



SDI Review Form 1.6

PART 1:

Journal Name:	<u>International Journal of TROPICAL DISEASE & Health</u>
Manuscript Number:	2013_IJTDH-4760
Title of the Manuscript:	CHALLENGES OF SETTING UP THE FIRST STEM CELL TRANSPLANT CENTRE IN A DEVELOPING COUNTRY (NIGERIA)
Type of the Article	Research Paper

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	This manuscript describes challenges of setting up a stem cell transplant center in Nigeria. The authors report the first HLA identical stem cell transplantation performed for SCA patient in Nigeria and describe problems of organizational structures for creation of BMT service in Nigeria. Stem cell transplantation is a complex procedure and should be carried out only in transplant units where facilities are adequate and all necessary drugs are available. The authors have performed an allogeneic BMT and describe infrastructure, equipment, diagnostic, supportive care and drug supplying drawbacks which could pose under risk of patient life. Therefore these essential services should be set up before starting BMT service. Problems raised in this manuscript should be addressed to the competent authorities but not to readers. Instead it would be interesting to describe outcome of transplantation as a case report and show the importance of BMT in curing SCA in Nigeria where sickle cell disease is endemic.	The case report of the first HSCT is currently been assessed in a peer reviewed journal. Patient is still alive one year eight months with haemoglobin AA. The aim of this article is to highlight challenges of setting up a hematopoietic stem cell transplant centre in a developing country and ways to overcome them. It also brings to fore the basic requirement to start a Hematopoietic stem cell transplant centre. Line 178. However we ensured that the basic needs for a successful HSCT which include HLA typing (typed in Switzerland), sterile isolation rooms with generator power backup, sterile harvesting of bone marrow stem cells in theater, standard protocol for induction chemotherapy, immunosuppression, irradiation of blood products were available
Minor REVISION comments		



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<u>Optional/General</u> comments		
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Special note: This paper is presented in

**"38th Annual Meeting of the European Group for Blood and Marrow Transplantation
Geneva, Switzerland
01.04.2012 - 04.04.2012"**