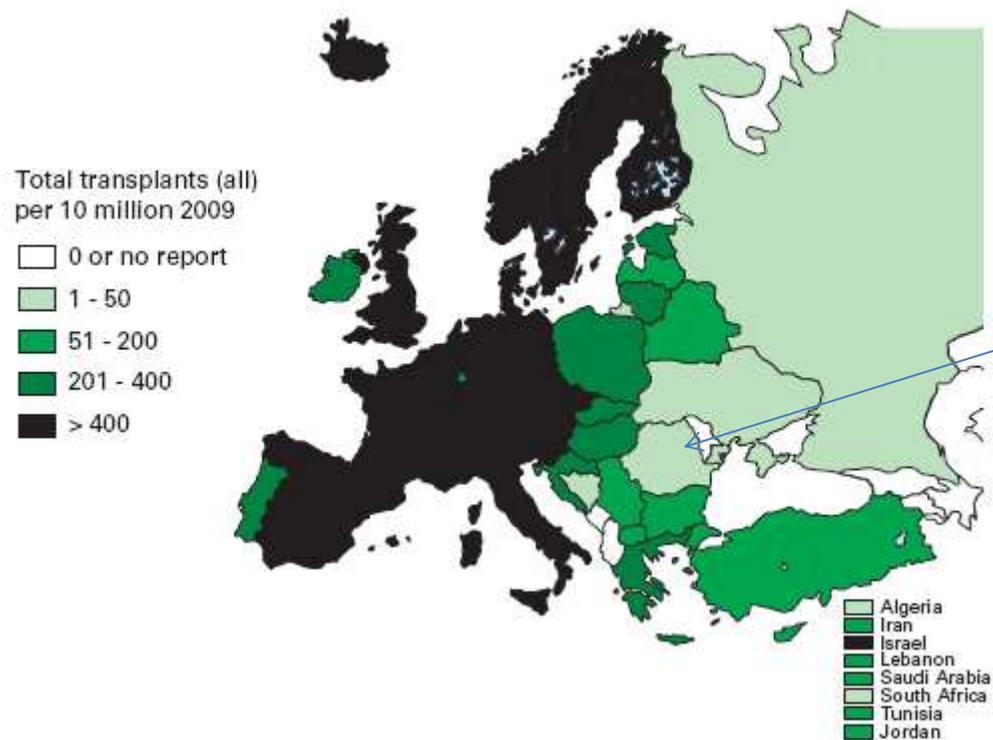


# ***Twining and teaching***

Prof E Holler  
Department of Hematology/Oncology  
BMT program  
University Medical Centre  
Regensburg

## *Background in 2003*



***-Almost no allogeneic transplants in Romania***

***-Newly established unit in  
-Institute Fundeni, Bukarest  
but difficult conditions for  
first transplants***

***- more than 100 patients/yr  
sent to centres outside  
Romania***

**joséCARRERAS**  
LEUKÄMIE-STIFTUNG

"Unser Ziel ist klar:  
Leukämie muss heilbar werden.  
Immer und bei jedem." José Carreras

2003



***Twining Program Institute Fundeni, Bukarest  
Department of Hematology  
Regensburg***

# *Phases*

- 2003 Phase I:
  - 3 site visits at Institute Fundeni to define the needs:
    - Physicians Training in Indication and Care of Patients
    - Nurses Training
    - Training of Stem Cell Laboratory and Microbiology Staff
    - Establishment of Standard Operating Procedures

## *Phases*

- 2004-2006 Phase II:
  - 4-8 week training at the University of Regensburg:
    - 10 nurses
    - 8 physicians
    - Laboratory staff
  - Implementation:
    - Regensburg SOPs adapted to Institute Fundeni
    - Charts for continuous documentation of patients
    - EBMT documentation of outcome

## *Phases*

- 2004 up to now – Phase III:
  - Regular 2-3 days site visits of Regensburg ***physicians and nurses*** in Fundeni to discuss implementation and further needs in daily practice, ward rounds to follow daily patient care, educational lectures, contact to local and government authorities
  - Continuous E-Mail exchange
  - Regular videoconferences (via internet) every 2 weeks to discuss courses of each allogeneic transplant according to standardized protocol
  - Implementation :
    - Analysis of chimerism
    - Cytogenetics for acute leukemia to allow risk adapted treatment
    - Training of new staff members
    - Use of galactosaminase and other microbiological tests

