

Royaume du Maroc
Université Hassan II Aïn Chock
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Casablanca



المملكة المغربية
جامعة الحسن الثاني - عين الشق
كلية الطب و الصيدلة
الدار البيضاء



Morocco Activity Report Current Status and Prospects

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*Worldwide Network for Blood and Marrow Transplantation
NGO in official relations with the World Health Organization*





Morocco 2011

- Demography **33,5 millions**
- Population Growth **1.07 %**
< 30 year old **65,5 % (37% < 15y)**
- Illiteracy **40%**
- Life expectancy at birth **74,8 years**
- GNP per capita **1350 \$**



Medical features

- Health / GNP 5.3% (6.4% in Tunisia)
- **Medical expenditure 50 \$**
(per capita & per year)
- **Access to health care**
Health insurance for 60% of the population
(AMO, RAMED programs)
- **Five medical schools:** Rabat, Casablanca,
Marrakech, Fes and Oujda

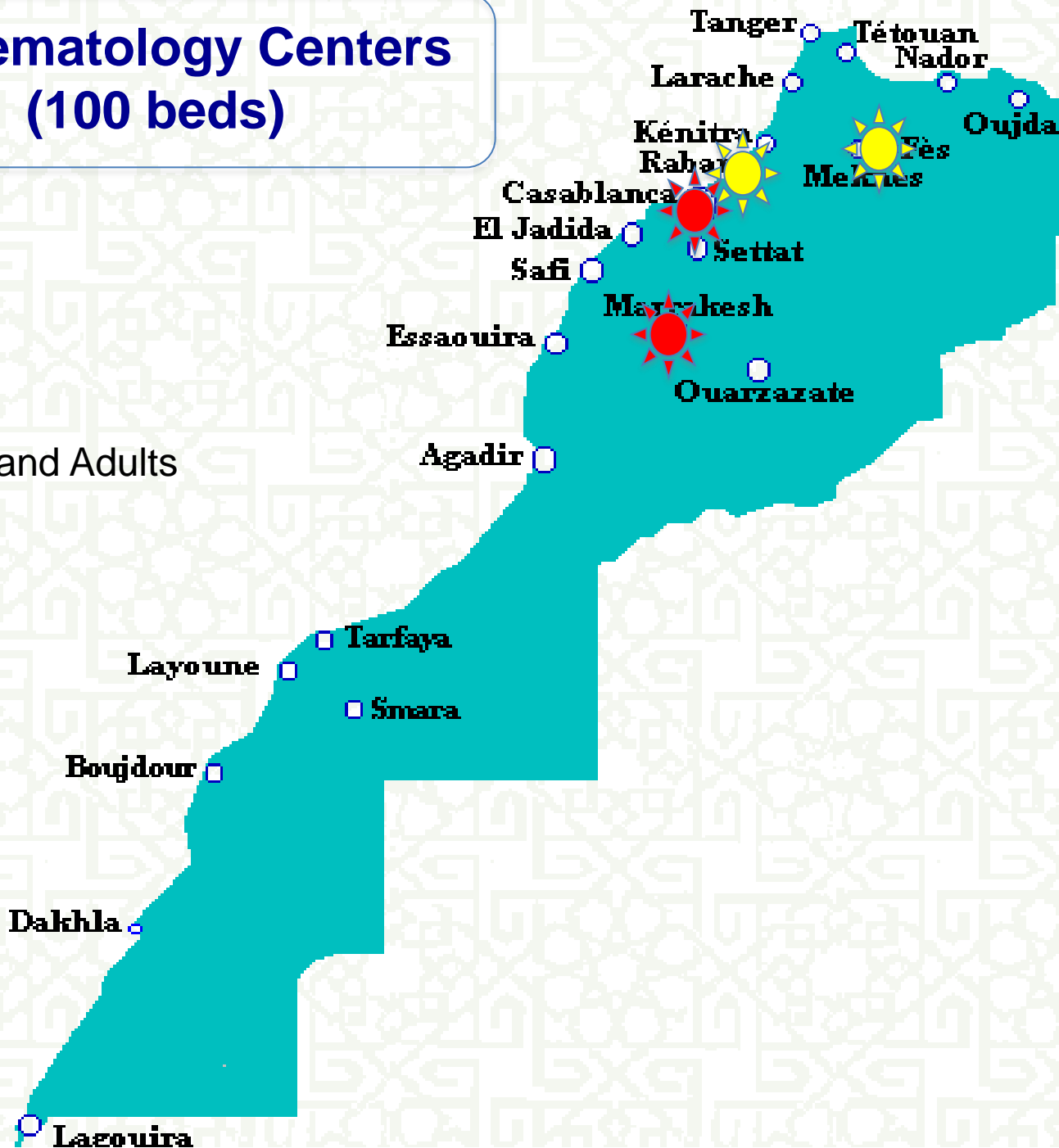
Public Hematology Centers (100 beds)



Pediatric and Adults



Pediatric



▪ National societies: 2

Moroccan Society of Hematology (SMH)



Moroccan Society of Hematology and Pediatric Oncology (SMHOP)



- Cancer registry of Casablanca (2004)
- No national registry for transplant
- No data report to international society

Casablanca



- **5 millions inhabitants**
- **Economic capital**
- **Second medical school of the country**
- **Department of Hematology**

Bone Marrow Transplant Unit 2004 4 Beds





BMT In Casablanca

- Cryobiology unit (in blood bank)
- Training in France : Nurses and Physicians
- Activity was possible with support of NGO
- Autologous done in private facilities
- Marrakech started BMT (2012): Auto and Allo
- Legislative efforts (2013) – Law 16-98



Morocco /HSCT Activity

Activity	Casablanca	Marrakech
Start	2004	2012
Auto (N)	196	17
non cryopreserved	24	17
Myeloma (%)		
NHL (%)	57	94
HL (%)	15	-
Other (%)	27	-
	1	6
Allo (N)	- (2 cases)	7
Aplastic anemia	- -	3
ALL	- -	1
AML	- -	1
B Thalassemia	-	1
PID	2	1



Morocco: Challenges and Perspectives

- **Centers dedicated to Bone Marrow transplant**
- **Important needs for benign and malignant diseases**
- **Sustainable training programs, locally**
Support of the international experts
- **Availability of drugs and avoid shortage**
- **Access to HLA phenotyping, still costly +++**
- **Blood products**
- **Registry**

Worldwide Network for Blood and Marrow Transplantation

- **Accreditation** *NGO in official relations with World Health Organization*



Conclusion

- **Feasible**
- **Necessary to offer to the Moroccan patients an optimal panel of choice to be cured**
- **Improvement of the technical platform and the quality of care**
- **Reduce the cost of treatment**

International Online Conference



Rabat



Casablanca



**St. Jude Children's
Research Hospital**

ALSAC • Danny Thomas, Founder

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