

Annexure IX

Clinical Innovation Report

Month: October 2021

Name of the location: Apollo Hospitals Bilaspur

Clinical Innovations

List of clinical innovations to be shared.

The clinical innovations can be shared under the following heads:

- A new procedure, done for the first time in India / the region and which is considered to be significantly different from existing clinical practice – Nil
 - A rare procedure/ Interesting case- **Renal transplant done by Dr.Jignesh Pandya (Senior Consultant, Nephrology)**
1. The patient, Mr DG 27years old male was on hemodialysis since 8years for ESRD. He had no real donor in the family with blood group match. The patient has O positive blood group. He was counselled for ABO incompatible transplant. His mother came forward with blood group of B positive.
 2. ABO incompatible transplant is a reality in present times. The first ABO incompatible transplant in Chhattisgarh state was done by us at Apollo Hospitals Bilaspur in November 2018 successfully. The present case was the second only in the state which was performed successfully on 08/10/2021.
 3. Renal transplant in Chhattisgarh is slowly progressing with few centers involved. Conventional ABO compatible live related transplant is the policy for most transplant centers, including Apollo Hospitals Bilaspur making organ availability restricted in many cases. Hence new avenues of renal transplant are explored that includes cadaver transplant, paired donation and ABO incompatible transplant.
 4. Unfortunately cadaveric transplant is not approved by Chhattisgarh government at present and paired donation is yet to be explored. In this background, we at Apollo

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Hospitals, Bilaspur choose ABO incompatible transplant and pioneered first two cases of ABO incompatible transplant in Chhattisgarh which has paved the way for increasing donor pool and overall live renal transplant activity in the local region.

5. In order to perform this case, the recipient underwent complex medical conditioning, where in he got plasmapheresis sessions with Rituximab & IVIG to be able to get the allograft. After successful reduction in anti-blood group antibody titre the transplant was done successfully on 8/10/2021 followed by immediate graft function and rapid recovery of the recipient.
- Variation in an operating procedure or intervention or diagnostic procedure – Nil
 - A new medical treatment – Nil
 - Large volumes of a complex / rare procedure – Nil