

EVALUATION OF IMMUNOMODULATORY ACTIVITY OF AOIMZ TABLET IN WISTAR RATS

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ABSTRACT

Content: AOIM-Z Tablets is a rationale combination of Rasayana (Antioxidant & Immunomodulator) ingredients like Guduchi (*Tinospora cordifolia*). The immunomodulatory activity of AOIM-Z tablet were studied by evaluating its effects on phagocytic function of polymorphonuclear white blood cells of rats.

Method: A tablet of AOIM-Z was administered for 21 days in experimental rats. After 21 days, blood drops were collected on clean glass slide. The blood was allowed to clot and removed gently after clot. The slide was layered with the inoculum of *C. albicans* culture. After drying slide was washed with D/W and stained with Giemsa's stain. After washing and drying slide was observed under microscope. PMN were identified. The number of PMN with and without Calbicans were counted and % phagocytosis was calculated.

Result: The present investigation the treatment with AOIM-Z tablet showed significant increase ($p < 0.05$) in level of % phagocytosis as compared to control treated rats.

Conclusion: the result indicated that AOIM-Z tablet has good immunomodulatory activity.

Keywords: AOIM-Z, Rasayana, Immunomodulatory, Phagocytosis, Giemsa strain, microscope etc
