

Tables

Table 1. RVTAS pulmonary resections: patient characteristics and perioperative results

Preoperative variables (n=47)	No. (%) or median (IQR)
Age (years)	61 (50 to 73)
Male	13 (27.7%)
Intraoperative variables	No. (%) or median (IQR)
Lesion Location	
• Right Upper Lobe	15 (31.9%)
• Right middle Lobe	7 (14.9%)
• Right Lower Lobe	11 (23.4%)
• Left Upper Lobe	8 (17.0%)
• Left Lower Lobe	6 (12.8%)
Resection type	
• Lobectomy	34 (72.3%)
• Segmental resection	2 (4.3%)
• Non anatomic resection (wedge)	5 (10.6%)
• Lobectomy and wedge	3 (6.4%)
• Lobectomy and pleural biopsy	1 (2.1%)
• Lobectomy and bronchoplastie	2 (4.3%)
Docking time (min)	18 (13 to 20)
Console time (min)	125 (110 to 150)
Total operative time (min)	220 (200 to 250)
Blood Loss (mL) [n=46, 1 missing]	100 (80 to 100)
Conversion	0 (0%)
Intraoperative complications	3 (6.4%)
Postoperative variables (n=47)	No. (%) or median (IQR)
Chest tube duration (hours)	48 (48 to 67)
Postoperative complications	5 (10.6%)
• Cardiac arritmia	2 (4.3%)
• Air leak	2 (4.3%)
• Pneumonia	1 (2.1%)
Hospital lenght of stay (days)	3 (2 to 4)
In hospital mortality	0 (0%)
90 day mortality [n=40, 7 missing]	1 (2.5%)
Follow up time (months)	29 (12 to 55)
Histology result variables (n=47)	No. (%) or median (IQR)
Tumor size (mm) [n=38, 9 benign disease]	10 (10 to 20)
Lesion Histology	
• Adenocarcinoma	24 (51.1%)
	3 (6.4%)

• Escamocelular carcinoma	5 (10.6%)
• Neuroendocrine tumor	2 (4.3%)
• Large cell carcinoma	4 (8.5%)
• Metastatic disease	9 (19.2%)
• Benign	
Pathologic Stage	
• I	24 (64.9%)
• II	3 (8.1%)
• III	3 (8.1%)
• IV	7 (18.9%)

Continous variables are expressed as median and interquartile range (25% quartile to 74% quartile). Categorical variables are expressed as count and percentage.

Table 2. RVATS mediastinal lesion resection: patient characteristics and perioperative results.

Preoperative variables (n=18)	No. (%) or median (IQR)
Age (years)	50 (39 to 59)
Male	4 (22.2%)
Intraoperative variables (n=18)	No. (%) or median (IQR)
Lesion Location	
• Anterior mediastinum	11 (61.1%)
• Middle mediastinum	6 (33.3%)
• Posterior mediastinum	1 (5.6%)
Resection type	
• Tymectomy	9 (50.0%)
• Other mediastinal mass resection	5 (27.8%) 2 (11.1%)
• Esophageal lesion resection	1 (5.6%)
• Mediastinal biopsy	1 (5.6%)
• Bronchogenic cyst resection	
Docking time (min)	15 (10 to 20)
Console time (min)	107.5 (95 to 125)
Total operative time (min)	195.5 (131 to 221)
Blood Loss (mL)	50 (20 to 90)
Conversion	0 (0%)
Intraoperative complications	2 (11.1%)
Postoperative variables (n=18)	No. (%) or median (IQR)
Chest tube duration (hours)	48 (24 to 68)
Postoperative complications	0 (0%)
Lenght of hospital stay (days)	2.5 (2 to 3)
In hospital mortality	0 (0%)

90 day mortality [n=16, 2 missing]	0 (0%)
Follow up time (months)	14 (5 to 24)
Histology variables (n=18)	No. (%) or median (IQR)
Tumor size (mm) [n=16, 2 missing]	35 (25 to 50)
Lesion Histology	
• Thymic Hyperplasia	7 (38.9%)
• Thymoma	2 (11.1%)
• Metastasic disease	3 (16.7%)
• Esophageal Leiomyoma	2 (11.1%)
• Parathyroid adenoma	1 (5.6%)
• Shwannoma	1 (5.6%)
• Intrathoracic goiter	1 (5.6%)
• Bronchogenic cyst	1 (5.6%)

Continous variables are expressed as median and interquartile range (25% quartile to 74% quartile). Categorical variables are expressed as count and percentage.

Table 3. RVATS other procedures: patient characteristics and perioperative results

Variable	Patient 1	Patient 2	Patient 3	Patient 4
Type of Surgery	Plicature of diaphragm	Plicature of diaphragm	Sympathectomy	Thoracic wall lesion resection
Age (years)	34	60	34	48
Sex	male	female	female	female
Lesion Histology	NA	NA	NA	Multiple mieloma metastasis
Docking time (min)	20	27	16	15
Console time (min)	70	120	20	90
Total operative time (min)	148	224	82	176
Blood Loss (mL)	90	50	20	90
Chest tube duration (hours)	24	72	0	24
Hospital LOS(days)	4	4	0	2

LOS lenght of stay.