

E-Table 1: Patient Clinical and Demographic Characteristics for Re-expansion Pulmonary Edema (REPE) Cases. End Stage Liver Disease (ESLD).

Case Number*	Reason for Thoracentesis	Age (years)	Gender (0 male)	BMI	Volume (mL)
1	ESLD	35	0	26.68	700
2	Post Cardiac Surgery	54	1	22.69	1000
3	Metastatic Lung Cancer	49	1	19.14	1100
4	Metastatic Pancreatic Cancer	81	1	19.62	1500
5	Nephrotic syndrome	76	0	22.43	1600
6	ESLD/bacterial endocarditis	34	0	25.77	1800
7	s/p lung transplant	76	0	19.35	1800
8	ESLD	43	1	19.74	2200
9	ESLD	53	1	30.13	3200
10	Congestive Heart Failure	35	0	18.50	3300
Average (SD)		53.6 (18.15)	50% male	22.40 (3.94)	1820 (871.52)

***No patients died as result of REPE.**

E-Table 2: Patient Clinical and Demographics Characteristics for Hemothorax and Bleeding/Hematoma Cases.

Date of Procedure	Age (years)	Gender (0 male)	BMI	Prothrombin Time	Partial Thromboplastin Time	Platelets (u/L)
1	76	0	21.26	1.5	30	236
2	83	0	22.88	1.3	29	106
3	82	0	22.30	1.4	30	416
4	81	1	22.21	1.3	35	134
5	88	1	27.62	1.1	24	87
6	90	1	20.70	1.5	73	174
7	56	0	25.99	2.1	44	73
8	83	1	33.17	1.5	39	367
9	29	0	20.54	1.2	40	917
10	54	0	27.19	1.4	52	118
11	84	0	20.38	1.3	33	325
12	79	1	19.05	1.4	77	91
13	71	1	20.67	1.2	97	462
14	46	0	21.55	1.2	74	138
15	40	1	25.90	1.9	52	285
16	94	1	20.02	1.1	30	64
17	64	1	19.33	3.9	44	281
Average (SD)	70.59 (19.13)	47.1% male	22.99 (3.77)	1.57 (0.68)	47.24 (20.98)	209.81 (130.66)