

国立スポーツ科学センター（JISS） オプトアウトにより実施する研究

研究課題名	Analysis of Start Times in Para Alpine Skiing
倫理審査委員会承認番号	2026-010
研究開始日	6/29/2026
研究終了日	3/31/2027
研究目的	This study aims to quantify start-time differences among sit-ski para alpine skiers using World Cup video analysis and to clarify how the start phase affects race performance.
研究対象者	Participants were 11 male and 1 female sit-ski category athletes who competed in the Para Alpine Skiing Sapporo World Cup, held from February 10 to 15, 2024, including one GS race and three SL races.
研究概要	This study targets athletes in the sit-ski category who competed in the Para Alpine Skiing Sapporo World Cup held from February 10 to 15, 2024. For data collection, the start phase of each race, from immediately before the start to passing the first gate, was video-recorded with permission from the event organizer. For data analysis, the recorded videos will be used to count the number of frames from the moment the start gate opened until the athlete passed the first gate. Start times will then be calculated based on the frame rate of the videos. Time analysis using video footage has already been applied in several sports, including swimming. Therefore, this method is considered scientifically reasonable because it enables objective evaluation of time.
研究に用いる情報の種類	Age, sex, event name, classification category, race time, start time, and race video.
研究の資金源	Functional Development Project for Resilient Athlete Support ※ commissioned by Japan Sports Agency
研究に係る利益相反及び個人の収益	There are no conflicts of interest or personal financial benefits related to this study.
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