



Abstract no. 228/PSAB043

## **Immune Restoration With Indian Medicine In Non-HIV Low CD4 Tuberculosis And In HIV Disease**

Satish Vaidya, Alaka Deshpande

*Department of Medicine, Grant Medical College & Sir JJ Hospital, Mumbai, India.*

**Background:** This is preliminary analysis of India medicine Reimun Immunorestorative Combipack as an immunorestorative agent in immunodeficient states.

**Methods:** 8 non-HIV low CD4 tuberculosis and 48 HIV seropositive individuals are being treated with the study medication in this open label sequential study for period varying from 6 months to 30 months. All patients were assessed clinically, standard blood chemistry, renal and liver chemistry at monthly intervals. CD4 lymphocyte enumeration was done before giving study medication and repeated at quarterly intervals.

**Results:** All patients have shown significant weight gain ( $p < 0.001$ ), significant improvement in haemoglobin levels ( $p < 0.001$ ), sustained and continued increase in the CD4 lymphocyte counts over baseline values ( $p < 0.001$ ) and an improvement in the overall clinical status of the patients. The occurrence of opportunistic infections was also markedly reduced in the HIV seropositive patients. The non-HIV low CD4 patients with tuberculosis also responded well to the standard 4 drug anti-tubercular regimen.