

## **T2. MATCHED UNRELATED BONE MARROW TRANSPLANTATION IN A CASE OF SEVERE APLASTIC ANEMIA WITH MAJOR BLOOD GROUP INCOMPATIBILITY.**

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We present the case of a 19 year old male patient with severe aplastic anemia with no response to immunosuppressive treatment and no HLA matched family donor.

We obtained through the Romanian Registry of Voluntary Donors from the Polish Registry fully matched HLA compatible donor with major blood group incompatibility the donor being B+ and the recipient O+. We obtained bone marrow with a number of  $681.04 \times 10^8$  nucleated cells and  $3.63 \times 10^6/\text{kg}$  CD34+ stem cells in a quantity of 1875 ml. The bone marrow had to be processed with the Cobe Spectra Aphaeresis Machine for the erythrocytes and plasma depletion. The conditioning consisted in Fludarabin, Cyclophosphamide, ATG and the immunosuppression with tacrolimus and low dose methotrexate according to the M.D. Anderson protocol. We present the difficulties, complications and the results of this case.