

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 status¹.

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>Comfort Consideration Category</p>	<p>Key considerations:</p>
<p>1) Discussion with parents</p>	<p>Document that a Senior doctor has spoken to parents: conversation including team and parent worries, working diagnosis, expected prognosis even if not certain.</p> <p>Where time is limited, discuss any priorities parents may have regarding:</p> <ul style="list-style-type: none"> • Religious requirements or rituals • Blessing or equivalent (including non-religious) • Enabling extended family to meet the baby before death if wished
<p>2) Pain Relief and Comfort Care³</p>	<p>SPECIFIC documentation of (if appropriate):</p> <ol style="list-style-type: none"> 1) Sources of PAIN and scoring measures 2) Analgesia: Dose, Route, Escalation 3) Synergistic/Non-Narcotic medicines: Paracetamol 4) Environment: quiet, calm, family-orientated 5) Non-pharmacological intervention: suckling (pacifier or breast), Positioning/swaddling, positive touch/massage/parental hold, buccal expressed breast milk or sucrose
<p>3) Other Symptom control³</p>	<p>SPECIFIC documentation of (if appropriate):</p> <ol style="list-style-type: none"> 1) Seizures: continue anticonvulsants 2) Secretions: Antimuscarinics, possibly gentle suctioning 3) Skin integrity 4) Vomiting: alter feed volumes, cease feeds, NG drainage 5) Muscle spasms: consider midazolam, baclofen, gabapentin <p>For advice about medical symptom control refer to TFSL formulary: http://www.togetherforshortlives.org.uk/professionals/resources/2434-basic_symptom_control_in_paediatric_palliative_care_free_download OR During Normal weekday working hours there is a children's palliative care advice line contacted via St Oswalds Hospice, Newcastle upon Tyne OR There will always be a neonatal consultant on call for each of the level 3 NICUs who might provide some advice by telephone</p>

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<p>4) Monitoring</p>	<p>IF and AS appropriate, consider and document reasons to: <u>Remove</u>: Invasive and/or electronic monitoring <u>Replace</u>: continuous monitoring with intermittent assessment of (a) Medical parameters (e.g. HR) (b) Comfort <u>Rescind</u>: any unnecessary tests (OR document why they are being continued)</p>
<p>5) Fluids & Nutrition</p>	<p>Document feeding decisions/rationale with COMFORT as key aim: 1) <i>IF short duration anticipated</i>, stop feeds and institute good symptom control 2) <i>IF stopping nutrition will be primary mode of death</i> ensure hunger does NOT cause distress 3) Where <i>oral</i> feeding is established it can usually be continued PRN for comfort (unless causing vomiting, discomfort: see category '3' above) NOTE: if milk is not tolerated but thirst/starvation distress is a symptom that requires treating, consider trying oral rehydration solution (ORS) IF nutrition/hydration is CONTINUED document: 1) Assessment of balance of <i>need</i> vs. <i>invasiveness of delivery</i> (SC, IV) 2) Plan of action if the delivery mode fails.</p>
<p>6) Ventilation and Oxygen</p>	<p>For planned cessation of respiratory support: 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>
<p>7) Completion of diagnostics</p>	<p>In infants without a definitive diagnosis: DECIDE, DISCUSS WITH FAMILY and DOCUMENT where possible:</p> <ul style="list-style-type: none"> • Whether perimortem samples are needed for diagnosis (e.g. muscle or skin biopsy) • Whether post-mortem examination or imaging will be needed (full/limited)
<p>8) Treatment Ceiling decisions</p>	<p>Where particular escalation of treatment is not thought to be appropriate, discuss:</p> <ul style="list-style-type: none"> • Which treatments are <i>not</i> to be commenced • Reasons for ceiling of treatment • Date for review of decision <p><u>DOCUMENT THESE DECISIONS:</u></p> <p>Use of an EHCP⁴ is advised (editable & 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</p> <p>If the baby has a complex medical diagnosis or difficult family situation <u>consider completing a best-interests form.</u> The best interest forms is called 'MCA2 v15'⁴</p>
<p>9) Resuscitation Status</p>	<p>When appropriate ensure DNACPR⁴/allow natural death order (regional document) is completed and discussed with family especially if transferring infant²</p> <p>CONSIDER PLACE OF CARE: Does this baby need to be in a NICU? Could it be elsewhere? Is it safe/practical to move them?</p>

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10) Support for parents	<p>Even in uncertain prognosis, consider discussing with parents:</p> <p>Their priorities for their baby before death:</p> <ul style="list-style-type: none">• Blessing or equivalent (including non-religious)• Meeting family and friends• Making memories with siblings <p>Preferred place at the time of death</p> <ul style="list-style-type: none">• Religious rituals: would they like a faith leader present?• Preferred place after death <p>Document support offered to parents:</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>
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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

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