3D CONNECT

3D printing for a new paradigm in medical & surgical planning

Dr.: Swati Garekar (Paediatric Cardiologist)

Case: 10-month old Infant weighing 4.6 kg with a double outlet right ventricle. The great arteries are d-imposed & the aortic valve is anterior to the pulmonary valve. There is a moderately severe pulmonary stenosis with a peak gradient of 54mmHg. Pulmonary valve is hypo plastic and the branch pulmonary artery is confluent and normal in size. There is a large inlet ventricular septal defect which is separated from semilunar valve by a small chunk of conal septum. The ventricular septal defect is routable to the aorta with a long baffle.

Surgery: The patient underwent a Nikaidoh complex surgery. Two great arteries arising from the heart were disconnected & repositioned. The hole in the heart was closed.



3D printed pre-surgical anatomical models, pre-surgical guides and customised surgical implants used in:







REACHING ACCURATE DIAGNOSIS



PATIENT-DOCTOR COMMUNICATION



PRE-SURGICAL PLANNING

3D future technologies

3rd Floor, Ador House, 6, K. Dubash Marg, Fort, Mumbai - 400001 Tel: + 9122 61935500 info@3dfuturetechnologies.com, www.3dfuturetechnologies.com