## THAMES VALLEY & WESSEX ODN NEONATAL SURGICAL PATHWAY

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<tr>
<th>Approved by/ on:</th>
<th>Thames Valley &amp; Wessex Neonatal ODN Governance Group 19th October 2017</th>
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<tr>
<td>Authors</td>
<td>Dr Eleri Adams  TV Clinical Lead  Dr Victoria Puddy Wessex Clinical Lead</td>
</tr>
<tr>
<td>Distribution</td>
<td>Thames Valley and Wessex Neonatal Clinical Forums  Thames Valley and Wessex Neonatal Network website</td>
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</tbody>
</table>
| Related documents | British Association of Perinatal Medicine (BAPM) Service Standards (August 2010)  
Department of Health: Toolkit for High Quality Neonatal Services (2009)  
NHS England Neonatal Critical Care (Intensive Care, HDU and Special Care) Service Specification E08/S/a  
NHS England Paediatric Surgery: Neonates - Service Specification E02/S/c |
| Implications of race, equality & other diversity duties for this document | This guideline must be implemented fairly and without prejudice whether on the grounds of race, gender, sexual orientation or religion. |
1.0 Aim of Pathway

The aim of TV & Wessex Neonatal surgical pathway is to describe the care pathway for neonates who have been identified as having a surgical abnormality 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 TRUST</th>
<th>Hospital</th>
<th>Designation</th>
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<tbody>
<tr>
<td>Oxford University Hospitals NHS Foundation Trust</td>
<td>John Radcliffe Hospital, Oxford</td>
<td>NICU</td>
</tr>
<tr>
<td>Buckinghamshire Healthcare NHS Trust</td>
<td>Stoke Mandeville Hospital, Aylesbury</td>
<td>LNU</td>
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<tr>
<td>Frimley Health NHS Foundation Trust</td>
<td>Wexham Park Hospital, Slough</td>
<td>LNU</td>
</tr>
<tr>
<td>Milton Keynes University Hospital NHS Foundation Trust</td>
<td>Milton Keynes General Hospital</td>
<td>LNU</td>
</tr>
<tr>
<td>Royal Berkshire NHS Foundation Trust</td>
<td>Reading</td>
<td>LNU</td>
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<table>
<thead>
<tr>
<th>Wessex TRUST</th>
<th>Hospital</th>
<th>Designation</th>
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<tbody>
<tr>
<td>University Hospital Southampton NHS Foundation Trust</td>
<td>Princess Anne Hospital</td>
<td>NICU</td>
</tr>
<tr>
<td>Portsmouth Hospitals NHS Trust</td>
<td>Queen Alexandra Hospital</td>
<td>NICU</td>
</tr>
<tr>
<td>Dorset County Hospital NHS Foundation Trust</td>
<td>Dorchester</td>
<td>SCU</td>
</tr>
<tr>
<td>Hampshire Hospitals Foundation Trust</td>
<td>Basingstoke</td>
<td>LNU</td>
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<tr>
<td>Hampshire Hospitals Foundation Trust</td>
<td>Winchester</td>
<td>LNU</td>
</tr>
<tr>
<td>Isle of Wight NHS Trust</td>
<td>St Mary’s Hospital</td>
<td>SCU</td>
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<tr>
<td>Poole Hospital NHS Foundation Trust</td>
<td>Poole</td>
<td>LNU</td>
</tr>
<tr>
<td>Salisbury NHS Foundation Trust</td>
<td>Salisbury</td>
<td>LNU</td>
</tr>
<tr>
<td>Western Sussex Hospitals NHS Foundation Trust</td>
<td>St Richard's Hospital, Chichester</td>
<td>LNU</td>
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3.0 Background

Congenital surgical lesions/abnormalities are uncommon. Around 3% of newborns have a major physical anomaly, including cardiac and/or neurological abnormalities. Not all congenital abnormalities will need surgery and many will not require intervention in the neonatal period. However, there are a number of congenital conditions that are known to require surgical intervention in the neonatal period. In addition, there are a small number of newborns without congenital anomaly who will develop conditions that require surgery in the neonatal period.

