



Manual

Please read this user manual carefully before the first use

Semiconductor Laser Therapeutic Apparatus

Model# FNZ I-A1



IIA according to 42/93/EEC

Classification: 3B-laser

Wavelength: 630-670nm

Power: 3,4,5mW

Level II for electric shielding

Internally powered equipment CF

Register No.: 2007 NO. 2240001

Licence No.: 20050176

Executed Standard: YZB/JIN 0112-2006

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1. Summary

Semiconductor Laser Therapeutic Apparatus (SECO Model# FNZ I-A1) is practiced and developed clinically according to medical science of modern laser, and is an instrument that can be used in both home and medical applications. This therapeutic instrument adopts the semiconductor laser generator to produce the wavelength as the low-yield visible light and laser of 630nm-650nm , 3-5mW. It is very effective to disease aroused by degradation of blood rheology, with the shine-treat method conducted through the nasal cavity.

2. Indications

Cardiovascular and cerebrovascular diseases:

- High blood pressure (hypertension)
- Myocardial infarction
- Ischaemic Heart Disease
- Strokes
- Chest pain
- Migraine and headaches
- Decreased microcirculation

Immune system disorders:

- Allergies
- Asthma

Other:

- Parkinson diseases
- other

3. Contraindications

- Direct irradiation of the eye and retinae
- Untreated epilepsy
- Pregnancy
- Disorder of blood coagulation
- Reduced blood coagulation
- Age below 13
- Pacemaker
- Photosensitivity
- Malignant tumor
- Light hypersusceptibility
like erythema lupus
- bradycardia

4. Mechanism of treatment

1. Rehabilitate hemorheological functions

The blood vessel of inner nasal cavity is very abundant, 60% of the blood stream of the mucous membrane of cavity inosculate when passing activity vein, because the irradiation of the inner nasal cavity would help to change the character of the blood rheology and active the related enzyme system, so that it will cause a series of changes of metabolism and natural science reactions.

2. Improvement of blood circulation:

The plant nerve of inner nasal cavity and capillary vessel is very abundant. Laser irradiation can stimulate sympathetic and parasympathetic nerves of inner nasal cavity and shrink or expand the blood vessel of cavity of mucous membrane of the blood circulation of encephalic system and the whole body.

5. Technical specification

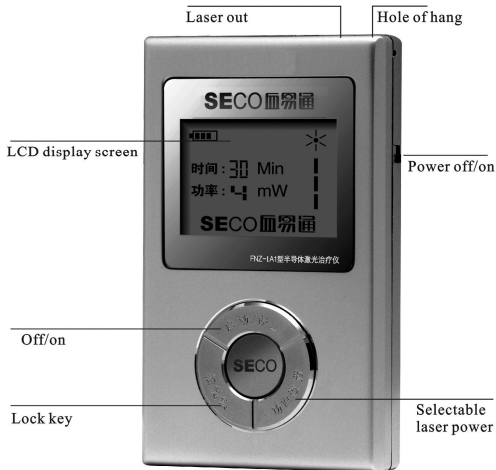
1. Conditions of normal operation:

- A) Environmental temperature: 5-40C°
- B) Humidity ≤ 80%
- C) Barometric pressure: 860hPa~1060hPa
- D) Power: 7# (AAA) batteries 4x

2. Performance targets:

- A) Wavelength: 630-670nm
- B) Intensity: 3,4,5mW
- C) Output power ≤ 5mW
- D) Irradiation time: 30 minutes
- E) Consume power: <1W
- F) Size: 104x64x18mm

6. Structure of the product



- Main device and head of therapeutic
- Subtle controller for safe and effective operation
- LCD display shows time, intensity and state of batteries
- Button control: Power on/off, Start/Stop, keylock, Power setup

7. Operating instructions

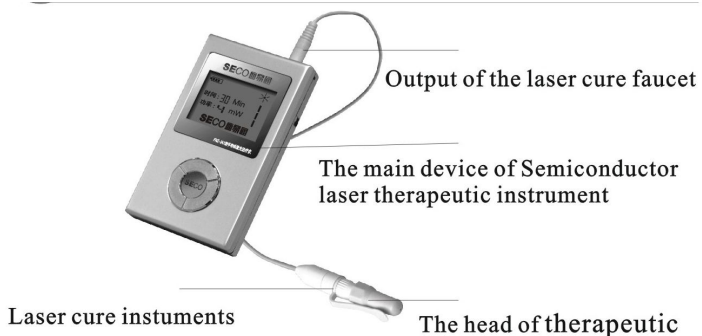
1. Make all accessories ready corresponding to the user's manual.

2. Install batteries.

Open the battery slot cover on the back on the device and insert them. Please note poles of batteries to insert them correctly.

Close the battery slot cover.

3. Connect the accessories according to picture below.



4. Turn on the device by switch the “power on/off” button. The device beeps when it is turned on.

5. Before the irradiation treatment, please use the 75% alcohol to disinfect first, and wait for a few second, the alcohol volatilizations, and put the cure head in to the nasal cavity, then press the “power setup” button.

8. safety instructions

1. Using the laser irradiation, please avoid it straight to eye
2. During curing, if you feel uncomfortable , please stop use right now
3. please consult doctor before using, if you have the follow instances
 - 1) malignancy
 - 2) Light hypersusceptibility like erythema lupus
 - 3) heart failure
4. don't use when sleeping
5. don't use when driving
6. don't give it to children, unconsciousness and no expression people to use

9. maintenance

1. Should any problem persist after you have checked troubleshooting these symptoms, consult your nearest dealer. Do not attempt to repair the device by yourself.
2. Use a soft cloth slightly moistened in water or a mild detergent solution. Do not use alcohol, benzene or thinner.
3. Keep away from heat sources, water and moisture.
4. Keep away from the Kids touch.

10. Accessories

- | | |
|------------------------------------|------|
| 1) main device | 1pcs |
| 2) the laser cable | 1pcs |
| 3) the laser head jacket | 5pcs |
| 4) 7# (AAA) rechargeable batteries | 4pcs |
| 5) special charger | 1pcs |
| 6) user's manual | 1pcs |

Warning: Please read follow the instance before you used the device safety and efficiently.

Warning sign is in the shape of the device laser radiation. Do not sight the laser beam with eyes directly or optical instruments.

Do not attempt to open the device cover. There are not parts that can be repaired by you.

Contact repair service personnel if your system is in need of repair.

Please fill in Purchasing Date and serial number at the follow blank.

Purchasing Date:

Serial number:

11. Warranty card

Thank you for purchasing the Semiconductor Laser Therapeutic Apparatus (SECO Model# FNZ I-A1).

Please read the manual carefully, and keep this warranty card appropriately. Defects caused under normal operation condition within one year from the purchasing date will be repaired free of charge with this warranty card.

This warranty does not cover the instances follow as:

- *Warranty period is expired
- *Improper installation, operation, testing or maintenance.
- *Attempted repair by any other party than our authorized.
- * Packing and accessories such as cover of the device, charger, batteries, manual, and so on.

Warranty card

Customer	Name:	
	Telephone Number:	
	Address:	
Model No:		
Serial No:		
Purchasing Date:		
Malfunction Detail:		
Repair Record:		

Contacts:

Manufacturer: Tianjin Huaxin Medical
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