



Peru – Country activities on BMT
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Worldwide Network for Blood and Marrow Transplantation
NGO in official relations with the World Health Organization



BMT - PERU

Transplant Team:	Peru – Almenara team	
National stem cell transplant society:	yes	no
	SPH - APTOT – APTCEL	
Member of International society	CIBMTR (Rebagliati-Almenara)	
National authority reporting requirement	: ONDT	
National recipient registry	: Yes (ESSALUD-MINSA)	no
Cord blood bank	: yes	no
Donor registry	: yes	no
Who covers cost of transplantation:	ESSALUD – MINSA (Hope) – FFAA/FFPP – Private.....	



BMT – PERU- updated september 2013

Donor outcome registry : yes no

Number of transplants in your center in 2011/2012: 0 (2011) – 5(2012) - 5+(2013)

...../.....

Number of transplant centers in your country: 2 (2011) – 6(2012) - 8+(2013)

Number of transplants in your country 2011/2012: 70 (2011) – 77(2012) – 69+(2013)

	2011	2012	2013
Transplants	70	77	69+
Retransplants	-	-	-
Unrelated donor	-	-	8+.....
Related donor	30	31	25+
Auto	35	46	35+
Cord blood	1	-	1+

Indications (diseases): AML;MM, AA, ALL, AML Lym

Biggest barrier to transplantation in your country: Access (Dx-Rp-BMT)ain

Access Dx – Rp - BMT

1. Coverage:
 - MINSA (Hope plan): 18 millions (started 2012)
 - ESSALUD: 10 millions
 - FFAA / FFPP: < 0.5 million
 - Private insurances < 1 million
2. Ratio Pediatrics/adult: $\frac{1}{2}$, 33% ped
3. % autologous: 40% (LATAM-2012: 59%)
4. No unrelated BMT or CB in Peru. Some patients are referred to Barcelona-Spain, FL-USA

INCIDENCE OF MAIN ONCO-HEMATOLOGIC DISEASES – PERU

DISEASE	HNERM	HNGAI	Región Norte (Chiclayo, Piura, Trujillo)	Hospital Regional Arequipa	INEN	TOTAL
AML	70	31	25	25	Ad/Ped	991
ALL	60	40		60	400/280	
NHL	140	166	194	50	200	750
HODGKIN	15	26	36	5	20	102
MM	40-50	40	62	30	25	207
CML	18	14	5	10		47

Referencias Unidades respectivas del HNERM-Dr Sergio Murillo, Dr. Antonio Carrasco HGAI; Dr. Pedro García. Región Norte; Dr. Willy Quiñones Hosp.Arequipa; Médicos tratantes INEN

INCIDENCE OF MAIN ONCO-HEMATOLOGIC DISEASES – PERU

PATOLOGIA	Incidencia Proyectada Perú	Incidencia Perú
LMA	1 050	991
LLA	510	
LNH	6000	750
ENF. HODGKIN	900	102
MM	1 700	207

PERU – BMT INDICATIONS

(under evaluation/construction/...)

- Severe aplastic anemia as first line for patients less than 50 yo with match sibling available
- High risk AML in 1CR with match sibling available. Some standard risk in 1CR. Few patients got 2CR after relapsed. Impact molecular markers
- ALL VHR, HR, Ph+ complex cytogenetics in 1CR
- ALL low or intermediate risk in 2CR.
- Auto MM at first year of diagnostic
- High risk or intermediate-2 MDS
- LNH relapsed & chemosensitized disease



INSTITUTO NACIONAL DE SALUD DEL NIÑO – SAN BORJA



BMT - PERU

Do you have a QM System?

yes

no

Do you know the mortality rate at 100d or 375 d in 2011/2012 in %? ...no but

Rebagliati: 100d mortality < 2% OS for ALL @100 months 65%

Provide the list of centers, if you are reporting as a country :

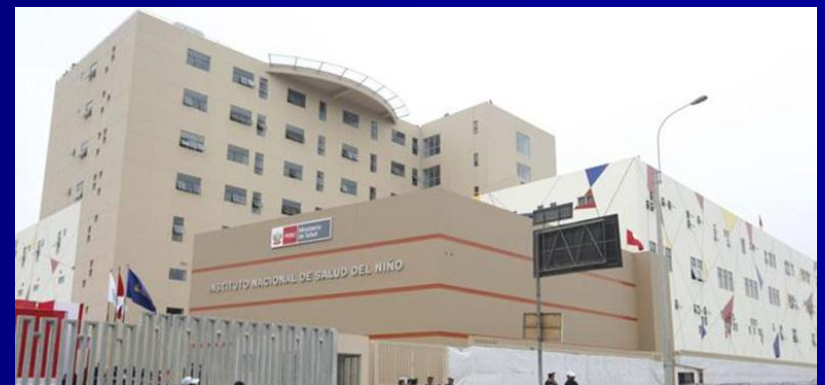
Rebagliati (9)	Almenara (2)	Almanzor Aguinaga (2) (ESSALUD)
INEN (4)	INSN (20)	(MINSA)
Police Force (2)	Army (3)	(FFAA y FFPP)
San Borja (3)		(Private)
		Beds 45

Does the country or Society have a Programm for residents and post graduation in BMT (Education)

YES: INEN (excellence training programm), MINSA (Hope programm)

Does the country have a Centralized Programm (Government).

Ministry of Health: ONDT by law must centralized big 4 activities) + registry + public cord blood bank



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