

DR ASEEM R SRIVASTAVA

'Dr Aseem R Srivastava' is the Head for the Division of Pediatric Cardiothoracic Surgery at Artemis Hospital. He received his medical degree (MBBS) from GSVM Medical College, training in General Surgery (M.S) from King George Medical University, and training in Cardiothoracic Surgery (M.Ch) at GB Pant Hospital. He then worked as a Cardiac Surgeon in Delhi for about 4 years before leaving for the United States to work with few of the most prominent programs in Pediatric Cardiac Surgery. He received his training in Pediatric Cardiac Surgery at 'The Children's Hospital of Philadelphia' and 'The Children's Hospital of Pittsburgh of UPMC' before joining The East Carolina Heart Institute where he gained extensive experience in Minimal Access Cardiac Surgery and Robotic Cardiac Surgery. On his return to India, Dr Srivastava joined Artemis Hospital in May 2015. Dr. Srivastava brings with him vast experience in reconstructive operations in neonates, infants and children and is a strong proponent of early corrective repair when possible.

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FOR OUR PATIENTS IN UGANDA

What is AV Canal/Septal Defect (AVCD or AVSD)?

Omutima ogwa bulijjo gulina ebisenge bina- ekisenge bibiri ekya waggulu (Right Atrium - kifuna omusaayi gwa bbululu okuva mu mubiri, Left atrium efuna omusaayi omumyufu ogulimu oxygen okuva mu mawuggwe) ne ventricles bbiri (Right Ventricle - efuna omusaayi okuva mu atrium eya ddyo n'egupampagira okutuuka ku... amawuggwe ne Left Ventricle efuna omusaayi okuva mu atrium ya kkono n'egupampagira mu mubiri).

Kale, omusaayi gwa bbululu okuva mu mubiri gutuuka mu atrium eya ddyo, ne gugenda mu ventricle eya ddyo, ne gusindikibwa mu mawuggwe.

Amawuggwe gajja kwongera Oxygen mu musaayi ate omusaayi gwa bbululu gufuuke omumyufu, omusaayi guno omumyufu gudda mu kisenge ekya waggulu ekya kkono (left atrium), gugenda mu ventricle ya kkono ate ventricle ya kkono n'egupampagira mu mubiri.

Omusaayi ogwa bbululu ku ludda olwa ddyo olw'omutima n'omusaayi omumyufu ku ludda olwa kkono olw'omutima bikuumibwa nga byawuddwamu nga byawulwamu 'ekisenge' mu bisenge byombi ebya waggulu n'ebya wansi- Atrial Septum ye bbugwe wakati w'omusuwa ogwa ddyo ne ogwa kkono ate Ventricular Septum ye ekisenge wakati w'ebisenge ebibiri ebipampagira- Right ventricle ne Left Ventricle.

AV Canal Defect (AVSD) bwe buba ekitundu ekikwatagana wakati wa Atria ne Ventricle (ebisenge ebya waggulu n'ebya wansi eby'omutima) bwe kitakola- era bino bivaako ensonga ssatu ezeetaaga okutereezebwa nga balongoosebwa-

1. Ekituli (ekikyamu) mu bbugwe (septum) ekyawula ebisenge ebya waggulu ebifuna omusaayi (Atrium- Atrial Septal defect) .

2. Ekituli (ekikyamu) mu bbugwe (septum) ekyawula ebisenge eby'okupampagira wansi eby'omutima (omusuwa ogwa ddyo ne kkono- Ventricular septal defect) ne

3. Valiva ezikoledwa mu bujuvu wakati w'ebisenge ebya waggulu n'ebya wansi (Mitral ne Tricuspid Valves) ezitakola bulungi era nga zitera okukulukuta.

Why do the surgery?

Puleesa eya bulijjo mu mubiri eri ku mm 120- eno ye puleesa ekolebwa omusuwa gwa kkono – kale, nga bw'oyinza okutegeera, puleesa mu musuwa gwa kkono eri nga mm 120.

Puleesa eya bulijjo mu musuwa gw'amawuggwe (egutwala omusaayi okuva mu kisenge kya ddyo okutuuka mu mawuggwe) eri nga mm 30- era bwe kityo, omusuwa ogwa ddyo gupampagira ku puleesa ya mm 30 nga eno eri wansi nnyo okusinga oludda olwa kkono.

Ventricular septum eyawula ventricle ya kkono ku ventricle eya ddyo era esobozesa ventricles zombi okupampagira omusaayi ku puleesa ez'enjawulo.

Wabula singa wabaawo ekituli ekinene mu septum eno (VSD), olwo omusaayi okuva mu ventricle ya kkono ku puleesa eya waggulu ennyo gusingira mu ventricle ya ddyo- gwongera puleesa mu ventricle ya ddyo n'omusuwa gw'amawuggwe ne gwongera puleesa mu mawuggwe (Puleesa y'emisuwa gy'amawuggwe- PAH).

