

Kiran Infertility Center

Volume 2, Issue 2

Newsletter

March– April 2013 Vol. 2 Issue 2

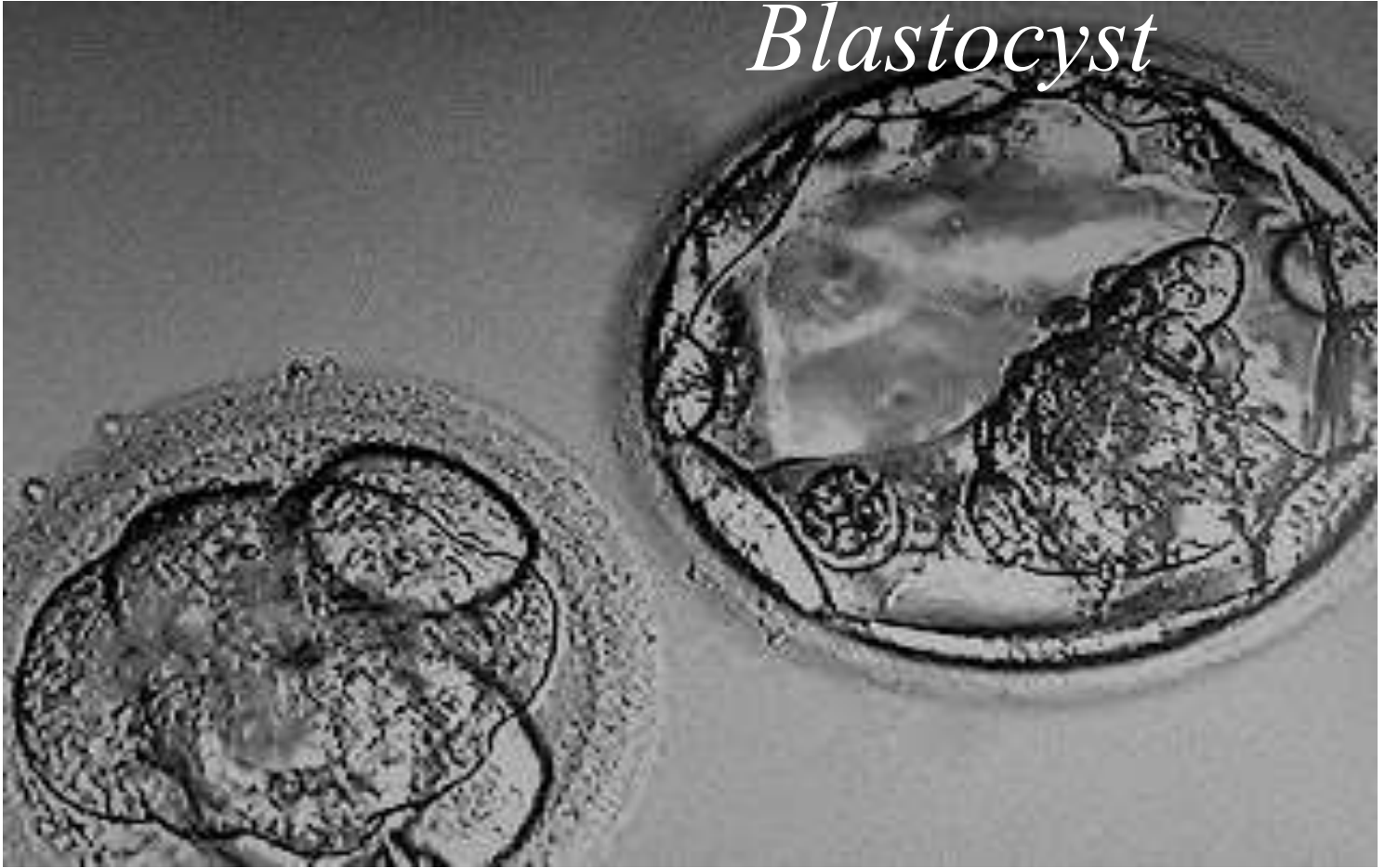


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Medical Insight

Blastocyst



The blastocyst consists of two primary cell types:

1. The inner cell mass which is the source of embryonic stem cells, and
2. The trophoblast, a layer of cells surrounding the inner cell mass and the blastocyst cavity known as the blastocoel which later combines with the maternal endometrium to form the placenta.

