

Japanese firm receives patent in India for nanosheet technique

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To treat corneal endothelial disease



A novel cell transplantation method to treat corneal endothelial diseases such as bullous keratopathy using a nano-composite gel sheet developed by Japanese scientists was granted Indian patent to GN Corporation (GNC), Japan.

This method was earlier granted a Japanese patent, in which one cadaver donor cornea derived cells could be used to save vision of several patients' eyes using lab grown corneal endothelial precursor cells.

GNC has partnered with JBM Inc., & Edogawa Evolutionary Laboratory of Science, Tokyo to set up a nanomaterial development facility to produce this nano-composite gel sheet and are open for collaboration with both academic and industry partners in propagating this technique globally.

Patients in developing nations where the corneal donor grafts are inadequate to meet the need for patients with corneal diseases waiting for transplantation, will be benefitted by this technique according to the inventors.