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The effect of hijamah (wet cupping) on increased number of cells macrophages as the immune system

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Macrophage cells are part of the cellular immune system commonly known to us. Macrophages produce excessive amounts of cytokines that macrophages are important effector cells in certain forms of immune in between by the cells. The general objective of this study was to prove the effect of Wet Cupping to increased macrophage cells as the immune system. This study classified quasy non random experimental design with pre test-post test design without control group that performed on humans as research subjects. The study was conducted in Jember for 8 months on study subjects were a number of 20 persons. Blood tests with flowcitometry performed at the Biomedical Laboratory of the Faculty of Medicine, UB Malang, East Java, Indonesia. Later the data is collected in a computerized data analysis using t-test, because test data includes numerical data. The measurement results showed that the macrophages in the early treatment have a mean of 18.3775, SD 3.32348, the lowest value of 12.14, the highest value of 23.54. While the value of macrophages at the end of the treatment have a mean of 65.2630, SD 6.42253, the lowest value of 56.58, the highest value of 71.64. Because the p value of 0.000, it can be concluded that the effect of cupping to increased macrophage cells as the immune system is significant. Hijamah (Wet Cupping) is proven to boost the immune system. The immune system in the blood is the responsibility of humoral and cellular systems, especially in this case the macrophage cells.

Biography

Wahyudi Widada, SKP., M.Ked, graduated from basic medical science courses, specialization pathobiology, in 2010, the medical school Airlangga University in Surabaya, Indonesia. He has 20 years of experience as a lecturer in the Faculty of Health Sciences University Muhammadiyah Jember, East Java. His research interests are cupping and complementary therapies. Currently he has researched the topic cupping for nine times and attended an international conference in Yogyakarta. He attended seminars and workshops over 30 times to update knowledge.

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