

# Ability of Identity of Musical Pitch of the Human Brain

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**ABSTRACT.** The purpose of this study was to assess the memory of different musical pitch levels of the human brain. The randomly selected vocal music students were asked to sing two lines of their preferred song. The department of music of the University of Jaffna of the Sri Lankan Government was used as the setting for this study. The class rooms and the surroundings were kept silence and also kept without any interruption from any pitch generating musical instrument. The students who were on their final year Bachelor of Fine Arts (Vocal music), were recruited for the study. Their vocals were recorded with a digital recorder and measured with an automatic chromatic tuner to find out the pitch level of the each student, while they sung in the each 5 class rooms. There were 40 recordings taken for analysis. Music therapy is an effective nursing intervention in decreasing anxiety, depression. But, the research in therapeutic music is still going on worldwide, to find out how music therapy works. According to the findings of this research, the musical pitch and the therapeutic music had no relationship, because the different musical pitch levels were not memorable or not identical by the human brain. In Sri Lanka, the implementation of music therapy in the government hospitals will relieve the depressed public by the war, without any side effects and also without high expenses and without the importation of drugs. It will help for the post-war economic development of the nation.

**Key words:** Pitch, Music, Brain, Therapy, Hospital.

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