



Figure S1 Relative expression of exosomal miR-182-5p among all types of BPE. (A) Relative expression of exosomal miR-182-5p using snRNA U6 as an internal reference in TPE, PPE, CHF and others; (B) relative expression of exosomal miR-182-5p using cel-miRNA-39 as an internal reference in TPE, PPE, CHF and others. BPE, benign pleural effusion; CHF, congestive heart failure; PPE, parapneumonic pleural effusion; TPE, tuberculous pleural effusion.

Table S1 KEGG enrichment analysis of the target genes of differentially expressed miRNAs

Pathway term	Rich factor	Q value	Gene number
Lysosome	0.79	0.91	96
Adrenergic signaling in cardiomyocytes	0.70	0.91	105
Cholinergic synapse	0.71	0.91	80
Oxytocin signaling pathway	0.67	0.91	107
Synaptic vesicle cycle	0.75	0.91	47
Fatty acid degradation	0.77	0.91	34
Endocrine and other factor-regulated calcium reabsorption	0.75	0.91	36
Hepatitis C	0.66	0.91	88
Glycolysis/gluconeogenesis	0.71	0.91	47
Tight junction	0.66	0.91	88
Thyroid hormone signaling pathway	0.66	0.91	79
Endometrial cancer	0.73	0.91	38
Carbon metabolism	0.67	0.91	71
HCM	0.69	0.91	57
Acute myeloid leukemia	0.72	0.91	41
Tyrosine metabolism	0.77	0.91	27
Non-small cell lung cancer	0.71	0.91	40
Biosynthesis of amino acids	0.69	0.91	51
ARVC	0.69	0.91	51
MAPK signaling pathway	0.62	0.91	159

ARVC, arrhythmogenic right ventricular cardiomyopathy; HCM, hypertrophic cardiomyopathy; KEGG, Kyoto Encyclopedia of Genes and Genomes.

Table S2 The clinical characteristics between participants enrolled and excluded

Index	Excluded (n=32)	Enrolled (n=121)	P
Sex, n (%)			>0.99
Female	11 (34)	41 (34)	
Male	21 (66)	80 (66)	
Age, years	72 (64, 81)	72 (65, 79)	0.720
Leukocyte, 10 ⁶ /mL	779 (292, 1648)	846 (472, 1662)	0.567
LDH, U/L	192 (123, 459)	212 (130, 405)	0.943
Protein, g/L	32 (20, 41)	35 (23, 43)	0.250
Glucose, mmol/L	5.5 (4.5, 6.9)	5.8 (4.6, 6.6)	0.880
ADA, U/L	8 (6, 15)	9 (5, 17)	0.686

Continuous data were expressed as median (quartile range) and compared using the Mann-Whitney *U* test. The categorical variables were compared using the Chi-squared test. ADA, adenosine deaminase; LDH, lactate dehydrogenase.