**Supplementary Material 14.** Definitions of severity degree in balance disorders

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| Grade | Definitions |
| 3 | Loss of bilateral vestibular function  and unable to stand up with both eyes open or collapses while walking 10 m in a straight line with both eyes open  and unable to perform any ordinary activity other than self-care without assistance from others |
| 4 | Decrease in bilateral vestibular function  and stopping halfway to balance while walking 10 m in a straight line with both eyes open  and only able to take care of oneself, walk, and perform simple activities |
| 5 | Decrease in bilateral or unilateral vestibular function  and moving more than 60 cm from center while walking 10 meters in a straight line with both eyes open  and unable to perform complex activities |

If clinically unavoidable, diagnosis of balance disorders can be made by walking 6 m.