THE EFFECT OF EMOTIONAL QUALITY MANAGEMENT ON CORTISOL, TNF-α, AND IL-2 IN WOMEN WITH BREAST CANCER
(Padoli)

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Abstract

The prevalence obesity in the world grows up every years. One of obesity complication is the decrease of immune response. Mechanism of this complication has not been clear yet. This research studied mechanism the decrease of immune response in obesity which become diabetes by measuring Interleukin (IL)-2 cytokine level in mice. Thirty six mice BALB/c strain, male, 12 weeks years old, weight 25 – 30 g and healthy were classified into 2 groups : control and treatment groups. The control group had standard diet, while the treatment group had high fat diet with 22.8 % fat to induce diabetes for ten weeks. After that, both groups were induced with histamine intraperitoneally then the blood were taken for measuring level of IL-2 with ELISA reader. The IL-2 level of the treatment was found to be significantly higher than the control (p<0.0001). In conclusion, there is no decrease of IL-2 in diabetic causes obesity. (FMI 2013;49:33-35)

Keyword : Obesity, IL-2, ,

Daftar Pustaka :
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