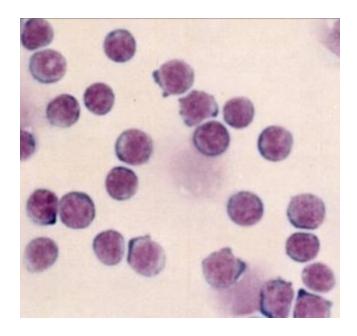
What do we need to get started?

Hildegard Greinix Medical University of Vienna Austria



What do we need for autologous HCT?

PBSC collection facility Expertise in PBSC mobilisation

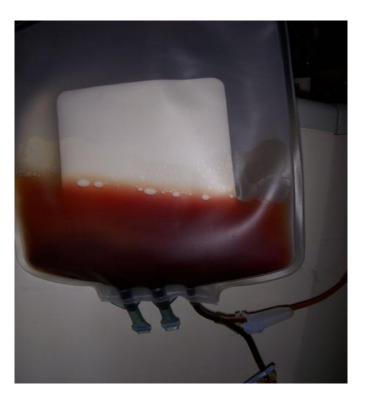
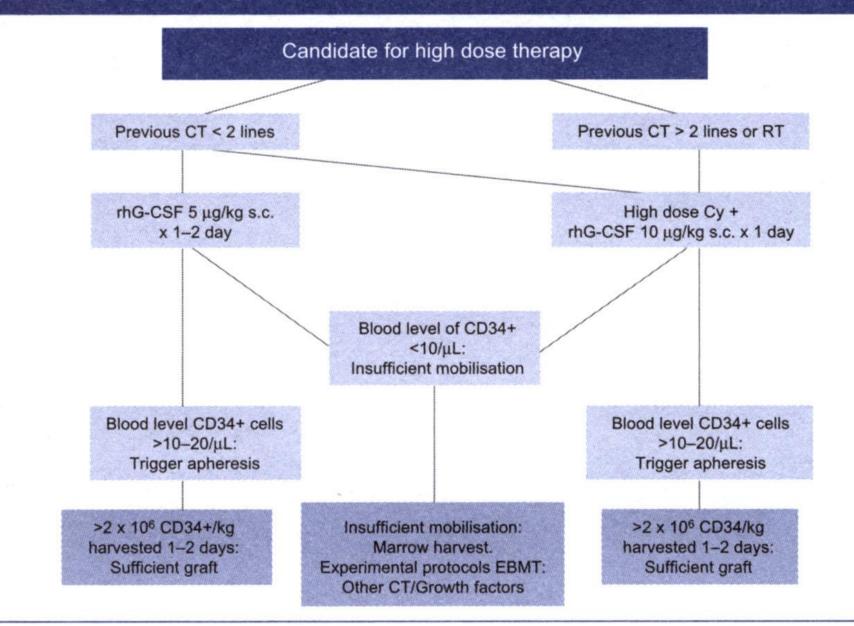
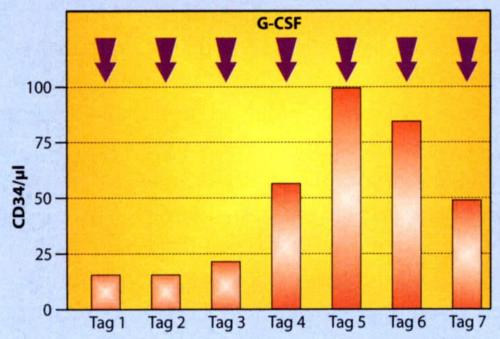


Figure 1: A proposed algorithm for procurement of autologous grafts





PBSC collection



Cryopreservation of PBSC









What else do we need for autologous HCT?

- Hematologic/oncologic unit
 - Expertise in high-dose chemotherapy
 - Expertise in supportive care: infections, toxicities
- Blood product support

- Diagnostics of infections

What do we need for allogeneic HCT?

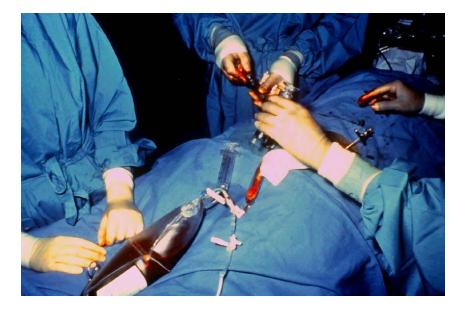
HLA typing lab

Hematological/oncological unit

- Expertise in high-dose chemotherapy
- Expertise in supportive care: infections, toxicities
- **Expertise in GVHD**

What do we need for allogeneic HCT?

Stem Cell Harvest Facility



PBSC collection

Bone marrow harvest

What do we need for allogeneic HCT?

Blood product support

Post-transplant care facility

- Expertise in acute and chronic GVHD
- Expertise in infections
- Monitoring of MRD in neoplasias
- Monitoring of chimerism

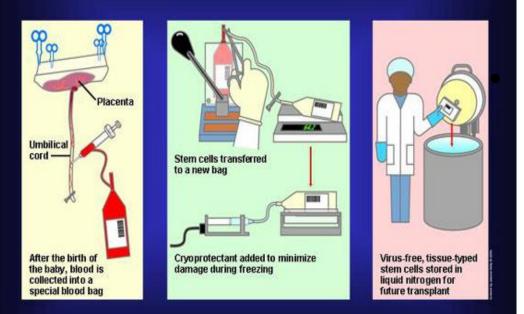
What do we need for allogeneic HCT with Cord Blood?

- HLA typing lab
- Hematological/oncological unit
 - Expertise in high-dose chemotherapy
 - Expertise in supportive care: infections, toxicities
 - Expertise in GVHD



What do we need for allogeneic HCT with Cord Blood?

Placental and Cord-Blood Stem Cell Transplants



Cord blood bank

National/international registry to access suitable CB products

What do we need for allogeneic HCT with Cord Blood?

Blood product support

Post-transplant care facility

- Expertise in acute and chronic GVHD
- Expertise in infections
- Monitoring of MRD in neoplasias
- Monitoring of chimerism