# Twining



Videoconference in  
2011

Site visit in  
Bukarest  
2009





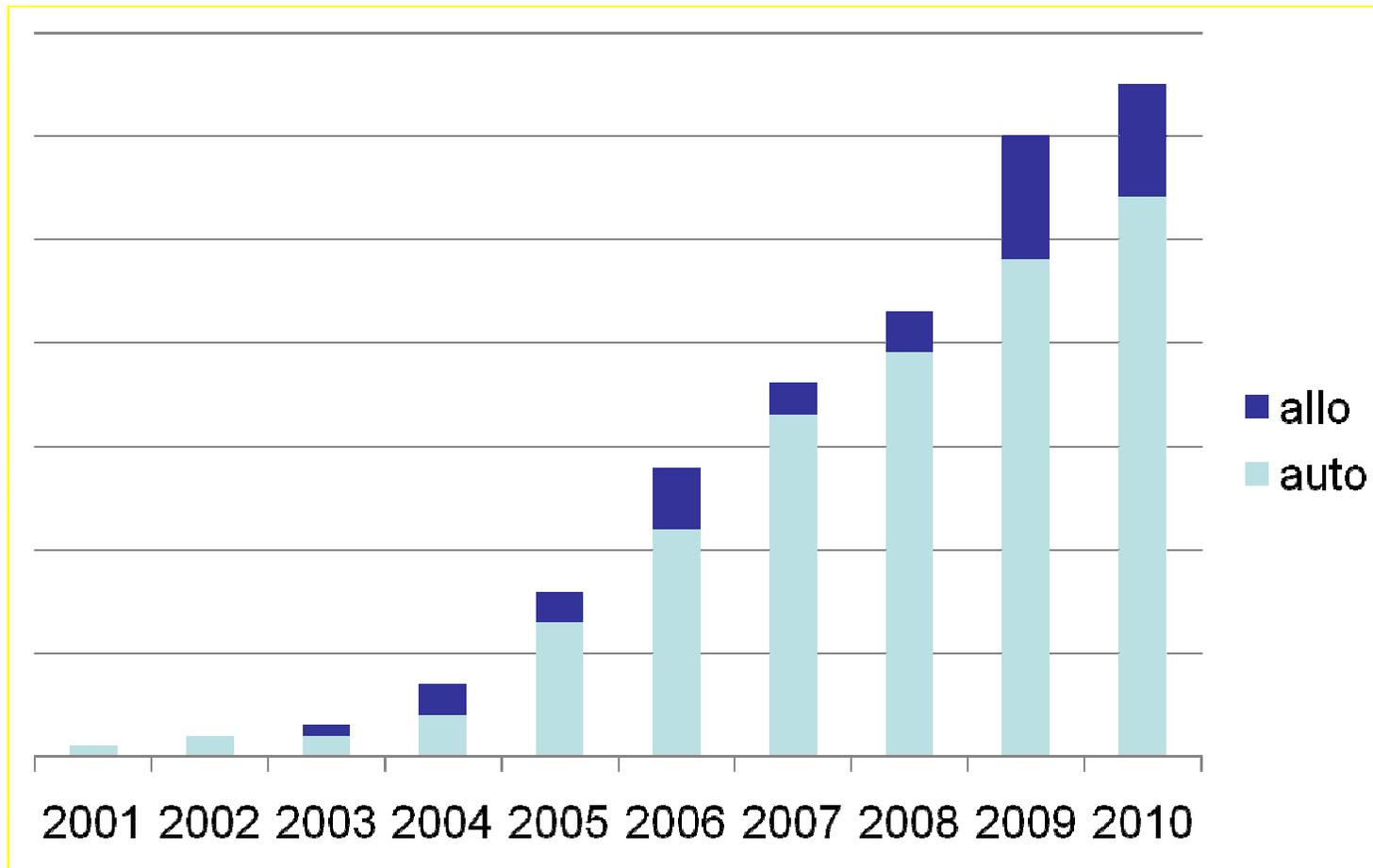
**INSTITUTUL CLINIC FUNDENI  
DEPT. TRANSPLANT MEDULAR  
BUCURESTI**

Str. Fundeni 258 . Sector 2, 022328 Bucuresti  
Tel: (+) 4021 318 04 16 (+) 4021 318 04 25/ int 1235 Fax: (+) 4021 318 04 23  
E-mail: dtm@icfundeni.ro

