

4th World Congress on **Virology**

October 06-08, 2014 Hilton San Antonio Airport, TX, USA

Immunorex™ improved immunity of HIV-1 infected women leading to newborns with HIV-1 negative serology

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Introduction: P24 antigenemia is a potential marker of HIV transmission and disease progression; being relevant for response to therapy. HIV-1 infection targeted brain endocrine and immune (BEI) axis as non cognitif stimuli, inducing Th1 and Th2 imbalance restored by Immunorex™, an analog of DHEA, G6PD inhibitor for immune response, precursor of oestrogens for normal fetal intrauterine growth and newborn bodyweight. HIV-1 infection and or Malaria during pregnancy led to vertical HIV-1 transmission, intrauterine growth retardation, low birthweight increasing risk of infant death. Immunorex™ demonstrated capacities to produce HIV-1 neutralizing antibodies, to block host cell entry, syncytia, HIV-1 and co infecting pathogens cooperation which enhanced HIV-1 dissemination.

Objective: To verify effect of Immunorex™ on mother child HIV-1 transmission before pregnancy.

Methodology: 36 fertile HIV-1 infected couples involved in the study as follow: Group1: 29 HIV-1 couples without abstinence restriction before pregnancy; Group 2: 7 volunteers couples who received Immunorex™ treatment (50mg/70mg/day) during abstinence period until they became seronegative. Biomerieux and Western Blot methods were used.

Results: Group1 beared HIV-1 positive babies with low birthweight who survive under Immunorex™ or HAART treatment, while Group2 having higher anti HIV-1 IgG, beared full term babies with seronegative serology and normal birhtweight.

Conclusion: Immunorex™ remained relevant to prevent mother and newborn HIV-1vertical transmission by improving immunity of mothers before conceiving even at a late stage of pregnancy.

Biography

Donatien Mavoungou is the Director of the Research Center on Hormonal Pathologies (CRPH) Gabon. Invited Member at McGill University Aids Center (Montreal) and at Genomic Chair of Canada. He authored more than 150 publications. He discovered IMMUNOREX™ DM28 inhibiting HIV-1 replication. He is Professor of Biochemistry and Endocrinology at the University of Health Science Libreville, Gabon. Field: HIV, Metabolic disorders, HAART, Hormonal Therapy. He received the Prize of the National Center for Scientific Research in 2009 and 2012. (Gabon). Blue Ribbon Presenter, recipient of the Glaxo Smith Klein Award at ISHIB, Orlando (USA, 2007). Member of WABT Academy.

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