Kino kivaako obubonero bw'omutima okulemererwa (Okussa obubi, Okukwatibwa endwadde mu kifuba enfunda eziwera, okulemererwa okweyongerera okugejja, okuliisa obubi, n'okutuuyana ng'olina emmere n'ebirala)

Valiva wakati w'ebisenge ebya waggulu n'ebya wansi eby'omutima (Mitral ne Tricuspid Valves) ziriwo okukuuma okutambula kw'omusaayi mu kkubo ettuufu - ebisenge ebipampagira bwe binyigiriza – vvaalu zino zijja kuggalawo, era omusaayi tegujja kugenda mabega mu kisenge eky'a waggulu.

Mu baana abalina obuzibu mu AV Canal valve zino tezitondebwa bulungi era zitera okukulukuta – ekivaako omusaayi okudda emabega mu bisenge ebya waggulu ng'omutima gusika- kino kyongerera obulabe bw'omutima okulemererwa.

Okuddaabiriza ekikyamu kino nga olongoosebwa kijja kukendeeza ku puleesa ku ludda olwa ddyo olw'omutima, kijja kukendeeza ku kukulukuta mu vvaalu era bwe kikolebwa mu kiseera ekituufu- kijja kuleetera omwana obulamu obwa bulijjo mu bukulu.

Surgical procedure

Okulongoosa kutera okukolebwa ng'omwana alina emyezi nga esatu- wabula, kuyinza okukolebwa nga bukyali singa obubonero bw'omwana obw'okulemererwa kw'omutima tebusobola kufugibwa ddagala. Era kirungi nnyo okulongoosa abalongo abalina embeera eno ey'omutima tekulina kulwawo kusukka myezi 6 kubanga oluvannyuma lw'emyaka gino, ekitundu ekinene eky'abaana bajja kufuuka abatalongoosebwa.

Omusawo alongoosa asala wansi mu maaso g'ekifuba okusobola okutuuka ku mutima. Omutima guyungiddwa ku kyuma ekiyita ku mutima n'amawuggwe. Ekyuma kino kitwala omulimu gw'omutima ogw'okusiba omusaayi omusawo alongoosa asobole okuyingira mu mutima okuguddaabiriza.

'Ebituli mu mutima' (ventricular septal defect ne atrial Septal Defect) bitera okuggalwa n'ekipande era valve ne ziddaabirizibwa n'emisono.

Okulongoosa kuno kugenda kutwala essaawa ttaano ku mukaaga okuva ku ntandikwa okutuuka ku nkomerero.

Risks and benefits of the surgery

Omugaso gw'okulongoosebwa omwana kuba n'omutima ogukola obulungi.

Kino kyanditegeeza nti omwana tajja kuba na bubonero bwa kulemererwa mutima era okukula kwe n'okukula kwe kujja kuba kulungi. Okugatta ku ekyo, akabi k'okufa n'okulemererwa kw'omutima nabyo byewalibwa

Obulabe bw'okulongoosebwa mulimu: okuvaamu omusaayi, yinfekisoni, okusannyalala, okwonooneka kw'ebitundu by'omubiri, okwetaaga okulongoosebwa okw'ekiseera oba okw'olubeerera

pacemaker, oba oboolyawo okufa. Wabula omugatte gw'obulabe bwa bino okubeerawo buli 4 ku 5% oba wansi.

What to expect during the hospital stay?

Obuwanvu bw'okubeera mu ddwaaliro butera okwawukana okuva ku nnaku ttaano okutuuka ku kkumi, era kino kijja kusinziira ku ngeri omutima gye gukola amangu awona.

Okumala ennaku ntono oluvannyuma lw'okulongoosebwa, tujja kulabirira omwana wo mu ICU. Mu Intensive Care Unit, tujja kukuuma omutima gw'omwana, Puleesa, Okussa n'emirimu gy'ebitundu by'omubiri ebirala.

Okwewala okutaataaganyizibwa ennyo mu kulabirira omwana wo, waliwo okuziyiza abagenyi, wabula abazadde basobola okukyalira omwana.

Going home:

Eddwaaliro ligenda kuwa ebiragiro ebitongole ebikwata ku kusiibulwa, olukalala lw'eddagala n'emiwendo n'ebiwandiiko ebikwata ku kulongoosebwa. Onna ebiragiro okuva mu ddwaaliro, omusawo alongoosa omutima, n'omusawo w'omutima birina okugobererwa ennyo. Omwana alina okudda mu nkola ye eya bulijjo ng'atuuse awaka. Mu wiiki esooka, omwana ayinza okwagala okwebaka ennyo oba okuzuukuka oluusi n'oluusi ekiro- era kino kya bulijjo. Omwana tulina okumulaba oluvannyuma lw'ennaku 3-6 ng'asiibulwa mu ddwaaliro



'We greatly appreciate this translation by a care provider of our most recent patient.'