

Table 3. Efficacy and safety outcomes data of the study population.

		Total (n=302)	TightRail group (n=169)	Evolution group (n=133)	p value
Lead related success of mechanical dilator sheath	Complete removal of lead	259 (85.8)	147 (86.9)	112 (84.2)	0.494
Procedure related success of mechanical dilator sheath	Complete removal of lead	259 (85.8)	147 (86.9)	112 (84.2)	
	Incomplete removal of lead	11 (3.4)	6 (3.6)	5 (3.8)	
	Patients with clinical success	270 (89.4)	153 (90.6)	117 (88.0)	0.494
Procedural failure of mechanical dilator sheath		32 (10.6)	16 (9.4)	16 (12.0)	0.473
Total lead related success (mechanical dilator sheath and rescue methods)	Complete removal of lead	25 (86.2)	12 (85.7)	13 (86.7)	1.000
Procedure related success (mechanical dilator sheath and rescue methods)	Patients in need of snare	29 (9.6)	14 (8.2)	15 (11.2)	0.286
	Complete removal of lead	25 (86.2)	12 (85.7)	13 (86.7)	1.000
	Incomplete removal of lead	3 (10.4)	1 (7.1)	2 (13.3)	
	Patients with clinical success	28 (96.6)	13 (92.8)	15 (100)	0.785
Total procedural failure (mechanical dilator sheath and rescue methods)		1 (3.4)	1 (7.1)	0 (0.0)	0.464
Major complication		7 (2.3)	2 (1.2)	5 (3.8)	0.247
	Intracranial haemorrhage and death	1 (0.33)	1 (0.6)	0 (0.0)	0.286
	Haemothorax and death	1 (0.33)	0 (0.0)	1 (0.76)	1.000
	Massive pericardial effusion	1 (0.33)	1 (0.6)	0 (0.0)	0.286
	Vascular laceration, cardiac	3 (1.0)	0 (0.0)	3 (2.3)	0.429

	arrest				
	Cerebrovascular accident	1 (0.33)	0 (0.0)	1 (0.76)	1.000
Minor complication		28 (9.3)	14 (8.2)	14 (10.5)	0.505
	Haematoma	17 (5.6)	7 (4.1)	10 (7.5)	0.246
	Pericardial effusion	5 (1.66)	5 (2.9)	0 (0.0)	0.041
	Pneumothorax	1 (0.33)	1 (0.6)	0 (0.0)	1.000
	Vascular repair at femoral venous entry site	2 (0.66)	1 (0.6)	1 (0.75)	1.000
	Pulmonary contusion	1 (0.33)	0 (0.0)	1 (0.75)	1.000
	SVC thrombosis	1 (0.33)	0 (0.0)	1 (0.75)	1.000
	Worsening tricuspid valve function	1 (0.33)	0 (0.0)	1 (0.75)	1.000
Total number of complications		35 (11.6)	16 (9.4)	19 (14.2)	0.097
Complication time					1.000
	Intra-procedural	9 (25.7)	4 (25)	5 (26.3)	
	Early-post procedural	25 (71.4)	12 (75)	13 (68.4)	
	Late-post procedural	1 (2.9)	0 (0.0)	1 (5.2)	
Temporary transvenous pacing		69 (22.8)	47 (27.8)	22 (16.5)	0.021
Re-implantation		216 (71.5)	118 (69.8)	98 (73.7)	0.460
Haematoma requiring intervention		2 (0.6)	1 (0.6)	1 (0.75)	
Δ haemoglobin change in haematoma group (g/dl)		-0.97±0.80	-0.91±0.86	-1.01±0.80	0.915
Hospitalization duration (day)	Min-Max (Median)	1-50 (5)	1-50 (5)	1-44 (6)	0.644
	Mean±SD	8.99±9.31	8.8±9.53	9.24±9.05	
Follow-up duration (month)	Min-Max (Median)	0.2-117.5 (36.6)	0.2-63.5 (25.8)	0.6-117.5 (74.6)	0.001
	Mean±SD	48.32±31.57	26.80±13.52	75.66±26.33	