THROMBOCYTE COUNT AND BLEEDING TIME OF LONG-TAILED MACAQUES (*Macaca fascicularis*) EXPERIMENTALLY INFECTED WITH ATTENUATED POLIOVIRUS

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ABSTRACT

This research aimed to know the effect of injected attenuated poliovirus toward the thrombocyte counts and bleeding time of Long-tailed macaques (*Macaca fascicularis*) and whether there is any significant difference in the effect between OPV2 attenuated virus and WHO Reference attenuated virus. 28 Long-tailed macaques were randomly divided into two kinds of treatment, OPV2 and WHO’s attenuated poliovirus, with 14 replications each. The monkeys were injected with both treatments and observed for 21 days. Their blood was collected for pre-treatment and post-treatment hematologic data via femoral vein. Both treatments resulted in increasing of thrombocyte count and bleeding time and showed significant difference (p<0.05) between pre-treatment and post-treatment data, but no significant difference (p>0.05) revealed between OPV2 and WHO Reference attenuated poliovirus. The increase of thrombocyte count was still in normal range, as for the bleeding time, there is no normal values defined in *Macaca fascicularis*, clinical conclusion can’t be made.

Keywords: Thrombocyte, Bleeding time, Poliovirus, *Macaca fascicularis*