

3rd International Conference and Exhibition on Clinical & Cellular Immunology

September 29-October 01, 2014 DoubleTree by Hilton Baltimore-BWI Airport, USA

Is the rate of preeclampsia affected by HIV/AIDS?: A retrospective case-control study

Vital M S Kalumba

Mediclinic Gynaecological Hospital, South Africa

Objectives: To evaluate the prevalence of HIV/AIDS (and CD4 levels) in women with preeclampsia in comparison to the control group without preeclampsia.

Methods: This was a retrospective case-control study conducted in South Africa. Data were collected from a tertiary and a regional hospital in the Province of KwaZulu Natal. The hospital records of women who delivered from 1st January 2008 to 30th June 2010 were reviewed. Cases of preeclampsia which met the inclusion criteria were analyzed. Their HIV infection rate and profile were compared to that of a control group consisting of women without hypertension in pregnancy.

Results: Among 492 cases of preeclampsia, 130 (26.4%) were HIV positive. In the control group, 183/500 (36.6%) were HIV positive ($p=0.001$ OR=0.62 with 95% CI 0.47-0.82). After adjustment to match the difference in maternal age and parity, $p=0.005$ and OR=0.658.

Conclusion: The rate of HIV/AIDS was significantly lower in women with preeclampsia when compared to the control group without preeclampsia. HIV positive women 34.2% less likely to develop preeclampsia than HIV uninfected women. The study to be presented was conducted at the Nelson Mandela School of Medicine, University of KwaZulu Natal (UKZN), in South Africa.

Biography

Born on 14 November 1970 in Lubumbashi (DR Congo). The primary and secondary educations were completed at Tuendelee and Enano schools respectively. In 1996, we obtained our Medical Degree from the Medical School of the University of Lubumbashi (UNILU). The Postgraduate training in Obstetrics & Gynaecology was done at Nelson Mandela School of Medicine, University of KwaZulu Natal in Durban, South Africa. I am currently working as a Gynaecologist at Mediclinic Gynaecological Hospital in Pretoria, South Africa. My areas of interest are: Endoscopic surgery and Preeclampsia.

vitalkal@yahoo.fr