

COMPARISON OF TWO VASCULAR SECTION TECHNIQUES IN LAPAROSCOPIC VARICOCELECTOMY

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INTRODUCTION

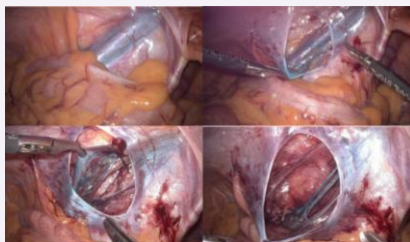
- Varicocele is an abnormal dilatation of the pampiniform plexus.
- It can affect up to 20% of adolescent-adult males and could induce testicular hypotrophy and fertility problems.
- AIM: evaluate the rate of complications depending on the vascular occlusion technique used in the laparoscopic Palomo technique

MATERIAL AND METHOD

- ✓ Prospective longitudinal study 2019-2023
- ✓ 2 therapeutic groups : clip and section or vascular sealer
- Sociodemographic characteristics
- Grade of varicocele according to Dubin-Amelar
- Postsurgical complications
- Recurrence of varicocele

RESULTS

N	37 patients
Mean age	12 ± 1,41 years (10-15 y)
Mean follow-up	12 ± 9.8 months (8-14 m)



Approach	Clip and cut	Vascular sealant	P
N	20 (54.1%)	17 (45.9%)	
Symptomatic Grade II	4 (20%)	5 (29%)	P=0.506
Symptomatic Grade II	16 (80%)	12 (71%)	
Post-surgical complication: Hydrocele	8 (40%)	3 (18%)	P=0.138
Reoperation because of hydrocele	3 (15%)	2 (12%)	P=0.774
Recurrence of varicocele	0	0	

CONCLUSIONS

- ✓ The laparoscopic Palomo technique is a safe and effective technique regardless of the vascular occlusion device used.
- ✓ In our study, no statistically significant differences have been demonstrated in the use of clip vs vascular sealant technique.