**Table 1.** Demographic information on Patient 1 and Patient 2 before DBS surgery.

|  |  |  |
| --- | --- | --- |
|  | **Patient 1** | **Patient 2** |
| Age at DBS surgery, years | 57 | 52 |
| Sex | Male | Male |
| Education, years | 13 | 11 |
| Working status | Disability pension | Not employed |
| Age at depression onset, years | 33 | 20 |
| Primary diagnosis | MDD | MDD |
| Secondary diagnosis prior to intervention | GAD  History of substance use disorder (alcohol and benzodiazepines) | GAD |
| MDD duration, years | 24 | 32 |
| History of suicide attempt | Yes | Yes |
| Somatic disorders | Diabetes Mellitus type 2, sarcoidosis, thyrotoxicosis | Chronic pain |
| **Treatments for depression before DBS surgery** |  |  |
| Antidepressants (classes) | SSRI, SNRI, NASSA, TCA, MAOI | SSRI, SNRI, NASSA, TCA, NDRI |
| Augmentation therapy / other medications | Lithium, lamotrigine, benzodiazepines, pregabalin, gabapentin | Lamotrigine, quetiapine, benzodiazepines, pregabalin |
| ECT | Three trials | One trial |
| Other treatments | Psychotherapy, physiotherapy | Psychotherapy |

Note: DBS= Deep brain stimulation, MDD:=Major depressive disorder, GAD= Generalized anxiety disorder, SSRI= Selective serotonin reuptake inhibitors; SNRI= Serotonin-noradrenaline reuptake inhibitors; NASSA= Noradrenaline and specific serotonergic antidepressants; NDRI= norepinephrine–dopamine reuptake inhibitor, TCA= Tricyclic antidepressants; MAOI= Monoamine oxidase inhibitors, ECT= Electroconvulsive treatment.