

## C345358 : MAJOR MENTAL HEALTH

KEY WORD: :MMECT / ELECTRICAL DOSAGE / ADEQUATE SEIZURE

CHALITSUDA PADSASILP : ELECTRICAL DOSAGE INDUCING AN ADEQUATE SEIZURE IN MULTIPLE MONITORED ELECTROCONVULSIVE THERAPY.

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The purpose of this study was to obtain the appropriate electrical dosage inducing an adequate seizure in multiple monitored electroconvulsive therapy (MMECT) in patients at Chulalongkorn Hospital. The subjects consisted of 78 men and 82 women, the youngest was 17 and the oldest was 70 with the average of 34 years old.

The results revealed that the mean electrical dosage inducing an adequate seizure was 24.30 Joules with the range of 8 to 47 Joules. Therefore, the electrical dosage should be carefully adjusted for each individual patient. Furthermore, the mean of the electrical dosage was significantly higher in women than in men. However there was no significant difference among age group.