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Perspectives in the investigation of Cockayne syndrome group B neurological disease: the utility of patient-derived brain organoid models

Key words: Cockayne syndrome, CSB, Neurological function, Cerebellum, Organoids

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Research Summary

This review mainly focused on the Cockayne syndrome group B neurological disorders, and summarized the research progress in the following aspects:

- **CSB protein structure and localization**
- **Genetic variants of Cockayne syndrome group B**
- **CSB neurological functions**
- **Research / experimental models of Cockayne Syndrome Group B**

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Innovation points

- **Introduction** **of CSB protein structure, distribution and variations.**

- **Summary** **of the updated research progress about CSB protein neurological functions and research models of Cockayne syndrome group B.**

- **Emphasis** **on the application of patient-derived brain organoids in the investigation of Cockayne syndrome neurological diseases.**

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