**Supplementary Material**

**Global Clinical Dementia Rating Score of 0.5 May Not Be an Accurate Criterion to Identify Individuals with Mild Cognitive Impairment**

**Supplementary Figure 1.** Three-dimensional distance (TDD). Domain A is for activities of daily living (ADL), domain B is for the behavioral and psychological symptoms of dementia (BPSD), and domain C is for cognitive function. The scores per patient (Domain A, Domain B, Domain C) are plotted on a three-dimensional coordinate plane. Arrows show examples of the TDD. CDR, Clinical Dementia Rating.

* CDR 3
* CDR 2
* CDR 1
* CDR 0/0.5

ADL

BPSD

Cognitive

This distance, referred to as the three-dimensional distance (TDD) score, is calculated as follows: TDD =$ \sqrt{(ADL score)^{2}+(BPSD score)^{2}+ (Cognitive function score)^{2}}$,

where ADL, BPSD, and cognitive function scores are defined to increase with symptomatic improvement and to decrease towards 0 with symptom deterioration.

**Supplementary Table 1.** Items of the ABC-DS

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| Item | Domain | Question |
| Q1 | Activities of daily living | Daily activities: When the patient changes his/her clothes, how is he/she? |
| Q2 | Motivation: How willingly does the patient undertake activities of daily life? |
| Q3 | Communication: When the patient wants to communicate with others, how easily can he/she do it?  |
| Q4 | Complex acts: When the patient wants to use electric appliances such as a TV or an air conditioner, how well can he/she do it? |
| Q5 | Cognitive function | Recent event memory: How well can the patient recall the place where he/she put his/her belongings? |
| Q6 | Recent event memory: How long can the patient remember daily happenings? |
| Q7 | Behavioral and psychological symptoms of dementia | Restlessness: When the patient is required to sit still, how is he/she? |
| Q8 | Irritability: When the patient feels something is unsatisfactory, how is he/she? |
| Q9 | Cooperativeness: When caregivers ask the patient something, how is he/she? |
| Q10 | Cognitive function | Medication: When the patient takes medication, how much help does he/she need? |
| Q11 | Activities of daily living | Meals: When the patient takes meals, how is he/she? |
| Q12 | Toilets: When the patient uses the toilet, how much help does he/she need? |
| Q13 | Cognitive function | Care-burden: How frequently should caregivers see to the patient? |