Abstract

COMBINED MUCOSAL AND PARENTERAL IMMUNIZATION AGAINST HIV

HIV antigens are mucosally administered in one or more priming immunization(s), and then HIV antigens are parenterally administered in one or more boosting immunization(s). Thus the invention provides a method for raising an immune response in a patient, comprising: (i) administering a HIV antigen to the patient via a mucosal route; and then (ii) administering a HIV antigen to the patient via a parenteral route. The antigens will typically be adjuvanted. Preferred mucosal immunizations are via the intranasal route using a detoxified mutant of E.coli heat labile toxin as the adjuvant. Preferred parenteral immunizations are via the intramuscular route using an oil-in-water emulsion adjuvant.

(Figure 1)