

The effects of a specialized superoxide dismutase nutritional supplement for HIV patients on HAART

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Introduction

The AIDS pandemic continues despite significant improvements in the detection, prevention and treatment of the disease. Common side effects of HIV-1 infection and HAART include

- Diminished Quality of Life
- Fatigue
- Metabolic changes
- Decreased immune function

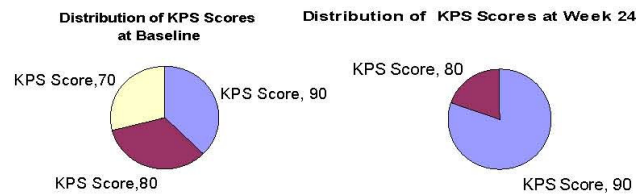
Objective

The study was conducted to assess the efficacy of the specialized nutritional supplement on the common side effects of HIV infection and HAART primarily on fatigue and Quality of life

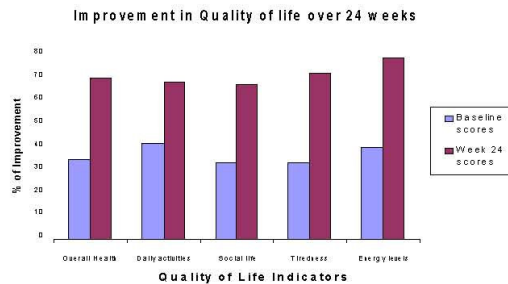
Methods

- Twenty-three HIV-1 infected subjects on HAART were to take a specially formulated nutritional supplement containing orally effective Superoxide Dismutase twice daily
- Patients were followed up to 24 weeks to measure changes in quality of life (QoL) and Karnofsky Performance Status (KPS), metabolic parameters and CD4 cell count
- Compliance was assessed by patient query

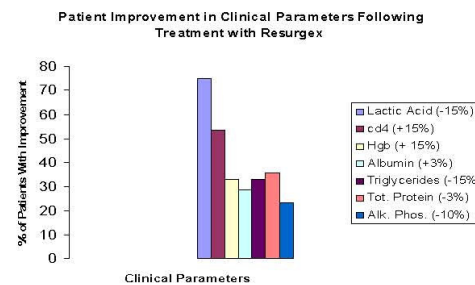
Results



Statistically significant improvement ($P < 0.0001$) in the KPS was detected



Statistically significant improvements in QoL parameters were detected



Clinically important trends were assessed in Metabolic and Immunologic parameters

Conclusion

- Significant improvement in KPS, a functional assessment index was detected
- Significant improvement in QoL parameters include improvements in overall health, daily activities, social life, tiredness and energy levels
- Clinically important trends were assessed in metabolic and immunologic function which tied into the KPS and QoL improvements
- The above improvements indicate that this nutritional supplement may be beneficial in patients with HIV-1 infection on HAART. A larger study may be warranted to confirm the trends observed in this pilot study

Acknowledgment

Millennium Biotechnologies of Basking Ridge, New Jersey, is a pioneer in the research, development and marketing of specialized medical nutritional supplements. The Company's two main products, RESURGEX® and RESURGEX Plus® provide nutritional support for immunocompromised individuals undergoing medical treatment for chronic debilitating diseases.

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