Supplementary file 1

microRNAs shuttled by mesenchymal stromal cell-derived exosomes in coronary artery disease: A systematic review of preclinical studies

Soroush Mostafavi[1], Amin Arasteh[2,3], Seyedeh Mina Mostafavi Montazeri[3], Seyyedeh Mina Hejazian[2,4], Farahnoosh Farnood[4], Sima Abediazar[4], Abolfazl Barzegari[5,6,7*], Sepideh Zununi Vahed[4*]

[1]Department of Cardiology, Hazrat-e-Rasool General Hospital, School of Medicine, Iran University of Medical Sciences (IUMS), Tehran, Iran

[2]Student Research Committee, Tabriz University of Medical Sciences, Tabriz, Iran

[3]Clinical Research Development Center of Loghman Hakim Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran

[4]Kidney Research Center, Tabriz University of Medical Sciences, Tabriz, Iran

[5]Department of Medical Biotechnology, Faculty of Advanced Medical Sciences, Tabriz University of Medical Sciences, Tabriz, Iran

[6]Research Center for Pharmaceutical Nanotechnology (RCPN), Tabriz University of Medical Sciences, Tabriz, Iran

[7]Université Sorbonne Paris Nord, INSERM U1148, Laboratory for Vascular Translational Science, Nanotechnologies for Vascular Medicine and Imaging Team, 99 Av. Jean-Baptiste Clément 93430 Villetaneuse, France

Table S1: Database and Search Strategies

Database	Search strategy
Scopus	(TITLE-ABS (micrornas OR mirnas OR non-coding AND rna OR "mir-" OR mirna- OR "Microrna-")) AND (TITLE-ABS ("Mesenchymal Stem Cells" OR "Mesenchymal stem cell" OR "Stromal cell" OR "Stem cell" OR "mesenchymal stromal cell" OR "Medicinal signaling cells")) AND (TITLE-ABS (exosomes OR exosomal OR "Extracellular vesicles" OR microparticle OR microvesicle OR microparticle OR nanovesicle OR macrovesicle OR nanoparticle OR "syncytial nuclear aggregate" OR "shedding vesicle" OR "membrane vesicle" OR "budding vesicle" OR "blebbing vesicle" OR "extracellular body" OR exovesicle)) AND (TITLE-ABS ("Cardiovascular disease" OR "Myocardial Infarction" OR "Heart Failure" OR hypertension OR myocarditis OR arrhythmia OR cardiovascular OR "ischemic heart" OR atherosclerosis OR "Vascular calcification" OR "myocardial ischemia-reperfusion injury (IRI)" OR "acute coronary syndrome" OR mi))
PubMed	**(**MicroRNAs[mh] OR miRNAs[tiab] OR non-coding RNA[tiab] OR "mir-"[tiab] OR Mirna-[tiab] OR"Microrna-"[tiab]) AND (Exosomes[mh] OR Exosomal[tiab] OR "Extracellular vesicles"[tiab] OR microparticle[tiab] OR microvesicle[tiab] OR microparticle[tiab] OR nanovesicle[tiab] OR macrovesicle[tiab] OR nanoparticle[tiab] OR "syncytial nuclear aggregate"[tiab:~0] OR "shedding vesicle"[tiab] OR "membrane vesicle"[tiab] OR "budding vesicle"[tiab] OR "blebbing vesicle"[tiab:~0] OR "extracellular body"[tiab] OR exovesicle[tiab]) AND ("Mesenchymal Stem Cells"[mh] OR "Mesenchymal stem cell"[tiab] OR "Stromal cell"[tiab] OR "Stem cell"[tiab] OR "mesenchymal stromal cell"[tiab] OR "Medicinal signaling cells"[tiab]) AND (Cardiovascular disease[mh] OR

	"Myocardial Infarction"[tiab] OR "Heart Failure"[tiab] OR Hypertension[tiab] OR Myocarditis[tiab] OR Arrhythmia[tiab] OR cardiovascular[tiab] OR "ischemic heart"[tiab] OR Atherosclerosis[tiab] OR "Vascular calcification"[tiab] OR "myocardial ischemia-reperfusion injury (IRI)"[tiab] OR "acute coronary syndrome"[tiab] OR MI[tiab])
Web of Science	TS=(”Cardiovascular disease” OR ”Myocardial Infarction” OR ”Heart Failure” OR Hypertension OR Myocarditis OR Arrhythmia OR cardiovascular OR "ischemic heart" OR Atherosclerosis OR “Vascular calcification” OR “myocardial ischemia-reperfusion injury (IRI)” OR “acute coronary syndrome” OR MI) TS=(”Mesenchymal Stem Cells” OR ”Mesenchymal stem cell” OR ”Stromal cell” OR ”Stem cell” OR “mesenchymal stromal cell” OR “Medicinal signaling cells”) TS=(Exosomes OR Exosomal OR “Extracellular vesicles” OR microparticle OR microvesicle OR microparticle OR nanovesicle OR macrovesicle OR nanoparticle OR ”syncytial nuclear aggregate” OR ”shedding vesicle” OR ”membrane vesicle” OR ”budding vesicle” OR ”blebbing vesicle” OR ”extracellular body” OR exovesicle) TS=(MicroRNAs OR miRNAs OR non-coding RNA OR “mir-“ OR Mirna- OR“Microrna-“)