



## Boston Children's Hospital

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Senior Associate in Cardiovascular Surgery



## HARVARD MEDICAL SCHOOL TEACHING HOSPITAL

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September 25, 2024

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### 2<sup>ND</sup> OPINION

NAME: EFIM IGNATOV  
MRN: 71157271  
DOB: 10/18/2017

Dear Dr. Kadyrov:

Thank you for sending me information on Efim Ignatov, a 7-year-old boy with a history of hypoplastic left heart syndrome with mitral stenosis and aortic stenosis who underwent a hybrid stage I palliation followed by comprehensive stage II palliation—subsequent emergent pulmonary thrombectomy and takedown of the Glenn with placement of RV-PA conduit. The patient has oxygen saturation in the 80% range. You have requested an opinion regarding management.

I had a chance to review the imaging studies, including the CT scan, which demonstrates two ventricles with mild hypoplasia of the left ventricle, a mitral valve annulus that measures slightly on the small range with a Z score of -2.8, and a patent right ventricle-to-pulmonary artery conduit.

Typically, for a child with this type of anatomy, we would consider biventricular repair or staging toward a biventricular repair in the appropriate patient. However, we would typically utilize MRI with flow measurements to better delineate the status of the left ventricle and flow pattern. We would typically also obtain cardiac catheterization to better delineate filling pressures. The ascending aorta is a bit on the small side, so that would need to be augmented, and the question is whether this procedure could be done as a single stage with mitral valve repair and staging towards a biventricular repair versus a single stage anatomic or non-anatomic biventricular repair.

In summary, for a child such as Efim, we would consider an MRI to better delineate the ability to perform either a staging towards a biventricular repair or a single-stage biventricular conversion using either an anatomic or a non-anatomic approach.

Please let me know if I can provide any further information or if you would like to discuss further.

Sincerely,

Sitaram Emani, M.D.

SE:snf