

P02-208 - **COMPARE OF BIFRONTAL AND BITEMPORAL ELECTROCONVULSIVE THERAPY (SIDE EFFECTS AND HEMODYNAMIC CHANGES)**

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Background: ECT is an effective and unknown treatment in the psychiatric patients. The authors compared the clinical and cognitive effects of bifrontal electrode placement with standard bitemporal electrode placement in the treatment of patient with major depression disorder and bipolar mood disorder.

Method: Twenty -five patients with major depression disorder and Twenty-one patients with bipolar mood disorder were treated with a course of bifrontal or bitemporal ECT. The Beck Rating Scale for depression and the Yung test for bipolar and the standardized Mini-Mental State Examination were administered at baseline and repeated during the course of treatment (After 6th ECT & 1 month later).

Results: Forty-six of the 47 patients who completed the course of treatment met remission criteria by the 6th treatment. There were no differences between the patient given bifrontal ECT and those given bitemporal ECT in the number of treatment required to reach remission criteria. The standardized Mini-Mental State score of the patient given bitemporal ECT was similar to those of the patient given bifrontal ECT. The result of Yung test and Beck test was similar in two BT&BF groups.

Conclusion: Bifrontal electrode placement was as efficacious as bitemporal electrode placement and resulted the same cognitive impairment. A study of the two placements with more cognitive measures is indicated.

Keyword: Bitemporal, bifrontal, ECT