

## NICU Comfort Care Bundle: NICU ACUTE Checklist

---

**This checklist is for an infant who is either: acutely unwell and at high risk of dying; or in the process of dying; or who has an unsurvivable illness and/or who has a gradually deteriorating clinical status<sup>1</sup>.**

**In most cases use of this checklist will usually be AFTER concern has been shared with parents. Exceptions may occur in rapid deterioration of clinical status**

<p>Not all areas need to be addressed simultaneously, but the status of all parts should be reviewed daily where appropriate.</p>	<p>Any actions commenced, plans to address areas of need, or appropriate omissions should be briefly documented in the patient notes at ward rounds or review.</p>
<p><b>Comfort Consideration Category</b></p>	<p><b>Key considerations:</b></p>
<p><b>1) Discussion with parents</b></p>	<p><b>Document that a Senior doctor has spoken to parents:</b> conversation including team and parent worries, working diagnosis, expected prognosis even if not certain.</p> <p>Where time is limited, discuss any <b>priorities</b> parents may have regarding:</p> <ul style="list-style-type: none"> <li>• Religious requirements or rituals</li> <li>• Blessing or equivalent (including non-religious)</li> <li>• Enabling extended family to meet the baby before death if wished</li> </ul>
<p><b>2) Pain Relief and Comfort Care<sup>3</sup></b></p>	<p><b>SPECIFIC documentation of (if appropriate):</b></p> <ol style="list-style-type: none"> <li>1) Sources of PAIN and scoring measures</li> <li>2) Analgesia: Dose, Route, Escalation</li> <li>3) Synergistic/Non-Narcotic medicines: Paracetamol</li> <li>4) Environment: quiet, calm, family-orientated</li> <li>5) Non-pharmacological intervention: suckling (pacifier or breast), Positioning/swaddling, positive touch/massage/parental hold, buccal expressed breast milk or sucrose</li> </ol>
<p><b>3) Other Symptom control<sup>3</sup></b></p>	<p><b>SPECIFIC documentation of (if appropriate):</b></p> <ol style="list-style-type: none"> <li>1) Seizures: continue anticonvulsants</li> <li>2) Secretions: Antimuscarinics, possibly gentle suctioning</li> <li>3) Skin integrity</li> <li>4) Vomiting: alter feed volumes, cease feeds, NG drainage</li> <li>5) Muscle spasms: consider midazolam, baclofen, gabapentin</li> </ol> <p>For advice about medical symptom control refer to TFSL formulary:  <a href="http://www.togetherforshortlives.org.uk/professionals/resources/2434-basic_symptom_control_in_paediatric_palliative_care_free_download">http://www.togetherforshortlives.org.uk/professionals/resources/2434-basic_symptom_control_in_paediatric_palliative_care_free_download</a>  <b>OR</b>          During Normal weekday working hours there is a children's palliative care advice line contacted via St Oswalds Hospice, Newcastle upon Tyne  <b>OR</b>          There will always be a neonatal consultant on call for each of the level 3 NICUs who might provide some advice by telephone</p>

