

Reference Library

Exosomes in Multiple Sclerosis

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1. *Blonda M, Amoruso A, Martino T, Avolio C. New Insights Into Immune Cell-Derived Extracellular Vesicles in Multiple Sclerosis. Front Neurol. 2018 Aug 13;9:604. doi: 10.3389/fneur.2018.00604. eCollection 2018. Review. PubMed PMID: 30150969; PubMed Central PMCID: PMC6099084.*

“Very recently, a nanoplasmonic approach has confirmed that a significant increase in plasmatic EVs distinguishes CIS and MS patients from controls (33).”

“Ebrahimkhani et al. (66), using NGS, have also identified differentially expressed exosomal miRNAs extracted from sera samples in both RRSM and progressive MS patients compared to healthy donors. Indeed, they report dysregulated miRNA that can reasonably distinguish RRSM or SPMS and PPMS patients from healthy controls. It is worth noting that they identified nine miRNA that may help to discriminate between the stages of the disease, providing a useful tool in assisting the determination of the transition from RRMS to SPMS.”