4.0 Principles

Key principles which have been agreed nationally and are widely accepted include:
Neonatal surgical services are specialised and should be provided in designated neonatal surgical centres co-located with neonatal intensive care units (NICUs), specialised children’s surgery/anaesthesia and maternity services.

Neonatal surgical services are provided within designated surgical centres within a managed network of care.

Individual Trusts are responsible for ensuring neonates requiring surgery should be referred to the designated centre where surgical, and neonatal intensive care capacity is available.

In situations where an antenatal complex surgical diagnosis is made it is expected that women will be referred for ongoing antenatal care to the fetal medicine service and booked for delivery at a designated surgical centre with neonatal intensive care services e.g. Gastrochisis, congenital diaphragmatic hernia.

Neonates requiring surgery should be referred to the designated centre, where both surgical, anaesthetic and ITU capacity are available.

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

Appendices:

Appendix I: Wessex Neonatal ODN Surgical pathway
Appendix 2: Thames Valley Neonatal ODN surgical pathway

Version Control:

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Details</th>
<th>Author(s)</th>
<th>Comments</th>
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<tr>
<td>1.0</td>
<td>September 2017</td>
<td></td>
<td>Dr Victoria Puddy Dr Eleri Adams</td>
<td>Reviewed at TV and W Clinical Forums</td>
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<td>October 2017</td>
<td>Following amendments Draft v4 finalised for ratification</td>
<td>Dr Victoria Puddy Dr Eleri Adams</td>
<td>Ratified Oct 2017</td>
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<td>August 2018</td>
<td>Following amendments IOW redesignation and new website http</td>
<td>Dr Victoria Puddy Dr Eleri Adams</td>
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Review Date: September 2020
**Appendix 1 : Wessex Neonatal ODN Surgical Pathway**

**Neonatal Surgical Referral / Advice**

Well Neurate / Advice Referral to Surgical Team Surgical Registrar Bleep 2798 via UHS switchboard 02380777222

Unwell Neurate is transfer for NICU care required Referral to SONeT call centre 03865 223344

Surgical team to liaise with NICU team / INI Nurse Coordinator Bp 1563

Unwell Neurate needing NICU care Local team contact SONeT SONeT to arrange conference call with local team / surgical team / UHS SONeT team **

Admission to UHS NICU < 44 weeks PMA UHS Paediatric surgery / NICU > 44 PMA

** Discharge with surgical follow up plan

** No Network Neonatal surgical or PICU bed available UHS SONeT / local team to arrange referral & transfer out of network
Appendix 2: Thames Valley Neonatal ODN Surgical Pathway

** SONeT to find nearest appropriate neonatal surgical bed if none available in network

Thames Valley Neonatal ODN Surgical Referral Pathway

OUH NICU
Neonatal Surgical Referral / Advice

Network Hospitals
Neonatal Surgical Referral / Advice

Well neonate /Non-urgent referral
Referral to Surgical Team
Phone OUH Switchboard 01865 741166 request
Surgical Registrar bleep 1820

Paediatric Surgical
Registrar
Bleep 1820

Surgical team to arrange bed
location and date for admission
Local team to contact SONeT
to arrange transfer

Treatment / Surgery

Discharge home/local unit / Paeds Surgery
NICU/Local surgical follow up
NICU/Local neonatal follow up

Unwell neonate / urgent transfer
[includes bilious vomiting]
Ring SONeT 01865 223344 and request
conference call

SONeT to organise Conference call
for OUH SONeT Team /Surgical team and arrange
transfer to OUH**

Neonatal Surgical Referral / Advice

Well Neonate/ Non-urgent Referral
Contact Paediatric Surgical Registrar - OUH Switchboard
01865 741166 Call Bleep 1820
Surgeons arrange bed and date for admission
Local Hospital to contact SONeT to arrange transfer

Unwell neonate / Urgent referral
Local team contact SONeT
SONeT to arrange conference call with local
team/surgical team /OUH SONeT team
SONeT to arrange transfer

Admission to
OUH NICU
OUH Tom's Ward (paediatric surgical
ward)
OUH Paediatric Critical Care

Discharge with surgical followup plan

** SONeT to find nearest appropriate neonatal surgical bed if none available in network