

The diagnosis of neuroblastoma – IV<sup>o</sup> (N-myc -) in 8-year – old girl was established in 2003.

Primary location – left adrenal gland.

First chemotherapy - Cojec (2004)

Autologous peripheral blood stem cells transplantation (August 2004).

Radiotherapy – December 2004.

Chemotherapy TVD (August 2006) and MIBG (February 2007) was initiated because the progression of neuroblastoma (bones and bone marrow).

In March 2007 she received preparative regimen consisting of Treosulfan 36g/m<sup>2</sup> and Cyclofosamid 200mg/kg (7-13 March 2007).

Allogeneic haematopoietic stem cells from bone marrow and two units cord blood (from matched family donor - matched sister) has been performed 15 March 2007.

Both first and second cord blood unit leukocytes viability were very good and were respectively 90 and 98%.

The hematological recovery :

L>1000 (day +15),

GRAN>500 (day +16),

PLT >50 000 (day +39)

The post – transplant period was complicated by :

- Fever Unknown Origin,
- Graft versus Host Disease II<sup>o</sup> (skin)
- hemorrhagic cystitis (due to polyoma – BK virus infection)

At the time of writing, 12 months after transplantation, the girl is alive with a perfect performance status.