

Immunocompetent expression of CD4+ T Cell and CD8+ T Cell, TNF- α and INF- γ in patient with chronic hepatitis C

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Abstrak

Aim: To investigate the expression CD4+ T cell and CD8+ T cell as well as TNF- α and INF- γ level on Chronic hepatitis C.

Methods: This is a cross-sectional study. Forty patients with chronic hepatitis C based on laboratory examination, who were collected from blood transition centers at Dr M. Djamil Hospital. The control group used forty healthy samples.

Results: There were 40 chronic hepatitis C cases satisfying the inclusion criteria. We found that CD4+ T cells count $50.35 \pm 3.18\%$; CD8+ T cells count $59.37 \pm 3.52\%$; TNF- α level 22.03 ± 3.72 pg/ml and INF- γ level 4.47 ± 1.47 pg/ml.

Conclusion: The chronic infection hepatitis C virus have given the effects on the immunocompetent cells which increased of CD4+, CD8+, TNF- α level and INF- γ level.