The blastocyst develops from the Morula, a solid ball of about 16 undifferentiated, spherical cell. As cell division continues, the blastomeres change their shape and tightly align themselves against each other, forming the fluid-filled cavity called the blastocoel.

The cells now forming differentiate into two types, an inner-cell mass growing on the interior of the blastocoel and cells growing on the exterior of it. In 24 to 48 hours, the zona pellucida breaches, referred to as hatching.

The cells on the exterior of the blastocyst begin excreting an enzyme which erodes epithelial uterine lining and creates a site for implantation. The cells surrounding the blastocyst now destroy cells in the uterine lining, forming small pools of blood, which in turn stimulate the production of capillaries.

This is the first stage in the growth of the placenta. The inner cell mass of the blastocyst divides rapidly, forming two layers. The top layer becomes the embryo, and cells from there occupy the amniotic cavity. At the same time, the bottom layer forms a small sac. Here is a pic of the blastocyst that was transferred this month. For comparison, we have placed a 6 -8(day 5)celled embryo besides the Blastocyst. The embryo stopped growing at 6-8 cells and did not progress further the main reason being- it might have been of inferior quality.

Usually at our clinic, we do a day 3 transfer for 70% of our surrogacy cases, a day 2 transfer in 20% of the cases and a day 5/6 transfer in 10% of the cases. If it is a day 5/6 transfer, then we do not transfer more than 2 Blastocyst. Most infertile couples who come in for IVF or surrogacy are happy having twins but some folks request only a single pregnancy and in these cases we transfer only 1 Blastocyst.

Advantages and disadvantages of a Blastocysts transfer:

Blastocyst transfer can be highly successful for some groups of women, but it isn't right for everyone and does have some drawbacks:

- ◆ Blastocyst transfer can result in a higher likelihood of becoming pregnant when compared with cleavage stage embryo in certain groups of women (higher age group using self eggs).
- ◆ On the contrary, if you opt for blastocyst transfer, you may not get any embryos that develop to the blastocyst stage.
- ◆ There may also be fewer embryos to freeze.

Now a lot of folks advocate a Blastocyst transfer to prevent multiple pregnancies, but even if you have only one blastocyst transferred there is still a small risk of twin pregnancy. This is because at the very early stages of development, blastocysts can split to give monozygotic or identical twins.

~ Dr Samit Sekhar
Program Director- IVF & Surrogacy,
Masters of Men's Health & Andrology, MBBS

Follow Dr. Samit Sekhar's Blog here:
<http://surrogacydoctor.blogspot.in/>



Parent Focus

Claudia & Edison



We can't thank enough Dr. Samit, Anjani and everyone else who helped us become a family. We are planning on a brother or sister for Joshua soon and, Kiran is where we will go for that!

We found out about Surrogacy in India after years of painful disappointments, miscarriages and after losing hope. With some research mostly in Internet we decided for Kiran and couldn't be happier about our decision. We started our journey around April of 2011 by signing our agreement. We knew this was meant to be when we got pregnant at the very first attempt! New parents and without knowing much about surrogacy we had many questions that Dr. Samit and Anjani answered with patience and understanding. We waited anxiously for the ultrasounds and reports of our baby and before we knew, we were part of the Kiran family sharing with them the most important experience of our lives. Our baby boy Joshua was born a few weeks early and although that created some anxiety on our side, the support of everyone at Kiran was what we expected and more.

~ Claudia, Edison and Joshua



Donor Focus

Annet



Hi! My name is Anine and I am an egg donor at Sai Kiran, I am very adventurous person and like helping. The reason why I decided to do the donor ship is because I lost my baby almost a year ago and the pain I felt losing him wasn't near the pain of a parent that can't have one. I am very happy I did it, it was an experience of a life time and would definitely do it again.



Trivia:

On the first ever International Day of the Girl on October 11, 2012 and the launch of 'Because I am a Girl campaign', famous landmarks around the world were turned pink. Maybe you saw the Pyramids go pink? Or the Empire State Building? Niagara Falls? Or how about the London Eye? We bet you thought Asia was off the list, right? Wrong! Plan India went all out pinkifying Qutub Minar, Humayun's Tomb and the Old Fort in Delhi and Char Minar in Hyderabad. Check out all that pink goodness at the link [here](#).



