemotherapy, homeopathy, aromatherapy, SPA resort, balneology and other therapies and preventive treatments.

LASER SYSTEM THERAPEUTICS

> **Scanning System:** Combined or selective multispectral scanning red (Cr) and infrared (IR) laser of the body surface. Combined exposure of the red and infrared spectrum with high scanning frequency (100 -150 Hz), and a large area (200 x 100 cm) are the main features of the scanning system.

It is used to treat skin diseases, neurological disorders, cardiovascular diseases, cerebrovascular diseases and diseases of the musculoskeletal system and internal organs.

> **IR-modulated / IR pulsed laser action System:** the impact of modulated infrared and infrared pulsed laser with magnetic attachments in various ways: distant, pin, pin with compression.

It is used to treat injuries and illnesses of deep-lying organs, blood vessels, ligaments and joints.

> **Intracavity irradiation System:** effecting red and IR laser light with endoscopic, vaginal, rectal, urethral, dental and other attachments; external irradiation using acupuncture, cosmetic and other accessories. Over 30 different optical attachments.

It is used to treat diseases of the mucosa and abdominal organs in urology, gynecology, proctology, pulmonology, otolaryngology, dentistry, digestive organs. Alignment of energy imbalance, cosmetology.

> **Percutaneous or intravenous blood irradiation system:** effects of non-invasive projected red laser irradiation on the area of the arterial trunk, organs, tissue and reflexogenic zones. Intravascular laser irradiation of blood.

It is used to treat serious diseases associated with circulatory disorders (myocardial infarction, ischemic heart disease, obliterating diseases of limb vessels, diabetic angiopathy, etc.), inflammatory diseases of the internal organs (pneumonia, abdominal organs), systemic diseases (diabetes, asthma, and other endocrine).

> **Hydrolaser system:** combined effect of hydromassage, Raman and / or modulated infrared laser through the aquatic environment in the mucosal tissue, reflexological zones and organs by means of special attachments: (1) The hydro shower, Dental and (3) Gynecology.

Used for bio modification of the body (alleviation of depression, nervous and physical stress, pain, energy deficiency), the treatment of functional disorders of the endocrine and autonomous nervous system, the treatment of inflammation of oral mucosa (periodontal disease, gingivitis), gynecological diseases.

EFFICIENCY OF LASER THERAPY

Treatment of a wide range of diseases and syndromes of various body systems

> Central and Peripheral Nervous System:

migraine, neuralgia, nerve pain, low back pain, dystonia, and others.

Sessions: from 1 to 15



> **Circulatory system:** vascular brain disease, stroke, hypertension of the first and second degrees, reflectoric stenocardia, varicose veins, coronary heart disease, myocardial infarction.

Sessions: from 10



> **Respiratory system:** chronic bronchitis, bronchial asthma, tracheitis etc.

Sessions: from 6 to 10



> **Digestive organs:** stomach ulcer and duodenal ulcer, chronic gastritis, functional disorders of the stomach and intestines, chronic cholecystitis, pancreatitis and others.

Sessions: from 8 to 10



> **Reproductive organs:** prostatitis, urethritis, genital disorders, inflammatory diseases of the female genital organs, infertility, mastitis, hypo- and hyperlactation and others.

Sessions: from 2 to 10



> **Musculoskeletal system:** rheumatoid arthritis, deforming arthritis, and others.

Sessions: from 1 to 10



> **Surgical Pathology:** trophic ulcers and non healing wounds, burns, fractures, occlusive disease and atherosclerosis, diabetic angiopathy, vessels of the lower extremities, phlebitis, thrombophlebitis, varicose veins. Prevention and treatment of postoperative complications.

Sessions: from 1 to 15

> **Nose and throat diseases:** tonsillitis, sore throat, rhinitis, sinusitis, acute and chronic laryngitis, pharyngitis, acute and chronic otitis media, otosclerosis, and others.

Sessions: from 2 to 10

> **Dentistry:** periodontal disease, recurrent herpetic stomatitis, periodontitis, alveolitis, pulpitis, gingivitis, abscess and cellulitis of the face and others.

Sessions: from 2 to 10

> **Addiction:** alcoholism, smoking, drug addiction.

Sessions: from 10

> **Dermatology:** eczema, atopic dermatitis, urticaria, common acne, psoriasis, alopecia, vitiligo, simple and recurrent herpes, abrasions.

Sessions: from 1 to 10

> **Cosmetology:** facial skin, neck (laser facelift), scalp, cellulite, body shaping at the local fat deposits.

Sessions: from 1



Technical Specifications Laser Module

Radiation parameters		Red laser	Modulated infrared	Pulsed infrared
Wavelength (μm)		0.63 - 0.65	0.81 - 0.89	0.80 - 0.95
Modulation frequency (Hz)		continuous	0 - 10000	1 - 500
frequency ranges settings (Hz)		-	0.01 in range of 0 - 100 Hz, 1.0 above 100 Hz	0.01 in range of 0 - 100 Hz, 1.0 above 100 Hz
System mean output power (mW)	scanner	35 - 40	80	-
	IR modulated	-	1200	-
	IR pulsed	-	-	5 - 8 W (pulsed)
	ICI	15	-	-
	LBI, ILBI	5 - 10	-	-
	hydrolaser	15 - 20	100	-



CLIENTS

THE THERAPEUTIC HELIOS MULTI-LASER HAS BEEN INSTALLED IN MORE THAN 100 MEDICAL INSTITUTIONS. AMONG OUR CLIENTS:

- Rehabilitation Center Cosmonaut. Khrunichev (Moscow, Russia)
- Clinic of the State Administration (Kiev, Ukraine)
- Diagnosticity Rehabilitation Center (Kiev, Ukraine)
- Central Hospital (Izmir, Turkey)
- Rehabilitation Center (Las Vegas, USA)
- Clinical Hospital "Feofania" (Kyiv, Ukraine)

REVIEWS

[The central district clinic in the Desnyanskiy district of Kyiv](#) (Kiev, Ukraine)

"The device is highly reliable and has a stable performance, is easy to operate, does not occupy much space, meet the specifications set forth in the documentation and it is recommended for mass production."

[Private Rehabilitation Center](#) (Kiev, Ukraine)

"The system meets the requirements and has proved its effectiveness and reliability. "

[Rehabilitation Center](#) (Las Vegas, USA)

"With the help of the system it is possible to treat patients with a variety of diseases and varying degrees of complexity. The effectiveness of the system makes it an important link on the way to recovery. "