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# Cerebrospinal fluid NFL in the differential diagnosis of parkinsonian disorders: a meta-analysis

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Fangfang Ge and Jiaqi Ding contributed equally to the manuscript.

## Research highlights

- The CSF NFL levels in APD were significantly elevated relative to PD and healthy controls.
- The CSF NFL level can differentiate APD from PD with high sensitivity, specificity and diagnostic accuracy at an early stage of disease.
- Prospective study design, and duration and severity of the disease may affect test performance.
- Large and longitudinal studies are still needed on individuals who are suspected to have APD.

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