The colorful festival of Holi is celebrated on Phalgun Purnima which comes in February end or early March. The colorful festival bridges the social gap and renew sweet relationships. On this day, people hug and wish each other 'Happy Holi'. Holi celebration begins with lighting up of bonfire on the Holi eve. Numerous legends & stories associated with Holi celebration makes the festival more exuberant and vivid. People rub 'gula' and 'abeer' on each others' faces and cheer up.!





Baisakhi is a seasonal festival with a special accent. It is celebrated all over Punjab on the first of Baisakh. It is on this day that Sun enters Aries, the first sign of Zodiac. Baisakhi falls on 13th April every year. This is the time when harvested crops are gathered in and the farmers exult in the fulfillment of their year's hard work. Singing and dancing are its most enchanting features. The Punjab's famous Bhangra and Giddha are inextricably linked with this festival. The holy book of the Sikhs, 'Granth Sahib' is taken in a procession, led by the 'Panj Pyaras' (five senior Sikhs) who are symbolic of the original leaders. Baisakhi marks the beginning of New Year, particularly in the northern part of India.



The New year festival or Ugadi comes close on the heels of Holi. While the strong colors of Holi start fading away, the freshness of spring lingers on with sprightliness all around. It is believed that the creator of the Hindu pantheon Lord Brahma started creation on this day - Chaitra suddha padhyami or the Ugadi day. The onset of spring also marks a beginning of new life with plants acquiring new life, shoots and leaves. The vibrancy of life and verdent fields, meadows full of colorful blossoms signifies growth, prosperity and well-being. Ugadi marks the beginning of a new Hindu lunar calendar with a change in the moon's orbit. It is a season for raw mangoes spreading its aroma in the air and the fully blossomed neem tree that makes the air healthy. Also, jaggery made with fresh crop of sugarcane adds a renewed flavor to the typical dishes associated with Ugadi. "Panchanga sravanam"-narrating the way the new year would shape up in the lives of people and the State in general. Kavis (poets) of many hues - political, comic, satirical reformist, literary and melancholic - make an appearance on the Ugadi stage. Ugadi is thus a festival of many shades. It ushers in the new year, brings a rich bounce of flora and fills the hearts of people with joy and contentment.

