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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

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**

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.