

## **Surgeons at Fortis Hospital, Mulund perform ‘Hybrid Surgery’ on 8yr old boy suffering from structurally abnormal heart**

*~ Hybrid procedure was performed for the 1st time in India to correct CHD on an 8r old ~  
~ Dr Vijay Agarwal, Chief, Pediatric Cardiac Surgery, Dr. Hasmukh Ravat, Sr. Interventional Cardiologist &  
Dr Girih Warawdekar Sr. Interventional Radiologist, Fortis Hospital, Mulund treated the child ~*

**Mulund, Mumbai:** A team of Cardiac Surgeons, Radiologist and Cardiologists from Fortis Hospital, Mulund performed ‘Hybrid Surgery’ on little Mahesh; an 8yr old male from Ahmednagar, who was diagnosed with a heart condition in which, one chamber of the heart, the Right ventricle (RV) was small and non-functioning. The patient was brought into the hospital when his heart could no longer supply blood to the lungs due to its structural abnormality. The child’s skin had a tinge of blue at all times and he could no longer walk without grasping for breath at every step.

In such a situation, the patient generally undergoes surgery twice, within a gap of few months to years; 1st stage surgery the GLENN Procedure followed by the FONTAN Procedure. The second surgery is complicated with higher risk. It also induces mental and physical trauma for the child and family. Since the surgeries are complex, severe complications could arise, requiring the patients to be hospitalized for longer durations.

At Fortis hospital Mulund, instead of performing a conventional two stage procedure, the boy underwent the ‘**Hybrid Surgery**’ i.e. the first stage surgery followed by interventional procedure (no second surgery). Dr Vijay Agarwal, Chief, Pediatric Cardiac Surgery, Dr Girish Warawdekar, Dr. Interventional Radiologist and Dr Hasmukh Ravat, Sr. Interventional Cardiologist jointly performed the procedures.

Impure blood from the head and upper body was directed straight to the lungs in the 1<sup>st</sup> stage in an open heart surgery and in the 2<sup>nd</sup> stage the same was done for blood in lower body to the lungs, and partly heart by interventional {non-surgical} procedure. The innovation is to do the 2nd stage without an operation thereby avoiding long post-operative stay and risks associated it. Though ‘Hybrid procedure’ is performed abroad, till date institutions in India perform the traditional two stage surgery. This procedure was performed for the 1<sup>st</sup> time in India for this congenital heart disease.

Commenting about this case, **Dr Vijay Agarwal, Chief Pediatric Cardiac Surgery, Fortis Hospital, Mulund** said, “Mahesh has been very brave; normally patients find it difficult to cope with the pre-operative



condition. Hybrid Procedure is a very high risk and our young patient has emerged a survivor; our team worked relentlessly to ensure that he goes back to this family”.

Commenting on this case, **Dr Hasmukh Ravat, Sr. Interventional Cardiologist, Fortis Hospital, Mulund**, said, “Mahesh underwent the Hybrid surgery which was necessary to save his life, many thanks to the Chief Ministers Relief fund and Fortis Foundation, the family did not face any financial hurdles”.

**Dr Girish Warawdekar Sr. Interventional Radiologist, Fortis Hospital, Mulund** said, “This unique approach resulted into what our little patient’s parents hoped for. Mahesh did not have to undergo second surgery or blood transfusion. The patient is now leading a good quality of life”.

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**About Fortis Healthcare Limited:**

Fortis Healthcare Limited is a leading integrated healthcare delivery service provider in India. The healthcare verticals of the company primarily comprise hospitals, diagnostics and day care specialty facilities. Currently, the company operates its healthcare delivery services in India, Dubai, Mauritius and Sri Lanka with 45 healthcare facilities (including projects under development), approximately 10,000 potential beds and over 330 diagnostic centres. **PRESS RELEASE** For Immediate Publication

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