



Treatment—Minimize harm to patients

Seapostar

CHONGQING HAIFU MEDICAL TECHNOLOGY CO., LTD
Tel: 86-23-4788 6788/6789 6195/6788 6199 Fax: 86-23-4788 6188
Email: sales@haifu.cn Website: www.haifu-medical.com
Address: NO.1 Gangsong Road, Runke, Yubei District, Chongqing 401121, P.R. China
Nov. 2014



Model CZF300 Ultrasound Therapeutic System

Women need non-invasive solutions for gynecological diseases

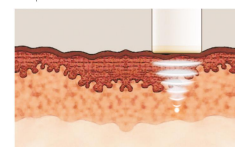
Seapostar

This is a brand-new non-invasive solution for some recurring gynecological diseases such as non-neoplastic epithelial disorders of vulva, condyloma acuminatum and chronic cervicitis. The energy of focused ultrasound can ablate the deep lesion directly without any damage on the superficial tissue.



How the focused ultrasound therapy work?

The ultrasound wave can pass the tissue safely and be precisely focused on the targeted lesion. The high energy in the focal point can cause instantaneous coagulation necrosis, without damage to the surrounding and superficial tissue.



Ultrasound wave pass superficial tissue and be focused on the deep lesion.

Advantages

- Super-short focal length technology, which can minimize the risk of superficial tissue damage
- Special designed transducers for treatments in different part of body
- Special couplant for focused ultrasound treatment, more comfortable and safer
- Real-time monitor of dosage based on a clear clinical protocol
- Environmental friendly treatment without radiation and smog
- Easy to operate for the doctors
- CE approved in 2010

Ideal solutions for both patients and gynecologists

Comprehensive solutions



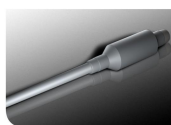
Transducer for vulva

Non-neoplastic epithelial disorders of vulva

We found that the refractory pruritus vulvae could be significantly alleviated and even disappeared after HFU treatment.

In conclusion, HFU treatment is a safe, noninvasive, and effective method for treatment of non-neoplastic epithelial disorders of the vulva. Pruritus of patients can be well controlled and diseased skin structures can also be recovered.

Liying Bao, Zhewen Xu. High-intensity focused ultrasound treatment for non-neoplastic epithelial disorders of the vulva. International Journal of Gynecology and Obstetrics 189(2015) 167-170



Transducer for cervix

Chronic cervicitis

Ultrasound therapy was tolerated well, and no severe complications were observed in any patient. No colposcopic evidence of cervicitis remained postoperatively in 75% of patients, and cytological examination showed that the lesions had disappeared in 80% of patients. Follow-up HPV-testing revealed that 75% of patients presented negative HR-HPV infection following treatment.

Focused ultrasound therapy is feasible and effective in the treatment of patients with HR-HPV positive cervicitis.

C. Z. Li, Z.-B. Jiang. Feasibility of focused ultrasound therapy for recurrent cervicitis with high-risk human papillomavirus infection. Obstetrics Gynecol 126(2015) 347-354



Professional Focused Ultrasound system
CE approved, with completely independent intellectual property.



Experienced Specialists
Specialists team provide professional clinical and engineering support and training globally.



Customized solutions
Clinical solution, business solution, marketing solution and service solution.

News Release by ACOG

ACOG NEWS RELEASE

For Release: October 29, 2004
Contact: ACOG Office of Communications
(202) 462-3033
www.acog.org/communications

Experimental Method to Treat Vulvar Dysplasia Shows Promising

Washington, DC – A method known as focused ultrasound appears effective in helping women who suffer from vulvar dysplasia, according to a new study in the November 2004 issue of *Gynecology*. The non-invasive approach proved effective in curing or improving the symptoms of vulvar dysplasia in nearly 95% of the women studied.

