

PUBLIC CORD BLOOD BANKING OUR EXPERIENCE

Jeevan Stem Cell Bank & Fernandez Hospital

www.bethecure.in

Cord Blood Banks

- **Private Cord Blood Bank** – The parents pay a fee for processing and storage of cord blood derived stem cells with the “hope” that the same can be used by someone in the future.
- **Public Cord Blood Bank** – Its like a blood bank. Accepts cord blood as donation (instead of discarding as waste). Parents do not spend any money.
- Jeevan, a public cord blood bank, collects, processes, tests, HLA types, stores and issues stem cells to patients who need them for treatment.

Need For Public Cord Blood Bank

- Over 60% of patients with blood cancers and over 80% with Thalassemia can be cured – if a matching cord blood unit or bone marrow donor is found.
- Annually over 120,000 are diagnosed with blood cancer and 10,000 children are born with Thalassemia.
- HLA match is ethnicity dependent.
- Chances of an Indian finding a match in any international registry is less than 20%.
- If lucky to find a match, it costs over USD 45,000 (25 Lakhs).
- In an Indian inventory of 30,000 plus, the chances of finding a match will be over 50%.
- It will be available free of cost or at less than 3 lakhs.

About Jeevan Stem Cell Bank

- Not for profit project of 19 year old Jeevan Blood Bank
- Started in 2008
- Current inventory of over 2000
- Facilitated 2 transplants
- Funded by public donations, Government of Tamil Nadu and loan from World Bank aided fund.

Total Collections Jan 2008 – Sept 2014

Pre Processing

Collected	Processed	Not Processed	Volume Less than 40 ml	Low Counts	Frozen	Others
3500	2451	1049	981	43	1	24

Post Processing

Processed	Stored	Rejected	Wharton's Jelly	Low Count	Perceived Risk	Positive for TTI
2451	2170	281	216	25	2	38

Rejection - 38%

Fernandez Hospital (Oct 2013 to Sept 2014)

Pre Processing

Collected	Processed	Rejected	Low Volume	Low Counts	Wharton's Jelly	Others
1102	718	384	363	12	7	1

Post Processing

Processed	Stored	Rejected	Wharton's Jelly	Screening Positive
718	668	50	43	7

Rejection - 39%

Why are we here?

- We need to involve more Obstetricians from across India to promote and collect cord blood donations.
- This will ensure adequate representation of the diverse Indian population.
- It is critical to increase the inventory size to enhance the chances of finding a match.
- Jeevan will provide all resources and logistic support to achieve this goal.

YOU ARE THE GAME CHANGERS !!! WE NEED YOUR SUPPORT !