# Article information:

Risk factors of levodopa-induced dyskinesia in Parkinson’s disease: results from the PPMI cohort - PMC  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6240081/>

# Article summary:

1. Levodopa-induced dyskinesias (LID) negatively impact the quality of life of patients with Parkinson’s disease (PD).

2. Risk factors for LID development in de novo PD patients include female gender, severity of motor and functional impairment, non-tremor dominant clinical phenotype, genetic risk score, anxiety, and marked caudate asymmetric pattern at DaTscan at baseline.

3. The Parkinson’s Progression Markers Initiative (PPMI) is a large-scale international prospective observational study designed to identify markers of disease progression in de novo PD patients.

# Article rating:

Appears moderately imbalanced: The article provides some useful information, but is missing several important points or pieces of evidence that would be required to present the discussed topics in a balanced and reliable way. You are encouraged to seek a more balanced perspective on the presented issues by exploring the provided research topics and looking at different information sources.

# Article analysis:

该文章是一项研究，旨在评估帕金森病患者发生左旋多巴引起的运动障碍（LID）的风险因素。然而，该文章存在一些偏见和缺失的考虑点。

首先，该研究只针对PPMI队列中的患者进行了回顾性分析，这可能导致选择偏差。此外，该研究没有考虑其他可能影响LID发生的因素，如非药物治疗、饮食和环境因素等。

其次，在结果部分中，作者提到女性、功能不完全独立、MDS-UPDRS第III部分得分高、姿势不稳定步态障碍或中间表型、DaTscan尾状核不对称指数高、多基因遗传风险评分高以及焦虑情绪是LID发生的预测因素。然而，这些结果并没有得到充分证明，并且有些结论与之前的研究结果相反。

此外，在讨论部分中，作者提到了一些限制和未来方向。但是，他们没有探讨其他可能解释他们所观察到的结果的原因。例如，在DaTscan尾状核不对称指数方面，作者没有考虑其他可能影响该指数的因素，如年龄、性别和疾病持续时间等。

最后，该文章没有平等地呈现双方。作者只关注了LID的风险因素，而没有探讨如何预防或治疗LID。此外，他们没有提到任何可能存在的副作用或风险。

总之，该文章存在一些偏见和缺失的考虑点，并且需要更多的研究来证实其结论。

# Topics for further research:

* Selection bias
* Other factors influencing LID occurrence
* Lack of sufficient evidence for the predictive factors
* Failure to explore alternative explanations for the observed results
* Lack of discussion on prevention or treatment of LID
* Absence of mention of potential side effects or risks.

# Report location:

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