

Kiran Infertility Center Newsletter

November 2013



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Medical insight

Crispr Technique heralds genetic revolution for embryo screening for chromosomal and genetic defects for ivf and Surrogacy

A breakthrough in genetics – described as “jaw-dropping” has created intense excitement among DNA experts around the world who believe the discovery will transform their ability to edit the genomes of all living organisms, including humans.

The development has been hailed as a milestone in medical science because it promises to revolutionize the study and treatment of a range of diseases, from cancer and incurable viruses to inherited genetic disorders such as sickle-cell anaemia and Down syndrome.

For the first time, scientists are able to engineer any part of the human genome with extreme precision using a revolutionary new technique called Crispr, which has been likened to editing the individual letters on any chosen page of an encyclopedia without creating spelling mistakes. The landmark development means it is now possible to make the most accurate and detailed alterations to any specific position on the DNA of the 23 pairs of human chromosomes without introducing unintended mutations or flaws, scientists said.

The technique is so accurate that scientists believe it will soon be used in gene-therapy trials on humans to treat incurable viruses such as HIV or currently untreatable genetic disorders such as Huntington's disease. It might also be used controversially to correct gene defects in human IVF embryos, scientists said.

The new gene-editing technique could address many of the safety concerns because it is so accurate. Some scientists now believe it is only a matter of time before IVF doctors suggest that it could be used to eliminate genetic diseases from affected families by changing an embryo's DNA before implanting it into the womb for both ivf and Surrogacy

Parent Focus



Thanks giving message
from spanish couple

Hi DR. Samit Sekhar And
the Team at KIC

It is going to be pretty obvious what we are thankful for the most this year - our turkey (pavocito) Álvaro. We are thankful to KIRAN Infertility centre for making our little turkey possible, for the surrogate who endured the pregnancy, flexible loans and American credit cards without limits, and most of all for all of our friends and family who have been pouring enormous amounts of love on our little Alv helping him to grow into the awesome little man he is be coming! Happy Thanksgiving!

Surrogacy story from Jak Shih.

Thank you and your wonderful team for helping me have a family of my own. Without the help of your clinic and the wonderful surrogate mother this would never have happened.

I would also like to thank you for the help with the exit document. Ranbeer singh and Satvinder singh were on top of it and have been very helpful. My flight is tonight so I bid you and your team farewell and best of luck in the future. Thank you for everything.



Donor Focus

Melanie

It was a pleasure being in Hyderabad,INDIA. It is a beautiful city and the colour and vibrancy is simply amazing something I would never be able to experience in my country. I would like to thank kiran Infertility centre and Dr.Samit Sekhar for their hospitality and care. The Doctors and Nurses at the clinic are amazing and made me feel very comfortable. I feel blessed to be given this opportunity to help childless couples.



Statistics

- 15 New Intended parents joined our Surrogacy program and 24 new patients joined the IVf program
- 4 Caucasian donors and 10 Indian donors were inducted into the program.
- 64 Embryo transfers done.
- 29 Tested positive for pregnancy.

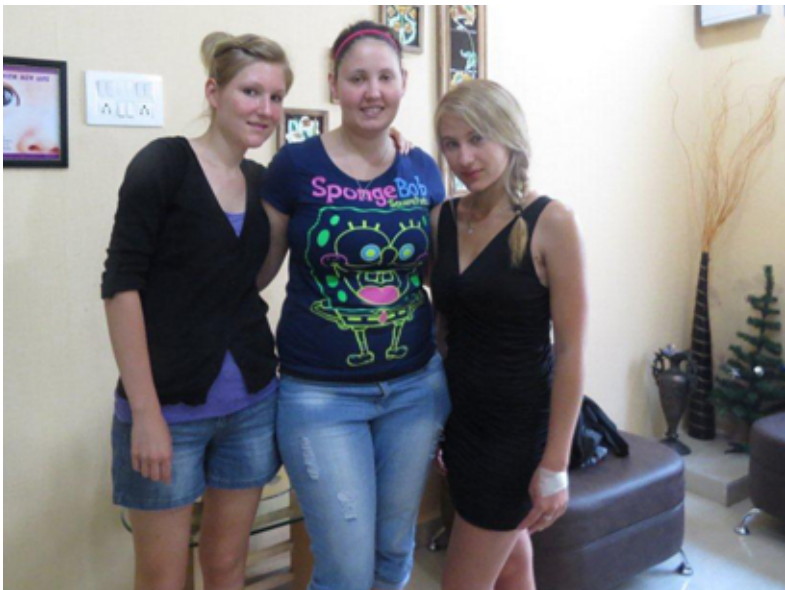
Team Focus



Nurse Elcy-a highly valued member of our team

She is amongst the most hard working people you will find. highly experienced and skilled with a very compassionate heart to help the infertile couples, surrogate mother and egg donors. a highly valued member of our team.

Happy Memories at KIC



Happy Memories at KIC



Events

Diwali: Festival of Lights

Deepawali or Diwali is certainly the biggest and the brightest of all Hindu festivals. It's the festival of lights (deep = light and avari = a row i.e., a row of lights) that's marked by four days of celebration, which literally illumines the country with its brilliance, and dazzles all with its joy. Each of the four days in the festival of Diwali is separated by a different tradition, but what remains true and constant is the celebration of life, its enjoyment and goodness.

The Origin of Diwali

Historically, the origin of Diwali can be traced back to ancient India, when it was probably an important harvest festival. However, there are various legends pointing to the origin of Diwali or 'Deepawali.' Some believe it to be the celebration of the marriage of Lakshmi with Lord Vishnu. Whereas in Bengal the festival is dedicated to the worship of Mother Kali, the dark goddess of strength. Lord Ganesha, the elephant-headed God, the symbol of auspiciousness and wisdom, is also worshiped in most Hindu homes on this day. In Jainism, Deepawali has an added significance to the great event of Lord Mahavira attaining the eternal bliss of nirvana. Diwali also commemorates the return of Lord Rama along with Sita and Lakshman from his fourteen year long exile and vanquishing the demon-king Ravana. In joyous celebration of the return of their king, the people of Ayodhya, the Capital of Rama, illuminated the kingdom with earthen diya (oil lamps) and burst crackers.



Events

The Significance of Lights & Firecrackers

All the simple rituals of Diwali have a significance and a story to tell. The illumination of homes with lights and the skies with firecrackers is an expression of obeisance to the heavens for the attainment of health, wealth, knowledge, peace and prosperity. According to one belief, the sound of fire-crackers are an indication of the joy of the people living on earth, making the gods aware of their plentiful state. Still another possible reason has a more scientific basis: the fumes produced by the crackers kill a lot of insects and mosquitoes, found in plenty after the rains.

From Darkness Unto Light...

In each legend, myth and story of Deepawali lies the significance of the victory of good over evil; and it is with each Deepawali and the lights that illuminate our homes and hearts, that this simple truth finds new reason and hope. From darkness unto light — the light that empowers us to commit ourselves to good deeds, that which brings us closer to divinity. During Diwali, lights illuminate every corner of India and the scent of incense sticks hangs in the air, mingled with the sounds of fire-crackers, joy, togetherness and hope. Diwali is celebrated around the globe. Outside India, it is more than a Hindu festival, it's a celebration of South-Asian identities. If you are away from the sights and sounds of Diwali, light a diya, sit quietly, shut your eyes, withdraw the senses, concentrate on this supreme light and illuminate the soul.



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