

Laparoscopic postchemotherapy residual mass resection as an alternative to template-based PC-RPLND

Background

- Patients with residual tumour chemotherapy for metastasized testi germ cell tumour are treated retroperitoneal lymph node dissection RPLND).
- There is debate concerning the anator extent of PC-RPLND.
- Currently, template-based open RPLNI RPLND) is the standard approach.

We hypothesize that oncological control be achieved by laparoscopic mass resection instead of template-based RPLND.

Objective

To report the long-term results robot-assi laparoscopic and residual mass resection

Methods

- Retrospective chart analysis of all particular that were treated with laparose (L-RPLND) or robot-assisted (RA-RP residual mass resection at 2 tertiary ref centers in the years 2002-2016.
- Surgery consisted of resection of residual mass only, taking into account original location of the tumour.

BARCELON EAU19 15-19 March 20

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after sticular with	58 patients L-RPLND: 24, RA-RPLND: 34		Result Seven c • Techt • Vascu
n (PC-	Zpationta	1 patient	 Debr
omical	7 patients Conversion to O-RPLND L-RPLND: 4/24, RA-RPLND: 3/34	Incomplete resection and subsequent O-RPLND	Two pa ⁻ • One
JD (O-			retro
	3 patients relapsed	47 patients	12 n
	2 in-field, 1 out-field All disease-free after FU >83 months	No relapse	RA-R
l can			• One
tion	Median follow-up 65.2 months (IC	QR 32.1 – 107.0)	on r
			3 m
			chem
	Baseline characteristics		-
	Median age, <i>years</i> (IQR)	29.3 (23.5-33.8)	show
ts of	IGCCCG risk category, <i>n</i> (%)		One p
sisted	- Good Tetemerediate	47 (81.0%)	14 year
JIJLEU	- Intermediate	8 (13.8%)	
	- Poor Madian tumour ciza pro chama <i>cm</i> (IOP)	3(5.2%)	Two pat
	Median tumour size pre-chemo, <i>cm</i> (IQR) Median tumour size pre-RPLND, <i>cm</i> (IQR)	2.6 (1.5-3.2) 2.0 (1.5-2.9)	-
	Internall turnoul size pre-KPLIND, CIT (IQK)	2.0 (1.3-2.9)	• One
ationta	Operative results		diagr
atients	Type procedure, <i>n</i> (%)		• One
scopic	- Laparoscopic	24 (41.4)	leuke
PLND)	- Robot-assisted	34 (58.6)	
eferral	Median operative time, <i>mins</i> (IQR)	135 (100-187)	
CICITUI	Bloodloss, n (%)		Conclu
A I	- <100 ml	49 (84.5)	In ou
of the	- >100 ml	9 (15.5)	
int the	Median hospital stay, <i>days</i> (IQR)	2 (1-3)	with
	Retroperitoneal histology, n (%)		resect
	- Teratoma Necrocic (fibrocic	33 (56.9) 20 (24 E)	•
	- Necrosis/fibrosis Viable cancer	20 (34.5)	an in
NA	- Viable cancer Postoperative complication Clavien-Dindo Grade $\geq 2, n$ (9)	5 (8.6) 2 (3.4)	Surviv
	 Grade 3a: Chylous ascites requiring drain placement 	2 (3.4) 1 (1.7)	
2019	- Grade 3b: Chylous ascites requiring open surgery	1 (1.7)	Mor
			J.M.Blok

lts

conversions to O-RPLND due to; hnical difficulty: 3 patients cular injury: 3 patients pris leakage: 1 patient

atients (3.4%) had in-field relapse;

patient: RA-RPLND with teratoma on operitoneal histology. Relapse after months, which was treated with redo RPLND, showing teratoma.

patient: L-RPLND with necrosis/fibrosis retroperitoneal histology. Relapse after nonths, which was treated with salvage motherapy and full-template O-RPLND, wing necrosis/fibrosis.

patient had out-field relapse after ars, which was treated with O-RPLND.

atients died;

patient due to brain metastases nosed 2 weeks after surgery

patient due to acute lymphatic cemia

lusion

ur series of 58 patients treated laparoscopic residual mass tion, 2 patients (3.4%) developed n-field relapse. Disease-specific val was 98.3%.



