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Serum Levels of anti-BCG, Albumin and Packed Ce... White Blood Cell Count in Subjects with HIV and M... morbidity

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Abstract: The present study was designed to determine anti-BCG

packed cell volume, white blood cell count and malaria parasite den
subjects in a malaria endemic area with stable transmission. For this
aged between 17 and 70 years (females=45; males=30) were enlist
HIV/AIDS subjects (n=21) on anti-retroviral therapy (ART), 12 of
malaria co-infection; (ii) HIV seropositive subjects (n=29) not on A
malaria co-infection, and (iii) HIV seronegative control subjects (n=
malaria parasiteamia. Serum albumin, anti-BCG and PCV, WBC ar
density were determined in all participants. The results showed that
detectable anti-BCG, but the titre was lowest in HIV/AIDS on ART
seropositives and control subjects (f=16.878; p&It;0.001). The res
serum albumin (g/l) was significantly different among the HIV serop
control subjects (f=8.043; p&It;0.001). This pattern was also true
p&It;0.001). When the above parameters were considered for subj
infection, a similar pattern of results was observed. There was no wi
those with or without malaria for the respective groups except for V
significantly reduced in HIV/AIDS subjects with malaria, compared
malaria. The positive association between WBC count and malaria
consistent in all groups. The present study thus indicates that, althou
prior exposure to bacterial infection, serum anti-BCG, serum album
impaired by HIV infection even in cases of malaria co-morbidity in

Key words: Malaria, HIV/AIDS, BCG, PCV, Albumin

[PDF (44K)] [References]

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