

## A NEW SIMPLE SCORE OF BEHAVIORAL & PSYCHOLOGICAL SYMPTOMS OF DEMENTIA (BPSD)

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**Introduction:** There are a number of clinical scores to measure cognitive impairment and behavioral and psychological symptoms of dementia (BPSD) for dementia patients.

**Objective:** Previous BPSD scores are well established, but they usually take long time. Furthermore they were made almost 20 years ago, and therefore may not even fit a current BPSD because affective expressions may change depending on modern society change.

**Aim:** To make a new and simple score which fits modern change of BPSD.

**Method:** Based on BPSD inquiry from 129 caregivers in local area (patients  $81.6 \pm 9.9$  years old and female 70.5%), a new and simple BPSD score was created, and compared to standard BPSD score NPI (neuropsychiatry inventory). Time was measured to complete this new BPSD score (ABS, Abe's BPSD score) and NPI. This ABS was examined before and after a choline esterase inhibitor treatment.

**Result:** We gave final scores to each BPSD items with such temporal frequencies taken into account ranging 0-9, and finalized a new BPSD score of score 0-44 between no BPSD to full BPSD. Average time to complete both NPI and ABS was  $308.9 \pm 86.3$  sec and  $46.5 \pm 16.2$  sec (\*\* $p < 0.01$ ), respectively. Galantamine showed an improvement of average ABS with  $-2.3 \pm 1.0$  (\* $p < 0.05$ ) from original score of  $6.1 \pm 6.6$  after 3 month of the treatment.

**Conclusion:** These data suggest that this new and simple BPSD score (ABS) may be beneficial to quickly evaluate BPSD before and after a treatment of dementia patients.