ABSTRACT

Preeclampsia in pregnancy can make embryo death, the placenta breaks and the growth is impaired. Woman is diagnosed of preeclampsia in a pregnancy if the blood pressure increases more than normal. Systolic pressure increases >30 mmHg and diastolic pressure increases > 15 mmHg. The aim of this research was to analyze the effect of brainwave audio of dropping blood pressure in expectant mothers’ preeclampsia.

This research was experimental, pre-test – post-test Control Group Design, with Brainwave Audio’s intervention in pregnant women with preeclampsia. The sample was thirty-three pregnant women with preeclampsia. The data was collected by interview questionnaire and measurement of blood pressure with sphigmomanometer. Data was analyzed using Oneway Anova.

As a result, this research showed that the blood pressure means of systole/diastole was 166,18/112,45 mmHg before therapy and the blood pressure of systole/diastole was 156,73/106,73 mmHg after therapy for control group. The blood pressure of systole diastole was 157,55/102,27 mmHg before therapy and the blood pressure of systole/diastole was 137,36/89,09 mmHg after therapy for treatment group in once/day therapy. Blood pressure of systole/diastole 155,09/100,27 mmHg before therapy and blood pressure of systole/diastole was 130,91/89,00mmHg after therapy of treatment group twice/day therapy. The therapy of Brainwave audio had significant effect on blood pressure decrease in the district hospital Mojokerto.

It is expected that these results will be useful for science, the application of nursing in addition to medical therapy and for further research.

Keyword: Brainwave Audio, Preeclampsia, Blood pressure