

Keywords: Male infertility; varicocele (VC); epididymis; inflammatory mass

doi: 10.21037/tau.2017.s081

Cite this abstract as: Wang R, Zhang TB, Zheng T, Li R, Wang CL, Yang F, Jia D, Lian J, Zhang WX. Research on epididymis inflammatory mass in 1,021 patients with varicocele. *Transl Androl Urol* 2017;6(Suppl 3):AB081. doi: 10.21037/tau.2017.s081

AB082. Compare the clinical effect of varicolectomy treatment between Secondary varicocele patients caused by nutcracker syndrome and primary varicocele

Tianbiao Zhang, Donghui Jia

The First Affiliated Hospital of Zhengzhou University, Zhengzhou 450000, China

Background: To compare the clinical effect of varicolectomy treatment between patients who were diagnosed as secondary varicocele caused by nutcracker syndrome (NCS) and primary varicocele patients.

Methods: The secondary varicocele patients combined with NCS admitted in our hospital were systematically reviewed. All these patients had no obvious related symptoms such as gross hematuria and abdominal pain and so on. After the comprehensive examinations, the patients underwent the operation of microsurgical varicolectomy. During the same period, the patients who were diagnosed as primary varicocele and underwent varicolectomy were randomly selected as control group. The patients were required to make follow up 6 months and 1 year after the surgery in clinic. The number of varicocele recurrence of the both groups was calculated. And the patients' numbers of improved semen quality, spouse pregnancy, testicular

and perineal discomfort improvements were analyzed to compare whether there was significant difference between the two groups by Chi-square test.

Results: In left varicocele patients combined with NCS, one year after left varicolectomy, the recurrence rate was elevated, patients' symptom of scrotal pain did not alleviate obviously, and the rate of the spouse pregnancy declined.

Conclusions: For the patients with secondary varicocele caused by NCS, compared with the primary varicocele patients, the surgical treatment efficacy declined, and its higher recurrence rate might be related with the velocity of the stenosis site in left renal vein.

Keywords: Varicocele; nutcracker syndrome (NCS)

doi: 10.21037/tau.2017.s082

Cite this abstract as: Zhang T, Jia D. Compare the clinical effect of varicolectomy treatment between Secondary varicocele patients caused by nutcracker syndrome and primary varicocele. *Transl Androl Urol* 2017;6(Suppl 3):AB082. doi: 10.21037/tau.2017.s082

AB083. Abnormal white matter microstructural in lifelong premature ejaculation identified by tract-based spatial statistical analysis

Ming Gao, Jian-Lin Yuan

The Fourth Military Medical University, Xi'an 710000, China

Background: To investigate the white matter microstructural changes association between untreated lifelong premature ejaculation (LPE) patients and controls by tract-based spatial statistical analysis. As well, to investigate how the depression and anxiety influence the result.

Methods: The sample consisted with 32 medication-naive adult men with clinical diagnosed LPE and matched 32 healthy controls. Tract-based spatial statistical (TBSS) were implemented to perform between-group analysis. The