

Criteria for therapeutic hypothermia

Prerequisites:
Must fulfil **BOTH** of the following:

- ≥36 weeks gestation
- ≤6 hours post birth

Yes

No

Criteria A:
Must fulfil **AT LEAST ONE** of the following:

- APGAR score of ≤5 at 10 min after birth
- Continued need for resuscitation at 10 minutes
- Acidosis (pH <7.00) within 60 minutes of birth
- Base deficit (≥16 mMol/L) within 60 minutes of birth

Yes

No

Criteria B:

- Seizures, **OR**...

Moderate/severe encephalopathy, consisting of **ALL THREE** of the following:

- **CONSCIOUSNESS:** altered state with reduced/absent response to stimulation, and...
- **REFLEXES:** abnormal reflexes (weak/absent suck or Moro response, abnormal pupils), and...
- **TONE:** focal or general hypotonia, or flaccid

Yes

No

If infant moribund, or severely encephalopathic, has withdrawal of care been considered?

Consultant to cooling centre Consultant discussion

Time of call: _____

Discussed with: _____

Decision made to cool: Yes No

If not for cooling, document reason(s):

Date: _____ Sign: _____

Start passive cooling and prepare for transfer to regional cooling centre / active cooling

Transport service	West Midlands Neonatal Transfer Service (WMNTS)	07929053730 07929053660
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Cooling centres	Birmingham Heartlands Hospital (BHH)	0121 424 3520
	Birmingham Women's Hospital (BWH)	0121 627 2686
	New Cross Hospital (NCH), Wolverhampton	01902 694032
	Royal Stoke University Hospital, Stoke-on-Trent	0178 267 2400

Name: _____ PID: _____

Admission details

Date of birth:	Time of birth:	Sex:
Birth weight (g):	Head circumference (cm):	Admission temperature (°C):
Place of birth:		Cooling centre transferred to:

Pregnancy complications:
Mode of delivery: SVD cephalic <input type="checkbox"/> SVD breech <input type="checkbox"/> Instrumental <input type="checkbox"/> Pre-labour CS <input type="checkbox"/> In-labour CS <input type="checkbox"/>
Delivery complications:
Congenital abnormalities apparent at birth:

Resuscitated > 10 minutes	Yes <input type="checkbox"/>		No <input type="checkbox"/>	
First gasp (minutes)				
Apgar score	1 min:	5 min:	10 min:	20 min:
Blood gas results (worst within 60 min. including cord blood)	pH:			
	pO2 (kPa):			
	pCO2 (kPa):			
	Base deficit:			

Grading of severity of Hypoxic Ischaemic Encephalopathy (prior to cooling)

Sign	0	1	2	3	Score
Alertness	Alert	Irritable	Poorly responsive	Comatose	
Tone	Normal	Hypertonia	Hypotonia		
Resp. status	Normal	Resp distress (apnoea/need O ₂)	CPAP or mechanical ventilation		
Reflexes	Normal	Hyperreflexia	Hyporeflexia	Absent reflexes	
Seizure	None	Suspected	Confirmed clinical seizure		
Feeding	Breast/bottle	Tube fed/nil by mouth			
				Total	

Investigations

Ultrasound scan	Performed?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Findings		

CFM	Performed (prior to cooling)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Electrical seizures?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Background	Normal/mildly abnormal (upper margin>10, lower margin>5)	<input type="checkbox"/>
		Moderately abnormal (upper margin>10, lower margin<5)	<input type="checkbox"/>
Severely abnormal (upper margin<10)		<input type="checkbox"/>	

