

## Laser application in gynecology

On January 22, 1999, the history of the application of laser technology in the collection department was very short, and the literature was published abroad.

The number is also far less than other clinical departments. Israel's Kaplan was the first doctor to treat cervical erosion with a carbon dioxide laser. He used a 5 to 10W carbon dioxide laser in 1972 to illuminate the cervix with an endoscope. The treatment was painless and the healing time was 8 to 16 days, with an average of 13 days.

Since 1974, Shanghai Sixth People's Hospital first applied laser technology to treat cervicitis. Laser treatment of some diseases of gynecology. At present, in the field of gynecology, laser treatment of medical units in various parts of China, the treatment of diseases including gynecological common diseases, vulvar diseases, cervical diseases and attachment diseases, have achieved certain results, accumulated a number of experimental and clinical data. Commonly used lasers in gynecological clinics include carbon dioxide lasers, argon lasers, helium-neon lasers and helium-cadmium lasers, and yttrium-doped garnet lasers in solid-state lasers, among which carbon dioxide lasers are the most widely used. Laser clinical applications include cauterization, cutting, oxidation, charring, and irradiation. For example, focusing for cutting or vaporization and defocusing for low-energy irradiation can be effectively applied to various common diseases of gynecology.

Cervicitis and chronic cervicitis are most common in cervical cancer, which is a common chronic disease among women. This disease is considered to be a possible cause of cervical cancer. We have used thousands of cases to treat cervicitis with carbon dioxide lasers. The treatment usually uses burning to vaporize or charify the diseased tissue. According to statistics, the effective rate of this treatment is 93.5 to 100%, of which the cure rate is 60 to 96%, and the cure rate we have done has exceeded 80%. Laser treatment of cervicitis is simple, rapid, and effective, with fewer complications. Practice has proved that the speed of laser treatment of cervicitis is several times faster than the treatment of electric iron, and the laser light knife does not touch the tissue, and the depth of the burning tissue is easy to grasp. The curative effect is similar to that of cervical electric ironing, which is superior to cryotherapy. We have been in the follow-up of more than half a year of treatment. The short-term results of most cases are satisfactory. The lasers have the following advantages in the treatment of cervical, cervical erosion, cervical polyps, cervical cysts and other diseases:

1. No routine tests and examinations are required before surgery. There is no need for anesthesia during operation. There is no pain or discomfort during the operation. The diet is not affected after the operation. It simplifies preoperative preparation and postoperative care, and expands the postoperative indication. The laser is particularly convenient for patients who are frail and unable to tolerate routine surgery.
2. The operation speed is fast and the time is short.
3. After laser surgery, the epithelium grows rapidly and the surface is smooth.
4. The curative effect is better than ordinary surgery or other treatments such as electric ironing and cryotherapy.

Vulvar disease: We are applying carbon dioxide laser to treat various vulvar pruritus (including chronic vulvitis of vulva, external

The symptoms of pruritus, genital warts, etc. are 98%, the cure rate is 100%, and the curative effect is particularly obvious, which is popular among women.

Treating cervical erosion

Treatment: 3 to 7 days after the menstrual cleansing, routine disinfection of the vulva, full exposure of the palace with a speculum

After the neck, wipe the secretions, the 15W carbon dioxide laser beam is aimed at the lesion, and the focus is burned to make the surface coagulate and carbonize. The depth is generally 0.3-0.5cm, the time is 2~3 minutes, and the voltage is about 100-150V. The healing time is as short as 10 days, and the longest is 18 days, with an average of 14 days.

RESULTS: Very few of the treatments were mildly hot, slightly painful or falling. Increased secretion after treatment, lasting 10-20 Days, 30 days to 60 days review, after six months of follow-up survey, except for 6 cases (1 degree II, 4 cases of III), 95 cases, of which 10 cases were accompanied by cervical polyps (II degree 52) For example, in 30 cases of III degree), after one treatment, the epithelial tissue is new Health, get cured.

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