

Noida News: Drone safely carried blood and plasma bags up to 35 km away

by Shweta May 11, 2023

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For the first time in India, the trial of delivery of blood bags by drone was successful.

plasma and platelets taken from Jims to Jaypee Institute

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r Noida. Till now drones were used for monitoring by connecting CCTV cameras. But this
que will now be used to save the lives of patients. Blood, plasma, platelets or other essential
material can be transported by drone from one city to another or from one hospital to another. On
Wednesday, blood and plasma were safely transported to the Jaypee Institute of Information
Technology, Sector-62, about 35 km from the Government Institute of Medical Sciences (GIMS).
This trial, under the supervision of ICMR, has been successfully tested for the first time in India.

This trial is going on for about 15 days in Jims by the Indian Council of Medical Research (ICMR). A
research team of IIIT professors and students is monitoring and operating the drone's movement
from one place to another. During the research the quality of red blood cells, fresh frozen plasma,
platelets were tested. It was observed that there is no difference in the quality of these at the time
of dispatch and during the time elapsed till reaching the second place. The researchers of the
Government Institute of Medical Sciences checked whether all these life-giving products were
spoiled or not. Researchers from ICMR, Jims, Lady Hardinge are checking their quality. Protocol
development, study designing, implementation and project coordination are also being done.

Researchers claim that the quality of all blood products kept in bags in the first phase was better. According to the standards, there will be trials in several phases. If the research is successful, blood, plasma and platelets etc. can be delivered to hospitals through drones. Apart from this, blood samples can also be sent for examination as per the requirement in pathology. During the , samples of 10 units of blood, plasma and platelets have been sent by drone from Jims and / Hardinge Hospital to Sector-62. Here the Chief Guest, Director General of ICMR and etary, Department of Health Research, Government of India, Dr. Rajiv Behl, Director of GIMS, adier Dr. Rakesh Gupta, Dr. Sumit Agarwal, Dr. Kuldeep Nigam and Dr. Nupur Mahajan, Prof. lini Bahadur and Prof. Rambha Pathak, Prof. Pammi Gauba, Prof. Anita Nangia and Sangeeta .ja etc. were present.