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GenomeCanada

Stratifying and Targeting Pediatric Medulloblastoma Through Genomics

Integrated GE³LS Project

Functional Outcomes and Trading-off Chance of Cure for an Improved Quality of Life

Genome Centre

Genome British Columbia & Ontario Genomics Institute

Project Leaders

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Project Description

The GE³LS research team is working with families and physicians to determine what additional risks they are willing to assume in reducing therapy to improve quality of life

Researchers will examine parents' and health professionals' preferences regarding treatment intensity, chance of survival, and the psychological and economic costs associated with survival. Experiment will be used to determine if, and to what extent parents and clinicians would be willing to accept a reduction in the probability of a cure in return for a chance of a better quality of life.

Economic methods will be used to determine the proper balance between increased risks of tumor recurrence versus increased quality of life after therapy de-escalation as a guide to develop the next generation of clinical trials for children with medulloblastoma.