***ALLOGENEIC STEM CELL  
TRANSPLANTATION IN FUNDENI CLINICAL  
INSTITUTE  
2001-2010***

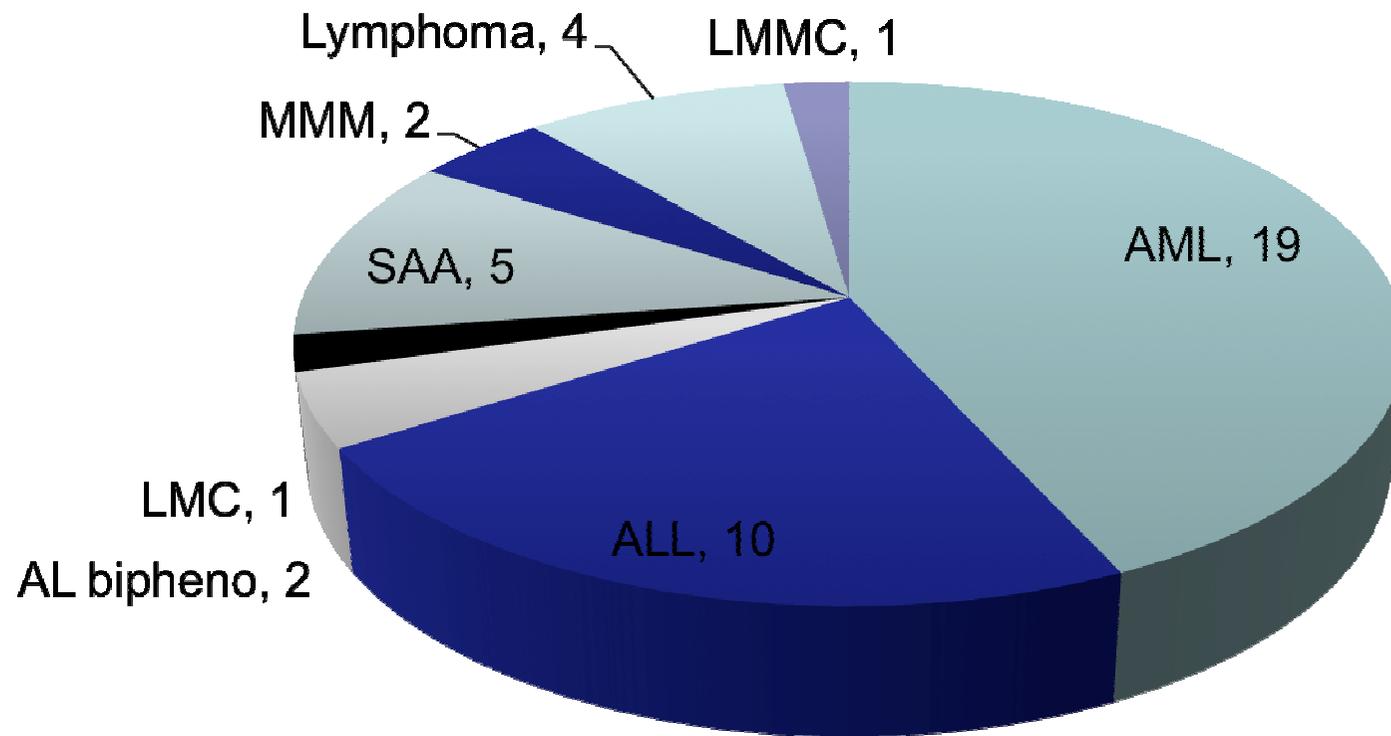
D.N.Colita., C.Arion, A.Tanase, Zs.Varady, A.Colita, L.Dumitrache,  
A.Dumitrescu, C.Calugaroiu, D. Coriu

## 262 stem cell transplants 2001-2010 (allo + auto; adults+children)



44 (+15 in 2011) allogeneic + 218 autologous

## *Allogeneic transplants - diagnosis*



Intermediate stage: 28, advanced disease: 16

## *Outcome*

- Graft failure 1/44
- Engraftment day 16 (11-23)
- GvHD grade I/II 12/44, grade III/IV 6/44
- 1 yr TRM 22.6%
- Currently 17/44 patients alive

## *Continuous and next challenges*

- Shortness of financial support (payment by government)
- Shortness of drug supplies
- Establishment of an unrelated donor registry and of unrelated donor SCT (patients are sent abroad for expensive URD SCT )
- Establishment of a Romanian registry for SCT

## ***Conclusion***

- Twining allows continuous education and quality improvement
- Use of telemedicine may overcome financial restrictions of a twining program and allow continuous discussion even of individual patients