

Supplemental Table 1. Echocardiographic Assessments of Patients Treated with Low-Dose Alteplase for Submassive Pulmonary Embolism

Case	Timing of First Dose of tPA ^a	Timing of TTE	Septal Motion	Qualitative RV Dilation	RV Basal Diameter ^b (mm)	Qualitative RV Function	Tricuspid Valve Peak Systolic Velocity ^b (mm/s)	TAPSE ^b (mm)	IVC Diameter ^b (mm)	Qualitative RA Dilation	RA Volume Index ^b (ml/m2)	Estimated RAP (mmHg)	Estimated RVSP (mmHg)	Systolic BP (mmHg)
1	day 0	day 0	Flattened	Severe	61	Abnormal	- ^d	-	20	Moderate	51	5	55	113
2	day 1	day 0	Flattened	Moderate	47	Abnormal	-	-	25	Moderate	46	15	52	
		day 2	Flattened	Mild	43	Abnormal	12	-	25	Moderate	38	15	50	126
		day 3	Flattened	Mild	42	Abnormal	-	-	26	Moderate	36	15	51	106
		day 6	Normal	Normal	38	Abnormal	-	-	24	Moderate	37	10	44	141
		day 13	Normal	Normal	37	Normal	15	22	23	Mild	33	10	40	
3	day 1	day 1	Normal	Mild	-	Normal	-	-	-	-	-	-	36 ^c	113
4	day 5	day 1	Flattened	Severe	45	Abnormal	11	16	25	Moderate	48	20	101	115
		day 5	Flattened	Moderate	42	Normal	17	18	24	Moderate	46	20	98	107
		day 6	Flattened	Moderate	44	Normal	15	20	23	Moderate	45	20	97	99
		day 7	Flattened	Moderate	44	Normal	10	18	25	Mild	32	20	102	104
		day 8	Flattened	Moderate	41	Normal	11	17	22	Mild	34	20	93	104
		day 12	Flattened	Mild	42	Normal	12	22	14	Normal	25	5	48	96
5	day 0	day 0 am	-	Moderate	-	Abnormal	-	-	25	-	-	20	-	110
		day 0 pm	Flattened	Moderate	-	Abnormal	-	-	18	Mild	-	10	-	136
		day 1	Normal	Moderate	45	Abnormal	9	-	20	Mild	29	5	-	105
6	day 1	day 0	Flattened	Severe	54	Abnormal	-	-	19	Moderate	37	5	60	115
		day 8	Normal	Moderate	42	Abnormal	11	17	8	Normal	22	5	32	126
7	day 1	day -1	Flattened	Severe	55	Normal	10	18	25	Moderate	52	10	95	125
		day 0	Flattened	Severe	55	Normal	8	21	23	Moderate	55	15	104	130
		day 1	Flattened	Severe	50	Abnormal	15	25	27	Moderate	56	20	106	97
		day 2	Flattened	Severe	51	Abnormal	15	21	27	Moderate	45	20	89	98
		day 3	Flattened	Moderate	48	Normal	19	23	25	Moderate	51	15	87	82
		day 4	Flattened	Moderate	-	Normal	15	24	25	Moderate	49	15	80	112
		day 14	Flattened	Moderate	50	Normal	14	28	21	Mild	42	15	81	116
8	day 0	day -1	Flattened	Moderate	51	Abnormal	14	15	28	-	26	20	60	84
		day 0	Flattened	Moderate	52	Abnormal	12	16	22	-	31	20	54	110
		day 1	Flattened	Mild	46	Abnormal	13	16	23	-	30	20	54	110
9	day 0	day 0	Flattened	Mild	44	Abnormal	11	12	13	Normal	13	5	50	121
		day 1	Flattened	Mild	42	Abnormal	9	12	14	Normal	19	5	40	130
		day 3	Normal	Mild	44	Normal	11	24	-	Normal	16	-	34 ^c	106
		day 5	Normal	Mild	42	Normal	11	21	-	Normal	-	-	39 ^c	133

Abbreviations: TTE, transthoracic echocardiogram; RV, right ventricle; TAPSE, tricuspid annular plane systolic excursion; IVC, inferior vena cava; RA, right atrium; RAP, right atrial pressure; RVSP, right ventricular systolic pressure

^aDay 0 is the day PE was diagnosed

^bNormalRV basal diameter is ≤ 41 mm; normal tricuspid valve peak systolic velocity is ≥ 9.5 mm/s; normal TAPSE is ≥ 17 mm; normal IVC diameter is ≤ 21 mm; normal RA volume index is ≤ 39 ml/m² for males and ≤ 32 ml/m² for females

^cRVSP calculated using estimated RA pressure of 5 mmHg

^d"-" indicates data not available for measurement