



Regional Activity Report

Nigeria

2011-2018

**HEMATOLOGY AND BLOOD TRANSFUSION DEPARTMENT
UNIVERSITY OF BENIN TEACHING HOSPITAL EDO STATE
NIGERIA**

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



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Donor outcome registry

No

N of transplant centers in Nigeria: **2011-2018:**
Medical center)

2 (UBTH, Celltek Healthcare

Total n of transplants in Nigeria: 2011-2018 : **6**

Number of transplants by category 2011-2018:

- Re-transplants: **1**
- Unrelated donor transplants: **Nil**
- Related donor transplants: **6**
- Autologous transplants: **Nil**
- Cord blood transplants: **Nil**

Indications for autologous transplant : **NA**

Indications for allogeneic transplant: **Sickle cell disease**

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National society: **Yes(NGBMT)**

Data report to international society:

EBMT: **Yes(CIC907)**

Requirement for national authority reporting?

No

National recipient registry

No

Cord blood bank

No

Donor registry

Yes(NDRN)

Financing (most prominent method)?

Individual

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What is the biggest barrier to transplantation

- * The non availability/Cost of drugs
- * Inadequate Trained personel
- * Radiotherapy/Radio-diagnostic facilities
- * Molecular diagnostic laboratories
- * Inadequate power supply
- * Lack of Government commitment/appropriate financial support

Do you have a QM System? **Yes(local)**

Do you know the mortality rate in 2011-2018 in %? **Yes(0%)**

Autologous transplant (TRM at D100) **NA**

Allogeneic transplant (TRM at D100) **0%**

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NIGERIAN BMT 2018 REPORT



PATIENTS	AGE/SEX	DONOR AGE/SEX	DATE OF HSCT/DOSE	COND TN/ GVHD PREVENTION	ABO/CMV (R/D)	ENGRAFTME NT(NEU/PLT)	CHIMERISM/ GVHD/SATUS
NM	7yrs/M	MSD(14/M)	Sept 2011 /9.2x10 ⁸ /kg	FLU/BU(ATG, CSA,MMF)	O+,CMV Neg/ O+,CMV Neg	+18/+21	95%(2yrs)No GVHD,Alive
AM(1 st HSCT)	12yrs/M	MSD(19/F)	Aug 2012 /3.7x10 ⁸ /kg	FLU/BU(ATG, CSA,MMF)	A+,CMV+/O+ ,CMV+	Rejection (Self at +42)	0%,No GVHD,Alive
AM(2 nd HSCT)	13yrs/M	MSD(20/F)	May 2013 9.2x10 ⁸ /kg	BU16mg/kg/ CY100mg/kg(cy100mg/kg+ 3,+4)	A+,CMV+/O+ ,CMV+	Rejection (High PFH)	0%,NO GVHD,Alive
ME	13yrs/M	MSD(21/F)	July 2013 8.2x10 ⁸ /kg	FLU/BU(ATG, CSA,MMF)	O+,CMV+/O+ CMV+	+18/+22	96%,8mts/no GVHD,Alive
AS	13yrs/M	MSD,18/F)	Dec 14 , 2017 6.1x10 ⁸ /kg	FLU/BU(ATG, CSA,MMF)	O+,CMV-/O+ CMV-	+16/+22	69%,1mts/no GVHD,Alive
MF	11yrs/F	MSD,23/M	Feb, 2018 8.3x10 ⁸ /kg	FLU/BU(ATG, CSA,MMF)	O+,CMV+/O+ CMV+	+14/+18	NA/Alive
OD	11yrs/M	MSD,14/M	April, 2018 4.64x10 ⁸ /kg	FLU/BU(ATG, CSA,MMF)	A+,CMV+/O+ CMV+	NA	NA/Alive

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Recommendations for the Establishment and or improving existing HSCT centers in Developing/low resource countries:

- Training and re-Training of Health personnel in a twinning program.
- Developing local programs and design of infrastructure appropriate for the local that will meet basic international standards.
- Involvement of international bodies (WHO/WBMT) to encourage Governments in Africa to invest in Health.
- Involvement of Private Public Partnership.
- Establishment of functional blood transfusion support systems