

HAPLOIDENTICAL STEM CELL TRANSPLANTATION – AN ALTERNATIVE FOR PATIENTS WITHOUT AN UNRELATED COMPATIBLE DONOR; THE FIRST SUCCESSFUL APPLICATION IN ROMANIA.

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Hematopoietic stem cell transplant (HSCT) is a standard treatment for different malignant and non-malignant diseases, being performed more than 30,000 HSCT each year in Western Europe. Two-thirds of patients requiring an allogeneic stem cell transplant, haven't an available HLA compatible donor. An unrelated voluntary donor is identified in only 50-60% of cases. Haploidentical donors (parents, children and siblings- 50% compatible) are alternatives for these patients that can not find a donor. Transplant outcomes using haploidentical donors and posttransplant Cyclophosphamide have improved past several years and are comparable with outcomes of matched unrelated donors. These encouraging early results extended this form of transplantation worldwide.

In this paper, we present the case of a 33-year-old women, who received an haploidentical transplant after relapsed after multiple chemotherapy regimens, including autologous hematopoietic stem cell. This haploidentical transplant represent the first successfull procedure of this type in Romania (patient in complete remission, PET negative at 8 months after transplant).