

Platelet 5-HT₂ receptor binding in depression and the effects of treatment

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Platelet 5-HT₂ receptor binding was investigated in a group of depressive patients and a group of normal controls. Depressive patients were also investigated after treatment with placebo, antidepressants and ECT. For K_d, depressive patients except for the group who received placebo had significantly lower values than controls at baseline and significantly lower post-treatment values than normal controls except for those who received antidepressant medication. B_{max} values were also significantly lower in depressive patients than control subjects both at baseline and post-treatment. All treatment groups experienced a significant reduction in symptoms following treatment except for the placebo group. K_d values were significantly greater after treatment with ECT and antidepressants compared to baseline values. Post-treatment B_{max} values not different from baseline values for all treatment groups