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Triple antiretroviral therapy effectively eliminates HIV transmission from mother to child

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Abstract: Introduction: HIV transmissions can be reduced to a very low value by managing patient accurately. Every centers have modified their own standardized regimen for antiretroviral therapy.

Aim: To determine the HIV status after standardized triple antiretroviral therapy adapted in Haji Adam Malik Hospital.

Methods: This is an cohort-analytic study conducted in Haji Adam Malik hospital. Medical records of HIV-positive mother who delivered at Haji Adam Malik Hospital, starting in 2009-2014 were collected. They were all being given standardized antiretroviral therapy adapted in Haji Adam Malik Hospital. Diagnosis of HIV in children under the age of 18 months were done by PCR (Polymerase Chain Reaction). If the child has been aged ≥ 18 months, the method of diagnosis is Rapid Test.

Results: Of the 60 children examined, 11 children were aged <18 months and require PCR tests, while 49 others children were tested using rapid test. Of all children who tested PCR, no virus were detected. Similarly, in the examination of 49 children with a rapid test, all showed negative results.

Conclusion: The triple antiretroviral was effectively prevented the HIV transmission from mother to child.

Keywords: HIV, antiretroviral, transmission, pregnancy, fetal

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