## THAMES VALLEY & WESSEX ODN NEONATAL CARDIAC PATHWAYS

<table>
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<td>Date of publication</td>
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<tr>
<td>Authors</td>
<td>Dr Eleri Adams  TV Clinical Lead  Dr Victoria Puddy Wessex Clinical Lead</td>
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<tr>
<td>Distribution</td>
<td>Thames Valley and Wessex Neonatal Clinical Forums  Thames Valley and Wessex Neonatal Network website</td>
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<tr>
<td>Related documents</td>
<td>British Association of Perinatal Medicine (BAPM) Service Standards (August 2010)</td>
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<td></td>
<td>Department of Health: Toolkit for High Quality Neonatal Services (2009)</td>
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<td></td>
<td>Paediatric Congenital Heart Disease Specification May 2016 NHS England</td>
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<td>NHS England Neonatal Service Specification</td>
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<td>NHS England Neonatal Critical Care Transport Services</td>
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<td>Implications of race, equality &amp; other diversity duties for this document</td>
<td>This guideline must be implemented fairly and without prejudice whether on the grounds of race, gender, sexual orientation or religion.</td>
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1.0 Aim of Pathway

The aim of TV & Wessex Neonatal cardiac pathways is to describe the pathway for neonates who have been identified as having a cardiac abnormality or needing a patent ductus arteriosus ligation within Thames Valley and Wessex Neonatal Network.

2.0 Scope of Pathways

This pathway applies to all neonatal and maternity units covered by Thames Valley Neonatal Network. This includes the following hospitals:

<table>
<thead>
<tr>
<th>Thames Valley</th>
<th>Hospital</th>
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<tbody>
<tr>
<td>Oxford University Hospitals NHS Foundation Trust</td>
<td>John Radcliffe Hospital, Oxford</td>
<td>NICU</td>
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<tr>
<td>Buckinghamshire Healthcare NHS Trust</td>
<td>Stoke Mandeville Hospital, Aylesbury</td>
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<tr>
<th>Wessex</th>
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<td>Princess Anne Hospital</td>
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<tr>
<td>Portsmouth Hospitals NHS Trust</td>
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</tr>
<tr>
<td>Dorset County Hospital NHS Foundation Trust</td>
<td>Dorchester</td>
<td>SCU</td>
</tr>
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<td>Hampshire Hospitals Foundation Trust</td>
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<td>Hampshire Hospitals Foundation Trust</td>
<td>Winchester</td>
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<tr>
<td>Isle of Wight NHS Trust</td>
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</tr>
<tr>
<td>Salisbury NHS Foundation Trust</td>
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<td>Western Sussex Hospitals NHS Foundation Trust</td>
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3.0 Background

Currently 5.9 / 1,000 babies born in England have some form of Congenital Heart Disease (CHD) and paediatric cardiac care is managed within paediatric cardiac networks. This includes those infants who are diagnosed antenatally or postnatally e.g. at Newborn Infant Physical Examination NIPE. The care of children with congenital heart disease is provided within different levels of providers within the UK as set out in NHS England Paediatric Congenital Heart Disease May 2016. This document outlines the clinical cardiac pathways for neonates within Thames Valley and Wessex Neonatal Network.

4.0 Principles

Key principles which have been agreed nationally and are widely accepted include:
• Paediatric cardiac services are provided within designated cardiac centres within a managed paediatric cardiac network of care.

• Individual Trusts are responsible for ensuring neonates requiring cardiology services should be referred to the designated centre within the paediatric cardiac network.

• Neonates who need cardiac surgery should be referred to the designated specialist paediatric cardiac surgical centre where paediatric and neonatal intensive care capacity is available.

• When an antenatal cardiac abnormality diagnosis is made it is expected that women are referred to fetal medicine services for a fetal echocardiogram and cardiology assessment. A management plan including location of delivery should be discussed with the fetal medicine team, cardiology team and neonatal/local paediatric and obstetric teams and parents.

• Neonatal cardiology care should be provided in a centre as close to the neonates home or booked hospital as possible

Appendices:

Appendix I: Thames Valley & Wessex Neonatal Cardiac pathway: Antenatal diagnosis
Appendix 2: Thames Valley & Wessex Neonatal Cardiac Referral pathway
Appendix 3: Thames Valley & Wessex Neonatal Patent Ductus Arteriosus Ligation Referral pathway

Version Control:

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<td></td>
<td>Dr Victoria Puddy Dr Eleri Adams</td>
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<td>Dr Victoria Puddy Dr Eleri Adams</td>
<td>Ratified by TV &amp; W Governance August 2018</td>
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Review Date: October 2020
Appendix I: Thames Valley & Wessex Neonatal Cardiac pathway: Antenatal diagnosis

** No Network Neonatal, Cardiac or PICU bed available. SOWet to arrange referral & transfer out of network if in utero transfer has not been arranged

*** Fetus with conditions that are anticipated to need atrial septostomy should be referred for delivery in UHS
Appendix 2: Thames Valley & Wessex Neonatal Cardiac Referral pathway

**No neonatal cardiac bed available SCOT to arrange referral & transfer out of network**
Appendix 3: Thames Valley & Wessex Neonatal Patent Ductus Arteriosus Ligation Referral pathway

**No Network Neonatal NICU or PICU bed available UHS SONAT / local team to arrange referral & transfer out of network**