



Job of Extracellular Vesicles in Substance Misuse and HIV-Related Neurological Pathologies

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INTRODUCTION

Extracellular Vesicles (EVs) are a widespread and heterogeneous class of membranous lipid bilayer vesicles that function in intercellular correspondence throughout the body. EVs are important transporters of different types of cargoes, including proteins, lipids and a range of small non-coding RNAs, including DNA, miRNAs, mRNAs and siRNAs, in the amelioration of addiction and other neurological pathologies.

DESCRIPTION

Neurological Pathologies play an important role in this is especially true for those living with HIV. This review summarizes EV findings focused on methamphetamine (METH), cocaine, nicotine, narcotic, and alcohol use, including large amounts of EVs that may increase cravings. Furthermore, as HIV and drug abuse often co-exist, we examine the role of electric vehicles at the interface between drug abuse and HIV. Taken together, the studies presented in this comprehensive survey shed light on the potential role of electric vehicles in substance use and exacerbation of HIV. As a topic of growing interest, EVs may continue to provide data on the constituents and etiology of substance use problems and CNS pathologies, and may facilitate investigation of possible therapeutics.

Extracellular vesicles (EVs) are a widespread and heterogeneous class of membranous lipid bilayer vesicles that function in intercellular correspondence throughout the body. These cargo transporters, released from all types of cells, have become a major research focus in various research fields due to their potential roles in disease pathology, drug delivery systems and therapeutics. For the ultimate goal of this study, each of the three classes of EVs, exosomes (30 nm-150 nm), microvesicles (100 nm-500 nm), and apoptotic bodies (500 nm-5000 nm), will be collectively referred to as EVs. Supported by the World Extracellular Vesicle Association. Electric vehicles trans-

port different types of cargo, including proteins, lipids, DNA fragments, and a variety of small noncoding RNAs, including miRNAs, mRNAs, and siRNAs. Elements within EVs are aware of the intracellular state of host cells, and EVs are released from both healthy and diseased cells. Electric vehicles can transport these charges from public battery to public battery, thus creating a practical change within the public battery. Even though specific upgrades and cell conditions help trigger EV emissions from different cell types, EV emissions research remains a viable research area.

EVs play a role in many aspects of body physiology, including resistance responses, undifferentiated cellular associations during early transplantation, and locomotion. EVs also transport basic biomolecules between cells that are important for cell-to-cell correspondence, antigen presentation, and signal transduction. In addition, EVs derived from mesenchymal immature microorganisms are profitable in the areas of tissue fixation, stimulation, cancer therapy and stroke. Moreover, there is undeniable evidence that EVs are a potential mechanism for drug delivery [indeed, genetically engineered EVs commonly cross the blood-cerebral (BBB) barrier, which is a barrier to effective drug delivery to the brain can.

Local sensory system 'CNS' Cells such as neurons, microglia, astrocytes, oligodendrocytes, cerebral ependymal cells and endothelial cells are mediated by releasing EVs containing debilitating atoms. EVs assist in signaling between neurons and glial cells and correspondence between the CNS and peripheral scaffolds [1-4].

CONCLUSION

EVs maintain cellular homeostasis and reveal an odd total. However, they also contribute to pathogenesis by transporting toxic substances into healthy cells, causing exacerbation and neurodegeneration, thereby promoting CNS-related neurode-

Received:	31-May-2023	Manuscript No:	DIDNA-22-16840
Editor assigned:	02-June-2023	PreQC No:	DIDNA-22-16840 (PQ)
Reviewed:	16-June-2023	QC No:	DIDNA-22-16840
Revised:	21-June-2023	Manuscript No:	DIDNA-22-16840 (R)
Published:	28-June-2023	DOI:	10.36648/DIDNA 4.2.20

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Citation Chand S (2022) Job of Extracellular Vesicles in Substance Misuse and HIV-Related Neurological Pathologies. Drug Intox Detox: Novel Approaches. 4:20.

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generative problems. These CNS problems include lysosomal storage problems, Parkinson's disease (PD), Alzheimer's disease (accelerated), Huntington's disease, amyotrophic lateral sclerosis, epilepsy, and multiple sclerosis.

ACKNOWLEDGEMENT

None.

CONFLICT OF INTEREST

The author's declared that they have no conflict of interest.

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