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The man who lost his body: Suboptimal multisensory integration yields body awareness problems after a right temporoparietal brain tumour.

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Reports on patients who lack ownership over their entire body are extremely rare. Here, we present patient SA who suffered from complete body disownership after a tumour resection in the right temporoparietal cortex. Neuropsychological assessment disclosed selective bilateral ownership problems, despite intact primary visual and somatosensory senses. SA's disownership seems to stem from a suboptimal multimodal integration, as shown by the rubber hand illusion and the beneficial effect during and after simple exercises aiming at multisensory recalibration.

KEYWORDS: affective touch; bilateral ownership problems; body ownership; body representation; rubber hand illusion

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