

Microwave Ablation

An excellent solution for lower limb varicose veins' closure

微波消融

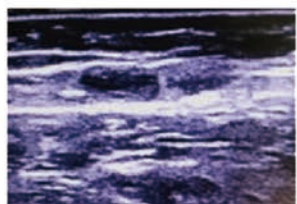
下肢静脉曲张的优质解决方案

Advantages:

- Endogenous heating: complete ablation of blood vessels without high ligation;
- Ultrasound guidance: Able to do real-time ultrasound monitoring during surgery, whole process is controllable;
- Day Surgery: Day surgery can save medical resources and reduce medical expenses

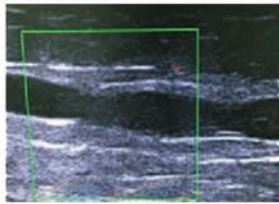
优势:

- 内源性加热: 血管消融彻底, 无需高位结扎;
- 超声引导: 手术中可实时超声监测, 全程可控;
- 日间手术: 可以日间手术, 节约医疗资源, 降低医疗费用。



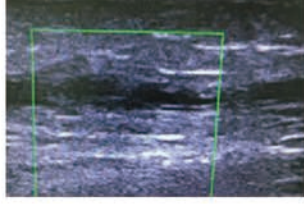
During ablation: the catheter can be clearly seen under ultrasound; Uniform ablation with reliable closure.

消融时: 导管在超声下清晰可见, 消融均匀, 闭合可靠



Within one week: No blood flow in vessels; Significantly reduced vessels' diameters.

一周内: 血管无血流, 直径明显减小。



One month later: Vascular fibrosis closure.

一个月后: 血管纤维化闭合



Flexible catheter for ablation

- 2.0 mm outer diameter, suitable softness ;
- Suitable for venous cavity applications, can be clearly seen under ultrasound;
- High thermal efficiency and good vein closure effect.

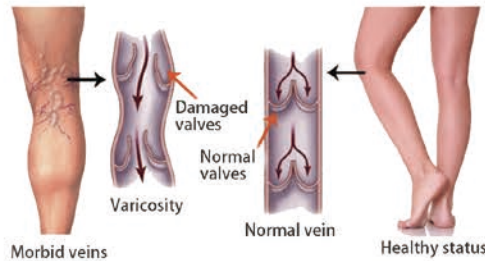
消融柔性导管

- 2.0 mm 外径, 柔软适中;
- 适合腔内应用, 超声下清晰可辨;
- 热效率高, 静脉闭合效果好。

Varicose veins and treatment methods

Lower limb varicose vein is a disease that does not heal naturally and may get worse year by year. It is mainly manifested with superficial vein dilation of the lower limbs, vein tortuosity, etc. Serious patients might also be accompanied by lower limb ulcers, phlebitis and so on.

Traditional treatment methods include: Pressure therapy, Sclerotherapy, Surgery, etc.



下肢静脉曲张及其治疗方法

下肢静脉是一种不会自行愈合而且可能逐年加重的疾病, 主要表现为下肢表浅静脉扩张, 迂曲等, 严重患者还伴有小腿溃疡, 浅静脉炎等。

传统的治疗方法包括: 压力疗法, 硬化疗法, 手术疗法等。

With the development and progress of medicine, the treatment of varicose veins has entered the era of minimally invasive surgery, fulfilling patients' requirements for curing diseases, reducing complications and good skin appearance.

随着医学的发展和进步, 静脉曲张的治疗已经进入微创时代, 以满足患者对于治愈疾病, 减少并发症及皮肤美观的要求。

Principles and advantages of Microwave Ablation

Principle: The microwave coagulation effect on the vascular tissue is used in the venous cavity to allow the microwave catheter to directly work with the venous vessel wall. Within a few seconds, a high temperature with appropriate penetration is generated to coagulate the tissue, which in turn causes fibrosis of the vascular tissue, leading to full closure of blood vessels.

微波消融的原理和优势

原理: 在静脉腔内利用微波对血管组织的热凝固效应, 让微波导管直接作用于静脉血管壁, 几秒内产生具有适当穿透性的高温将组织凝固, 继而使血管组织纤维化, 导致血管完全闭合。



Patient benefits

患者的好处



HLS



Laser



MWA

Compared with surgery and laser treatment, Microwave Ablation has the following advantages:

- Short operation period;
- Small bleeding and mild pain;
- Small trauma and quick recovery;
- Low recurrence rate;
- Normally scar-free and beautiful skin after treatment.

和传统的手术及激光治疗相比, 有以下的优点:

- 手术时间短;
- 出血量少, 疼痛感轻;
- 创伤小, 恢复快;
- 复发率低;
- 基本不留疤痕, 皮肤美观。

Manufacturer:

Nanjing ECO Microwave System Co., Ltd

Distributor:

Brilliant Medical System Pte Ltd

Address: 10 Toh Guan Road, #03-02, Singapore 608838

Tel: (65) 6970-1321 Fax: (65) 6970-1320

www.BrilliantSystem.biz