Vulvar dysplasia is a precancerous condition that may progress to cancer if left untreated. It is characterized by abnormal changes in the cells of the vulva, which can lead to vulvar cancer. Symptoms include itching, burning, and pain. The condition is most commonly found in women aged 40 to 60. Several treatment options are available, including laser, cryotherapy, and surgical excision. However, these treatments can be painful and may result in scarring or changes in appearance.

Researchers in China treated 75 women who had either severe dysplasia or squamous intraepithelial lesions with focused ultrasound. The method uses sound waves to generate a high temperature in the tissue, which causes cell death and reduces the number of abnormal cells. The researchers found that 72 of the 75 women responded to the treatment. Eight patients also had a biopsy of the vulva, which showed a complete response to the treatment. There were no serious side effects.

The researchers followed up with the women over a two-year period. At the end of two years, 71 of 75 patients were either cured or their symptoms were improved. Four patients had persistent symptoms.

The method of focused ultrasound is safe and non-invasive and can be performed in an outpatient setting. The researchers reported that the treatment was well tolerated and that the women returned to normal activities quickly. The researchers also reported that the treatment was effective in treating vulvar dysplasia in women who had failed to respond to other treatments.

Contact: Zhilan Wang, MD, Institute of Ultrasound Engineering in Medicine, Chongqing University. zhilanwang@163.com

Source: Published in *Obstetrics & Gynecology*, the peer-reviewed scientific journal of the American College of Obstetricians and Gynecologists (ACOG). It is an essential reading for the practice of obstetrics and gynecology. ACOG is the national medical organization representing more than 40,000 obstetric and gynecologic physicians in America.

The Journal of ACOG (American Congress of Obstetricians and Gynecologists) reported in Nov.2004 that focused ultrasound appears effective in helping women who suffer from vulva dysplasia. The novel treatment approach proved effective in curing or improving the symptoms of vulvar dysplasia in nearly 95% of the women studied.

Bibliography (Partial)

- A Comparison Between Ultrasound Therapy and Laser Therapy for Symptomatic Cervical Ectopy. JINYUN CHEN, DEPING ZHOU, *Ultrasound in Med. & Biol.*, 34, No. 11, pp. 1770-1774, 2008
- Focused Ultrasound Therapy of Vulvar Dysplasia: A Feasibility Study. Chengzhi Li, Duhong Bian, *The American College of Obstetricians and Gynecologists*, VOL. 104, NO. 5, PART 1, NOVEMBER 2004
- Feasibility of focused ultrasound therapy for recurrent cervicitis with high-risk human papillomavirus infection. C.-Z. LI*, Z.-B. WANG, *Ultrasound Obstet Gynecol*2003;24: 520-524
- High-intensity focused ultrasound treatment for non-neoplastic epithelial disorders of the vulva. Liming Ruan, Zhenwei Xie, *International Journal of Gynecology and Obstetrics*, 109 (2010) 167-170
- Study of ultrastructural changes of the non-neoplastic epithelial disorders of vulva after focused ultrasound treatment. Chengzhi Li, Xiaogang Liao, *Focused Ultrasound Treatment of Gynecological Non-tumor Disease*.
- Result observation of 3090 cases of cervical disease treated by Focused Ultrasound. Yuxiang Ren, Fengying Wu, *ACTA Academiae Medicinae Militaris Tertiae Jul*, 2009;(Chinese)
- Comparative study of focused ultrasound with leep knife for the treatment of chronic cervicitis on the body's stress response. Hu Yu-ping, Zhang Jian-fang, *Medical Engineering Jun*, 2008;(Chinese).
- Clinical study of focused ultrasound therapy in the treatment of chronic cervicitis. Zhang Hai-Peng, Han Bing, *Journal of Chinese maternal and Child Health*, 2007
- Clinical and pathological evaluation of white lesions of vulva after ultrasound treatment. Li Chengzhi, Wang Zhibiao, *Journal of Practical Obstetrics and Gynecology*, 2003 January Vol.19 No.1.
- Clinical and pathological analysis of vulva condyloma acuminatum treated with focused ultrasound. Wang Fang et al *Journal of Chongqing Medical University* 2005. Vol.30 No.5.