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A combination of penile venous stripping, tunical surgery and varicocelectomy for patients with erectile dysfunction, penile dysmorphology and varicocele under acupuncture-aided local anesthesia on ambulatory basis

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Abstract

Since 1986, we have refined penile venous stripping, corporoplasty and varicocelectomy for patients with erectile dysfunction, penile deviation and varicocele. From June 2010 to March 2012, a total of 35 men, aged from 41 to 49 years, with erectile dysfunction, penile deviation and a varicocele. Twenty three (the surgical group) underwent a combination of penile venous stripping, morphological reconstruction and varicocelectomy. Twelve were assigned to the control group. The abridged five-item version of the International Index of Erectile Function (IIEF-5), a dual cavernosogram, and a life quality rating were used to assess patients. Under an acupuncture-aided local anesthesia, the deep dorsal vein and cavernosal veins were completely stripped, tunical surgery, a varicocelectomy was then performed. In the surgical group the preoperative IIEF-5 and the life quality rating was 9.6±2.1 and 27.3±4.5%, which was increased postoperatively to 20.6±2.3 and 80.8±6.4% respectively (both $p < 0.001$). Whereas in the control group the corresponding preoperative IIEF-5 and life quality rating was 9.8±2.5 and 29.4±4.4% respectively which changed to 8.8±2.7 and 20.8±6.5% respectively (both $p < 0.01$). The difference between the two groups ($p < 0.001$) and within the group ($p < 0.01$) was significant. A satisfactory penile shape was achieved in 21 (91.3%) patients with 2 men (8.7%) complaining of mild deviation of the penis (<10°). Cavernosograms showed an ideal milieu of the corpus cavernosum for retaining intracorporeal fluid. A combination of penile venous stripping, penile morphological reconstruction and varicocelectomy provides a novel solution for reestablishing satisfactory and satisfying sexual performance.

Biography

Geng-Long Hsu completed his MD in 1985 from National Taiwan University and research fellowship in University California San Francisco in 1991. He is a director associate of minimally invasive surgery training center at the National Taiwan University where he carry on a training course of microsurgery drill on rat. His innovative method of penile venous stripping granted an USPTO patent in August 2012. He have made newfound insights into penile tunical, venous anatomy and erection physiology were inspired by and – in turn – enhance clinical applications including penile morphological reconstruction, penile implantation and penile venous surgery on an acupunctured-assisted ambulatory basis.