Scoring of Behavioural Dysfunction Questionnaire (BDQ)

All items are scored for their frequency or severity on a Likert-scale from 0 (none) to 5 (very often/very severe).

5 domain scores:

1. Score "Disinhibition" = Mean score of items 1.1 to 3.3
2. Score "Apathy" = Mean score of items 4.1 to 4.4
3. Score "Loss of empathy" = Mean score of items 5.1 to 7.3
4. Score "Perseverative behaviour" = Mean score of items 8.1 to 9.8
5. Score "Hyperorality" = Mean score of items 10.1 to 12

BDQ Global Score

BDQ Global Score = Mean score of the five domains' scores

Domain specific cut-offs (>99. percentile of healthy controls)

	Male	Female
Domain "Disinhibition"	> 0.8	> 0.7
Domain "Apathy"	> 2.3	> 1.0
Domain "Loss of empathy"	> 1.1	> 1.1
Domain "Perseverative behaviour"	> 1.0	> 0.7
Domain "Hyperorality"	> 2.0	> 1.3

Cut-offs are based on the sample of 413 cognitive healthy persons (m=197; f=216)

Cut-Offs between patients' groups

Behavioural variant frontotemporal dementia (bvFTD) vs. Alzheimer's disease dementia (ADD) (AUC=87%)

BDQ Global Score	< 0.6	0.6 – 1.4	> 1.4
Diagnosis	indicative for ADD	equivocal	indicative for bvFTD

Behavioural variant frontotemporal dementia (bvFTD) vs. major depressive disorder (MDD) (AUC=83%)

BDQ Global Score	<0.6	0.6 – 1.6	>1.6
Diagnosis	indicative for MDD	equivocal	indicative for bvFTD