## NICU Comfort Care Bundle: NICU ACUTE Checklist

<b>4) Monitoring</b>	<p><b>IF and AS appropriate, consider and document reasons to:</b></p> <p><u>Remove</u>: Invasive and/or electronic monitoring</p> <p><u>Replace</u>: continuous monitoring with intermittent assessment of (a) Medical parameters (e.g. HR) (b) Comfort</p> <p><u>Rescind</u>: any unnecessary tests (OR document why they are being continued)</p>
<b>5) Fluids &amp; Nutrition</b>	<p><b>Document feeding decisions/rationale with COMFORT as key aim:</b></p> <p>1) <i>IF short duration anticipated</i>, stop feeds and institute good symptom control</p> <p>2) <i>IF stopping nutrition will be primary mode of death</i> ensure hunger does NOT cause distress</p> <p>3) Where <i>oral</i> feeding is established it can usually be continued PRN for comfort (unless causing vomiting, discomfort: see category '3' above)</p> <p>NOTE: if milk is not tolerated but thirst/starvation distress is a symptom that requires treating, consider trying oral rehydration solution (ORS)</p> <p><b>IF nutrition/hydration is CONTINUED document:</b></p> <p>1) Assessment of balance of <i>need</i> vs. <i>invasiveness of delivery</i> (SC, IV)</p> <p>2) Plan of action if the delivery mode fails.</p>
<b>6) Ventilation and Oxygen</b>	<p><b>For planned cessation of respiratory support:</b></p> <p>DECIDE and DOCUMENT: <i>Where</i> and <i>When</i> in advance if possible; <i>Parental wishes</i> (e.g. side-room, home, hospice, holding child)</p>
<b>7) Completion of diagnostics</b>	<p><b>In infants without a definitive diagnosis:</b></p> <p>DECIDE, DISCUSS WITH FAMILY and DOCUMENT where possible:</p> <ul style="list-style-type: none"> <li>• Whether perimortem samples are needed for diagnosis (e.g. muscle or skin biopsy)</li> <li>• Whether post-mortem examination or imaging will be needed (full/limited)</li> </ul>
<b>8) Treatment Ceiling decisions</b>	<p><b>Where particular escalation of treatment is not thought to be appropriate, discuss:</b></p> <ul style="list-style-type: none"> <li>• Which treatments are <i>not</i> to be commenced</li> <li>• Reasons for ceiling of treatment</li> <li>• Date for review of decision</li> </ul> <p><b><u>DOCUMENT THESE DECISIONS:</u></b></p> <p><b>Use of an EHCP<sup>4</sup> is advised (editable &amp; printable PDF) but a suitable alternative e.g. Stratified Treatment Escalation Plan (STEP) form may be a more easily used alternative in time-limited situations</b></p> <p>If the baby has a <b>complex medical diagnosis or difficult family situation</b> <b><u>consider completing a best-interests form.</u></b> The best interest forms is called 'MCA2 v15'<sup>4</sup></p>
<b>9) Resuscitation Status</b>	<p><b>When appropriate ensure DNACPR<sup>4</sup>/allow natural death order (regional document) is completed and discussed with family especially if transferring infant<sup>2</sup></b></p> <p><b>CONSIDER PLACE OF CARE: Does this baby need to be in a NICU? Could it be elsewhere? Is it safe/practical to move them?</b></p>

## NICU Comfort Care Bundle: NICU ACUTE Checklist

---

<b>10) Support for parents</b>	<p><b>Even in uncertain prognosis, consider discussing with parents:</b></p> <p>Their priorities for their baby before death:</p> <ul style="list-style-type: none"><li>• Blessing or equivalent (including non-religious)</li><li>• Meeting family and friends</li><li>• Making memories with siblings</li></ul> <p>Preferred place at the time of death</p> <ul style="list-style-type: none"><li>• Religious rituals: would they like a faith leader present?</li><li>• Preferred place after death</li></ul> <p><b>Document support offered to parents:</b></p> <p><i>Psychologist support</i> (especially if one of a multiple pregnancy where other child(ren) surviving)</p> <p><i>Breastfeeding cessation advice</i> if required</p> <p><i>Sibling Support:</i> school, pre-bereavement support</p> <p><i>Financial Support:</i> travel, impact on income</p>
--------------------------------	---

### References:

1 Palliative Care (Supportive and End-of-Life Care): A Framework for Clinical Practice in Perinatal Medicine (BAPM, 2010):

2 Decisions relating to cardiopulmonary resuscitation (BMA, RC(UK) and RCN, 2014)

3:[http://www.togetherforshortlives.org.uk/professionals/resources/2434\\_basic\\_symptom\\_control\\_in\\_paediatric\\_palliative\\_care\\_free\\_download](http://www.togetherforshortlives.org.uk/professionals/resources/2434_basic_symptom_control_in_paediatric_palliative_care_free_download)

4: <http://www.nescn.nhs.uk/deciding-right/regional-forms/>