

**Contents**

Supplementary material 1. Overview of the questionnaire .....	1
Supplementary material 2. Participants in the consensus meetings .....	3

**Supplementary material 1. Overview of the questionnaire**

Question	Question type	Answer options
<b>Demographics</b>		
Where do you work?	OQ	Free text
What is your function?	OQ	Free text
Of which SIG are you a member?	MC	<ul style="list-style-type: none"> <li>• SIG for Neonatal Pain</li> <li>• SIG for Necrotizing Enterocolitis</li> <li>• Both</li> <li>• Neither</li> </ul>
<b>Pain assessment</b>		
Which pain scale(s) should be used in infants with NEC?	CQ	<ul style="list-style-type: none"> <li>• COMFORTneo score</li> <li>• Numerical Rating Scale (NRS)</li> <li>• Neonatal Infant Pain Scale (NIPS)</li> <li>• Neonatal Pain, Agitation, and Sedation Scale (N-PASS)</li> <li>• Premature Infant Pain Profile (-Revised) (PIPP(-R))</li> <li>• Échelle Douleur Inconfort Nouveau-né (EDIN)</li> <li>• Cries, Requires oxygen, Increased vital signs, Expression, Sleeplessness (CRIES)</li> <li>• Neonatal Facial Coding System (NFCS)</li> <li>• Bernese Pain Scale for Neonates (BPSN)</li> <li>• ALPS-Neo</li> <li>• Douleur Aiguë Nouveau-né (DAN) scale</li> <li>• Face, Legs, Activity, Cry, and Consolability (FLACC)</li> <li>• Neonatal Infant Acute Pain Assessment Scale (NIAPAS)</li> <li>• Leuven Neonatal Pain Score (LNPS)</li> <li>• Other: ...</li> </ul>
How often should pain at least be assessed in infants with NEC (regular pain assessments)?	OQ	[Free text] times per day (24 h)
When should additional pain assessments be performed (on indication)?	CQ	<ul style="list-style-type: none"> <li>• Patient shows signs of pain</li> <li>• Patient previously exhibited a high pain score</li> <li>• Analgesic therapy has recently been initiated</li> </ul>

		<ul style="list-style-type: none"> <li>• Analgesic dose has recently been increased</li> <li>• Analgesic therapy has recently been decreased or discontinued</li> <li>• During painful procedures</li> <li>• Other: ...</li> </ul>																								
Should monitoring technologies (e.g., heart rate variability) (also) be used to assess pain in infants with NEC? If yes, please specify which technologies and when.	MC + OQ	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> <li>• I don't know</li> </ul> <p>Free text</p>																								
<b>Analgesic therapy</b>																										
When should analgesic therapy be initiated in infants with NEC?	CQ	<ul style="list-style-type: none"> <li>• Pre-emptively: NEC stage I or higher</li> <li>• Pre-emptively: NEC stage IIa or higher</li> <li>• Pre-emptively: NEC stage IIb or higher</li> <li>• Pre-emptively: NEC stage IIIa or higher</li> <li>• Pre-emptively: NEC stage IIIb or higher</li> <li>• Pre-emptively: perioperative</li> <li>• Only on indication: when the patient starts showing signs of pain</li> <li>• Other: ...</li> </ul>																								
Which agent(s) should initial analgesic therapy (step 1) include?	CQ	<ul style="list-style-type: none"> <li>• Paracetamol (acetaminophen)</li> <li>• Morphine</li> <li>• Fentanyl</li> <li>• Sufentanil</li> <li>• Remifentanil</li> <li>• Methadone</li> <li>• Oxycodone</li> <li>• Midazolam</li> <li>• Ketamine</li> <li>• Dexmedetomidine</li> <li>• Other:</li> </ul>																								
How should analgesic therapy be intensified if initial analgesic therapy is not sufficient? You may choose one strategy (i.e., increase the dose, add agent(s) or switch) for each step. Please fill in which agent should be increased, added or switched in the corresponding box.	CQ	<p>Free text</p> <table border="1"> <thead> <tr> <th></th> <th>Increase dose of...</th> <th>Add...</th> <th>Switch from ... to ...</th> </tr> </thead> <tbody> <tr> <td>Step 2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Step 3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Step 4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Step 5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Step 6</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Increase dose of...	Add...	Switch from ... to ...	Step 2				Step 3				Step 4				Step 5				Step 6			
	Increase dose of...	Add...	Switch from ... to ...																							
Step 2																										
Step 3																										
Step 4																										
Step 5																										
Step 6																										
Based on which parameters should analgesic therapy in infants with NEC be decreased?	OQ	Free text																								
<b>Should sucrose be used for procedural pain in infants with NEC?</b> You can provide a reason for your choice in the comment box.	MC + OQ	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>Free text</p>																								

Which non-pharmacological interventions should be used for pain management in infants with NEC? And which non-pharmacological interventions should be avoided?	OQ	Should be used in infants with NEC: [Free text] Should be avoided in infants with NEC: [Free text]
<b>Comments</b>		
Do you have any additional suggestions or comments?	OQ	Free text
<b>Abbreviations: MC = multiple choice; CQ = checkbox question (i.e. multiple options can be chosen); OQ = open question</b>		

## Supplementary material 2. Participants in the consensus meetings

### Meeting 1 (hybrid)

Sinno Simons (The Netherlands)	Aomesh Bhatt (United Kingdom)
Judith ten Barge (The Netherlands)	Daphne Klerk (The Netherlands)
Robert Flint (The Netherlands)	Manon Tauzin (France)
Marta Camprubi-Camprubi (Spain)	Shalini Ohja (United Kingdom)
Janno Schouten (The Netherlands)	Anne Smits (Belgium)
Kelly Storm (The Netherlands)	Jean-Michel Roué (France)
Ruth del Rio (Spain)	Catarina Sevivas (Spain)
Giacomo Cavallaro (Italy)	Gerbrich van den Bosch (The Netherlands)
Eduardo Villamor (The Netherlands)	Abigail Kusi Amponsah (Ghana)
Felipe Garrido (Spain)	Elisabeth Norman (Sweden)
Melinda Matyas (Romania)	Guðrún Kristjánsdóttir (Iceland)
Eleanor Molloy (Ireland)	Tiina Ukkonen (Finland)
Miguel Saenz de Pipaon (Spain)	Xavier Durrmeyer (France)
Heather Kitt (United Kingdom)	Mats Eriksson (Sweden)
Rebeccah Slater (United Kingdom)	

### Meeting 2 (online)

Judith ten Barge (The Netherlands)	Giacomo Cavallaro (Italy)
Sinno Simons (The Netherlands)	Nicholas Embleton (United Kingdom)
Robert Flint (The Netherlands)	Eric Giannoni (Switzerland)
Gerbrich van den Bosch (The Netherlands)	Elisabeth Norman (Sweden)
Karel Allegaert (Belgium)	Marsha Campbell-Yeo (Canada)
Alexandre Lapillonne (France)	Dearbhla Byrne (Ireland)
Nicola Brindley (United Kingdom)	Catarina Sevivas (Spain)
Sofie Pirlotte (Belgium)	Tiina Ukkonen (Finland)
Maria Lorella Gianni (Italy)	Sezin Unal (Turkey)
Rebeccah Slater (United Kingdom)	Guðrún Kristjánsdóttir (Iceland)
Heather Kitt (United Kingdom)	Camilia Martin (United States)
Miguel Saenz de Pipaon (Spain)	Anne Smits (Belgium)
Daphne Klerk (The Netherlands)	Eleanor Molloy (Ireland)