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Title: Sway regularity and sway activity in older adults' upright stance are differentially affected by dual task

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**Sway regularity and sway activity in older adults' upright stance are differentially affected by dual task**

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**Research highlights**

- Dual-task effects on sway regularity and sway activity were examined in older adults.
- Sway entropy and sway activity were positively related under dual-task conditions.
- Increased sway activity in dual task was associated with increased sway irregularity.
- Postural stability is determined by ability to allocate attention to balance task.

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