Optimization of immunoglobulin substitution therapy by a stochastic immune response model.

Figge MT (2009) Optimization of immunoglobulin substitution therapy by a stochastic immune response model. *PLOS ONE* 4(5), e5685.

Details

Abstract

The immune system is a complex adaptive system of cells and molecules that are interwoven in a highly organized communication network. Primary immune deficiencies are disorders in which essential parts of the immune system are absent or do not function according to plan. X-linked agammaglobulinemia is a B-lymphocyte maturation disorder in which the production of immunoglobulin is prohibited by a genetic defect. Patients have to be put on life-long immunoglobulin substitution therapy in order to prevent recurrent and persistent opportunistic infections.

Involved units

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Details

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