



National Institute for  
Cardiovascular  
Outcomes Research

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Mr Matthew Shaw, Medical Director  
Dr Graham Derrick, Consultant Paediatric Cardiologist  
The Hospital for Sick Children  
Great Ormond Street  
London  
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19th June 2018

Dear Mr Shaw and Dr Derrick

Ref: Specific procedure: confirmed outlier status 2014-17

Our analysis of centre specific results for individual congenital cardiac procedures in the 2014-17 cohort, has confirmed that the 30 day postoperative survival at the Hospital for Sick Children, Great Ormond Street, for transcatheter procedures involving systemic to pulmonary collateral arteries is an outlier beyond the 98% confidence 'alert' limit (Funnel and Table overleaf).

The first stage of the outlier process is to confirm that the data on which these analyses are based are correct. After discussion with our Clinical Auditor, we understand that your database manager has confirmed these facts.

We are aware that the outlier status is likely to be due to a statistical effect of the small number of procedures undertaken. As such procedures are usually associated with a very low mortality, it only takes one or two cases to push a centre across the statistical alert (green) line.

For the next stage of the notification process, you are required to provide acknowledgement of receipt of this letter within the next 10 working days. The deadline for submitting the above is **2<sup>nd</sup> July 2018**.

As this is an 'alert' your Medical Director and Departmental Clinical Lead would be expected to initiate a local review of cases undertaken of your congenital heart disease surgical service, in particular the deaths in this period, and triangulate information with other governance information to see if further enquiries are required. This should give a better understanding of the reasons and contributing factors to the deaths in this time period.

NICOR would be pleased to publish any resultant report that is produced and this would be linked to this specific procedure analysis once published on the NCHDA web portal.

This process is in accordance with the HQIP Guidance 'The detection and management of outliers for National Clinical Audits' (<https://www.hqip.org.uk/resource/detection-and-management-of-outliers-for-national-clinical-audits>).

In relation to all NCHDA outliers, NICOR is also required to notify the Congenital Heart Disease Programme Director and NHS England Regional Director (copied into this letter).

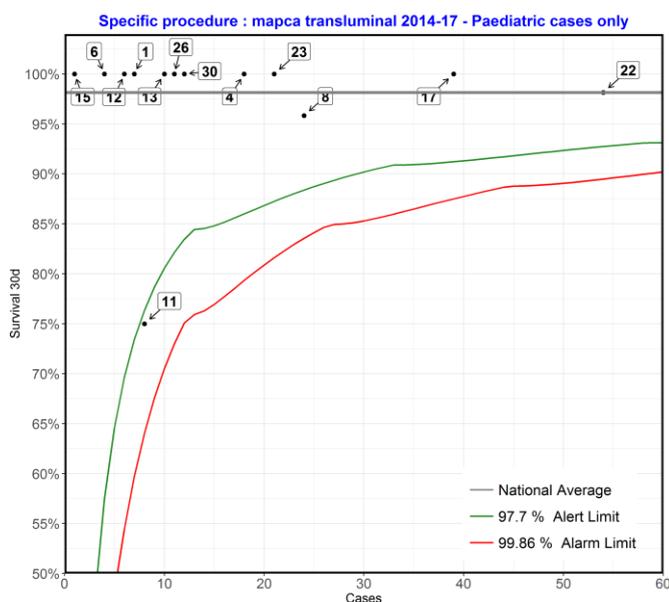
Yours sincerely,



Professor John Deanfield  
NICOR Director



Dr Rodney Franklin  
National Congenital Heart Disease Audit Lead  
Clinician



Hospital No	Hospital Name	Cases	Alive 30d	Dead 30d	Survival 30d
22	London Royal Brompton Hospital	54	53	1	98%
17	Leeds General Infirmary	39	39	0	100%
8	Newcastle Freeman Hospital	24	23	1	96%
23	Dublin Our Lady's Children's Hospital	21	21	0	100%
4	Birmingham Children's Hospital	18	18	0	100%
30	Southampton Wessex Cardiothoracic Centre	12	12	0	100%
26	Glasgow Royal Hospital for Children	11	11	0	100%
13	London Evelina London Children's Hospital	10	10	0	100%
11	London Great Ormond Street Hospital for Children	8	6	2	75%
1	Liverpool Alder Hey Hospital	7	7	0	100%
12	Leicester Glenfield Hospital	6	6	0	100%
6	Bristol Royal Hospital For Children	4	4	0	100%
15	London Harley Street Clinic	1	1	0	100%

CC Mr Michael Wilson Programme Manager NHSE  
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