



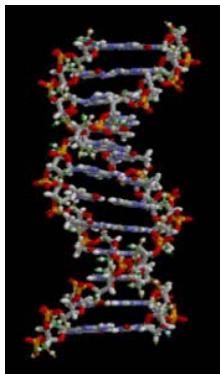
## PARKINSON'S DISEASE NEWS

<http://www.viartis.net/parkinsons.disease/news.htm>

15th June 2018 - New research

### LRP10 - A NEW GENETIC FORM OF PARKINSON'S DISEASE

A new genetic form of Parkinson's Disease has been discovered called LRP10. A small proportion of cases of Parkinson's Disease have a genetic cause. Most of them make Parkinson's Disease more likely rather than inevitable. Genetic disorders normally occur due to inheritance, either autosomal recessive (from both parents) or autosomal dominant (from one parent), but can arise spontaneously. Having relatives with Parkinson's Disease does not mean that it has been inherited, because relatives can have similar environmental factors. For more concerning genetic causes go to <http://viartis.net/parkinsons.disease/genetic.causes.htm>



The gene, which is called LRP10, is on Chromosome 14. The type of inheritance is unknown. This genetic form of Parkinson's Disease was found in Italian individuals and somebody from Taiwan but that does not mean that other nationalities are not affected. Of those people that had rare and potentially pathogenic variants, four of them had Parkinson's Disease, two of them had Parkinson's Disease with dementia, and two of them had Parkinson's Disease with dementia and Lewy bodies. The findings implicate LRP10 gene defects in the development of inherited forms of  $\alpha$ -synucleinopathies. Being newly discovered there are no genetic tests for LRP10.

Reference : Lancet Neurology [2018] Jun 6 [Epub ahead of print] (M.Quadri, W. Mandemakers, M.M.Grochowska, R.Masius, H.Geut, E.Fabrizio, G.J.Breedveld, D. Kuipers, M.Minneboo, L.J.M.Vergouw, A.Carreras Mascaró, E.Yonova-Doing, E.Simons, T.Zhao)  
Complete abstract : <http://www.ncbi.nlm.nih.gov/pubmed/29887161>

<http://www.viartis.net/parkinsons.disease/news/180615.pdf>  
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