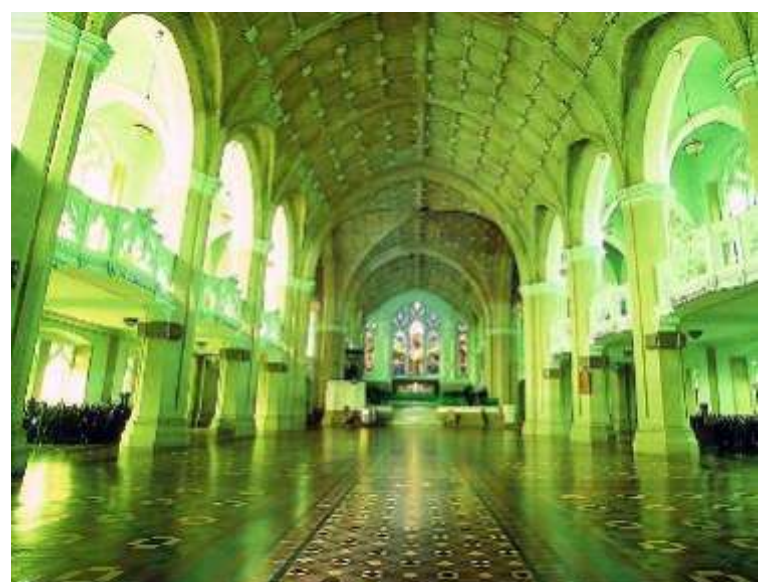
Hot Spot

Chowmahalla Palace



Once regarded as the center of Hyderabad, the magnificent Chowmahalla Palace was the seat of the Asaf Jahi dynasty where the Nizams entertained their official guests and royal visitors. Built over 200 years ago, Chowmahalla is renowned for its unique style and elegance. A synthesis of many architectural styles and influences, the Palace Complex has been meticulously restored. Open now to select individuals and corporates for hosting their dinners, receptions and cultural evenings, Chowmahalla is a location that's unmatched for exclusivity, and offers an experience guests will never forget. Restored with great care, the original Palace buggies that transported the Nizam and his guests, the whole fleet, with liveried assistants in attendance, demonstrate that hospitality indeed begins with four wheels and four legs. As guests enter the courtyard, their eyes are immediately drawn to the Khilwat, the Grand Durbar Hall that was lit up in an ever-changing milieu of colours. This served as a unique backdrop to the whole event and the fantastic evening that was poised to unfold.

In the corridors of the Shishe-Alat, is a group of ladies offering to decorate the hands of lady guests with Mehendi in different exquisite designs. There is also a photo studio set up by the Raja Deen Dayal family, famous royal photographers of erstwhile Hyderabad. Here guests could get pictures taken wearing the royal costumes provided. The Council Hall and the Roshan Bangla were other buildings that in their softly lit, muted beauty, twinkled the night into a mirror of expectations. In front of the haloed precincts of the Khilwat, against the backdrop of the vast expanse of undeniable monarchy, musicians are placed on a raised platform in front. And as the gentle strains of music wafted through the air, guests could also catch a whiff of the delicacies that were being cooked up for them.



Team Focus

Probin



Security In-Charge

We count him as one among the assets of the hospital. He is the go-to guy for Security and coordinates office work and gets all kinds of chores done, from skilled labor to unskilled people. He lives 24x7 at the hospital, and always rushes to help. He has a keen eye and looks out for the slightest changes. But the most important trait in him is the loyalty and commitment he has to his work and company.

RIP

Sir Robert Edwards, the British professor who has been called "the father of IVF," died on 10th April 2013, at age 87. Edwards developed in vitro fertilization with another doctor, and in 1978, the first "test tube baby" was born. When they first developed IVF, Edwards and his partner, the late Dr. Patrick Steptoe, were "accused of playing God and interfering with nature,". But the technique has brought millions of babies into the world and "people now understand that they only had the best motivation". Even so, the Roman Catholic Church denounced his Nobel prize. Edwards was knighted in 2011. He died peacefully in his sleep, at home, following a long illness; the science world is mourning his loss.



Statistics these 2 months:

25 New Intended Parents joined our program

27 International Intended Parents visited KIC

6 Caucasian donors inducted.

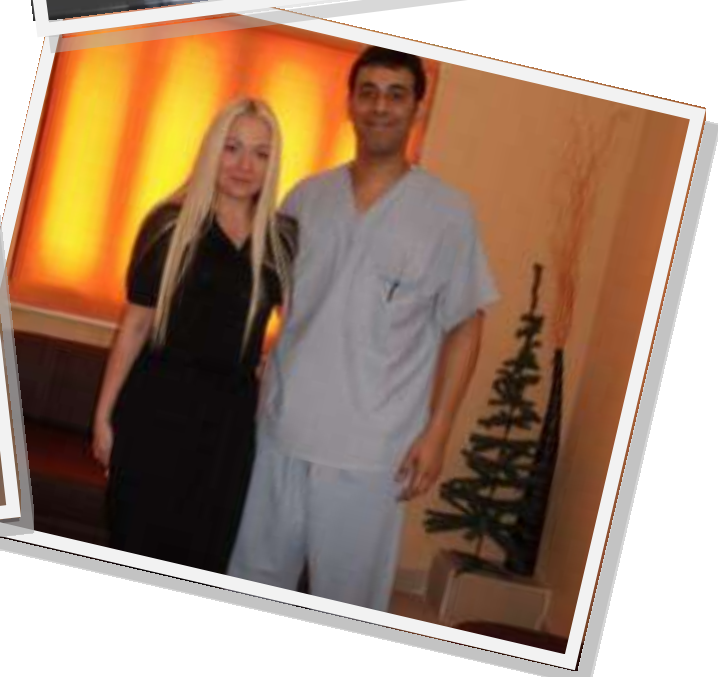
7 Indian donors inducted

55 Embryo transfers carried out .

28 Pregnancies. **12** Births



Some Happy Moments



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