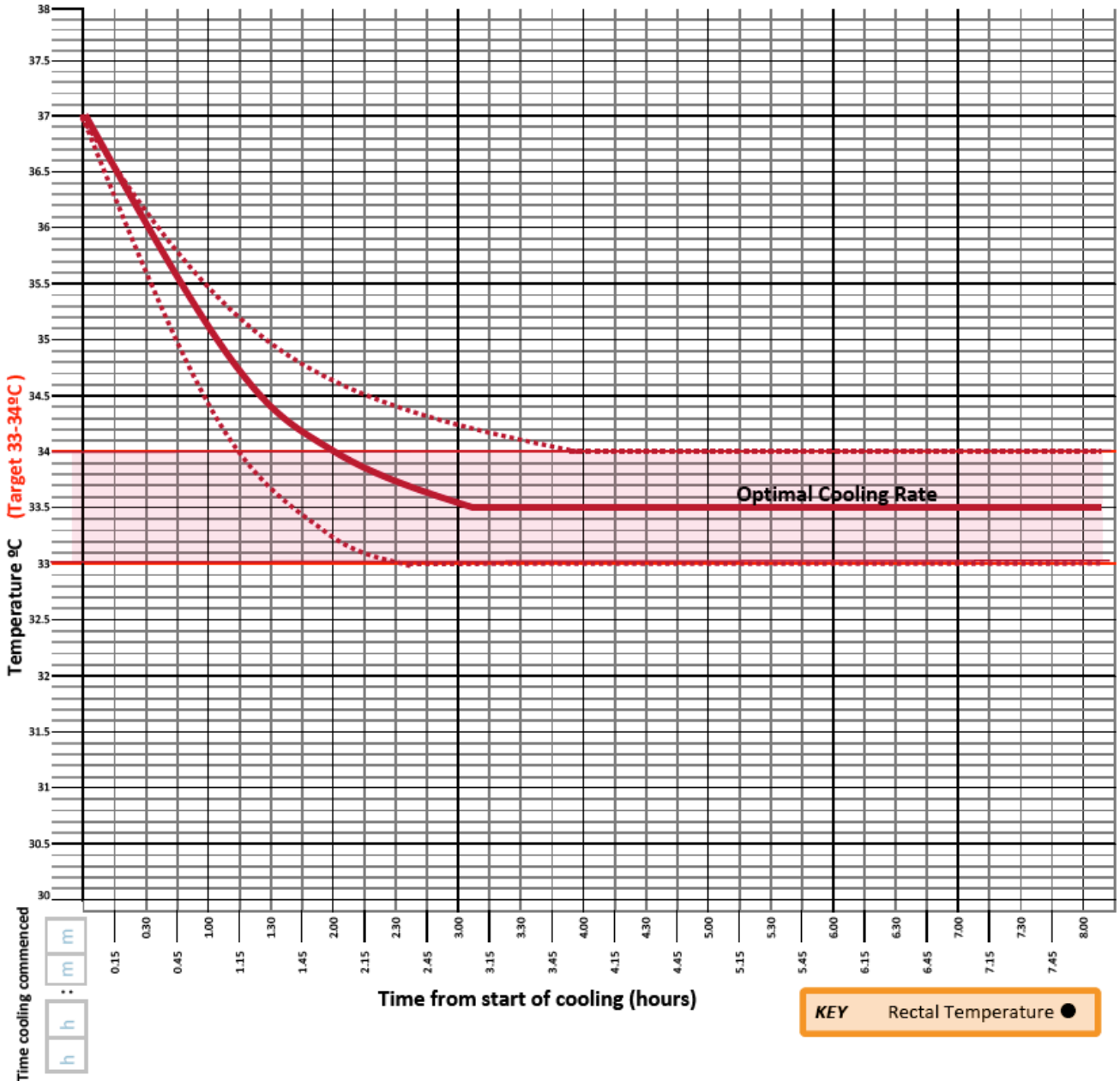
Name: _____ PID: _____

Therapeutic hypothermia proforma

	Time
Passive cooling commenced:	
Active cooling commenced:	
Target temperature obtained (33°C – 34°C):	

RECTAL TEMPERATURE MONITORING CHART

NHS No.



Cooling checklist

Actively manage blood pressure to maintain within normal range	<input type="checkbox"/>
Avoid hyper/hypocapnoea	<input type="checkbox"/>
Restrict fluids (unless clinically indicated)	<input type="checkbox"/>
Continuous rectal temperature monitoring started	<input type="checkbox"/>
Rectal temperature documented every 15 minutes	<input type="checkbox"/>
Maintain blood sugar within normal range	<input type="checkbox"/>
Parent spoken to by most senior member of the medical team	<input type="checkbox"/>
Parents given the opportunity to see the baby	<input type="checkbox"/>
Parents given BLISS information leaflet on therapeutic hypothermia	<input type="checkbox"/>
Parents given a photo of their baby	<input type="checkbox"/>

