# Newsbites May 2015

## babucell The Life Saving Cord Blood Bank

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### UMBILICAL CORD BLOOD – NEW AGE MIRACLE FOR UNMET MEDICAL CONDITIONS

A wide array of major unmet medical needs faced by the world has found hope in stem cells. Stem cells therapy is that emerging branch in medicine which helps cure these diseases with their great therapeutic and biotechnological potential. Stem cells help to create living and functional cells to regenerate and repair tissue and organs in the body that are damaged due to age, disease and congenital defects.1

In the last 10 years, Umbilical Cord Blood has been shown to be therapeutically useful for rescuing patients with bone marrow-related deficits and inborn errors of metabolism. Umbilical Cord Blood offers advantages over bone marrow because cord blood does not require perfect human leukocyte antigen (HLA) tissue matching, has less incidence of graft vs. host disease and may be used allogenically (for others). 2,3

The first transplant using cord blood was performed in a 5-year old boy with Fanconi Anaemia, an inherited bone marrow failure syndrome which can only be cured by allergenic Haematopoietic Stem Cell Transplant.4

The mother of the patient was pregnant with a girl child who was known, before birth, to be HLA-identical to her brother and not a carrier of the same genetic defect. The sister's cord blood was collected and cryopreserved at birth and transplanted to the patient. More than 26 years later, the patient is alive and well with a normal hematologic and immunological reconstitution provided by his donor cells.

More recently cord blood has also been used as a stem cell source for patients without a donor and more than 2000 Cord blood Haematopoietic Stem Cell Transplants are performed annually. ⁵ To date, more than 35,000 patients worldwide have received an UCB transplant.6

With India's booming birth rate of 26 million births per year 10 and genetic diversity; the country would be poised to be the largest collector of UCB in the world.

UCB banks are growing in support of the increase in utilization of this newest graft source with recent reports indicating that there are greater than 450,000 unrelated units banked worldwide for potential clinical use 7.8.

There are now nearly 142 public banks and at least an additional 25 private banks actively involved around the world in collecting, processing, testing and cryopreserving UCB for potential future use as therapeutics 7.9. At present there are at least three public and seven private cord blood banks in India.

Babycell, one of the best private banks, was established in 2009 as the first Indian biotechnology company to introduce cutting edge technology platform for regenerative medicine in India. It has achieved ISO 13485 in the very first year of operations and certified with GMP, GLP and GCP in its 2nd year of operations. Babycell has till date gained trust of thousands of people and successfully preserved the stem cells of more than 12000 families and is continuing to do so.

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Motherhood is a promise of new life and new hope. This Mother's day make a new promise to protect your child forever by preserving their Stem Cells.

Babycell wishes all a

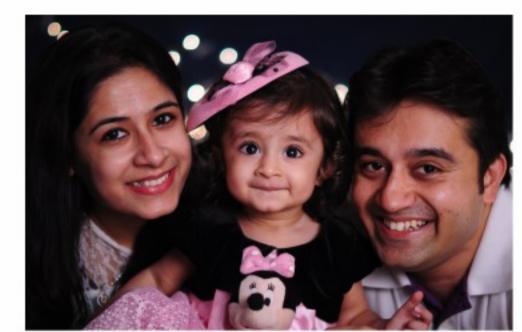
# **Happy Mother's Day!**

Let the cord of love be connected forever with Babycell.

## **CLIENT TESTIMONIAL**

"We have banked our baby's stem cells with Babycell considering nothing but the best for my little girl! We hope that we never see the time when we need to use our stored cord blood cells, but we are rest assured knowing that it is stored with Babycell. Babycell's processing technology is superior to any other banks and the value added services like CFU, HLA Typing and personalized ANC/PNC are second to none. Thanks Babycell!!"

- Mr. & Mrs. Bhanushali



## **EVENTS**

Indore

Mummy & Tummy Sessions with would-be mother's in various cities like Indore, Mumbai.



Indore



Mumbai

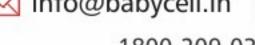
## OFFER OF THE MONTH

This Mother's day gift your child the best of everything with great offers from us.



Keep in touch







on purchase of Moms' Apparel worth ₹2000