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Role of mir-149 in severity of the CMT1A disorder in context of onset and FDS

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The neuromuscular disorder is a broad term that can include many diseases which can directly or indirectly disturb the normal functioning of the neve, or neuromuscular junctions which ultimately disrupts the voluntary of the muscles. The disorders give the wide range of symptoms depending upon the pathways involved. Up til now there is no cure however there are some pain management therapies. One of the most prevalent neuromuscular disorder is Charcot-Marie –Tooth disease. Its a heterogeneous disorder. CMT 1A is primarily caused by PMP22 duplication or deletion. A large number of patients suffering from CMT1A was sequenced for its duplication or deletion tests. It was found that the patients having duplication also showed the variety of phenotypes ranging from the early onset with severe phenotype and late to mild symptoms. Later the samples were analyzed for epigenetic analysis. And we found some interesting results. We found that mir-149 was associated with severity of the CMT1A disorder. YoungSe Hyun, SunWhaPark, HeasooKoo, JeongHyunYoo, Jae WonHyun, Kee Duk Park, Kyoung-Gyu Choi and KiWhaChung. (2011). MPZ mutation in an early-onset Charcot-Marie-Tooth disease type 1B family by genome-wide linkage analysis. International journal of molecular medicine. 28: 389- 396 (I.F. 1.814).

Biography

Sumaira Kanwal has completed her PhD at the age of 27 years from Kongju National University Korea and postdoctoral studies from Samsung Medical center. After getting her degree she is working as a faculty member in COMSATS Institute of information technology (One of the leading University of Pakistan). She has published more than 25 papers in reputed journals and has been serving as an editorial board member of various journals. Her main field of interest is Neurology and neuromuscular disorders.

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