

What are the beliefs of healthcare professionals on the role of non-invasive ventilation in children with chronic respiratory failure and life-limiting conditions?

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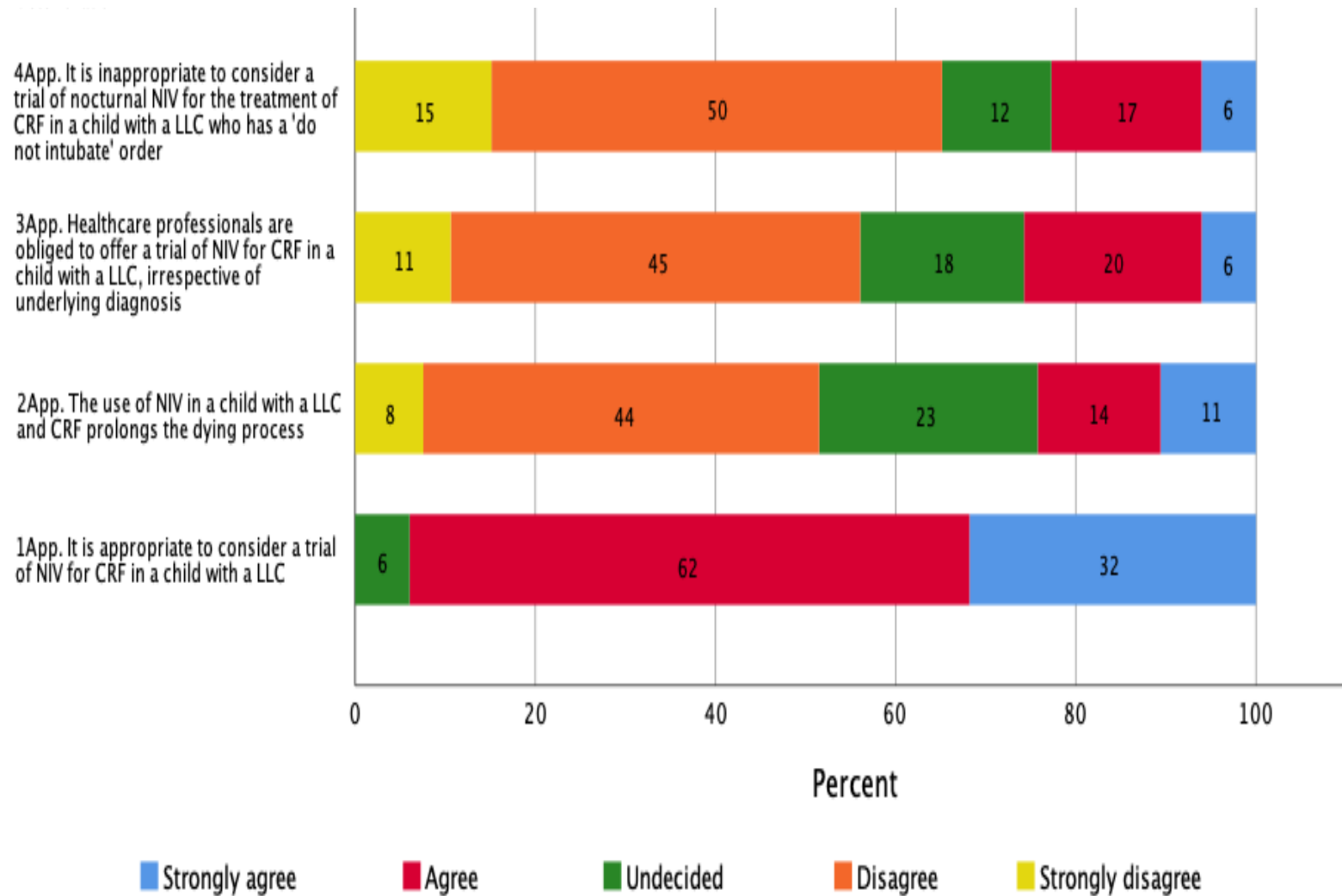
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What is the role of NIV in a child with a LLC & Chronic Respiratory Failure?

Objectives:

1. To identify the opinions of Healthcare Professionals (HCPs) on the **appropriateness** of NIV therapy
2. To determine what aspects of **communication** HCPs believe are important in the approach to discussions with families
3. To distinguish any **variation in beliefs** based on **professional group**
4. To identify any perceived **training needs** on this topic

Appropriateness of NIV in children with LLCs and CRF



Some differences among the professional groups 3App ($p = 0.002$, Kruskal Wallis test) and 4App

Appropriateness of NIV : qualitative analysis

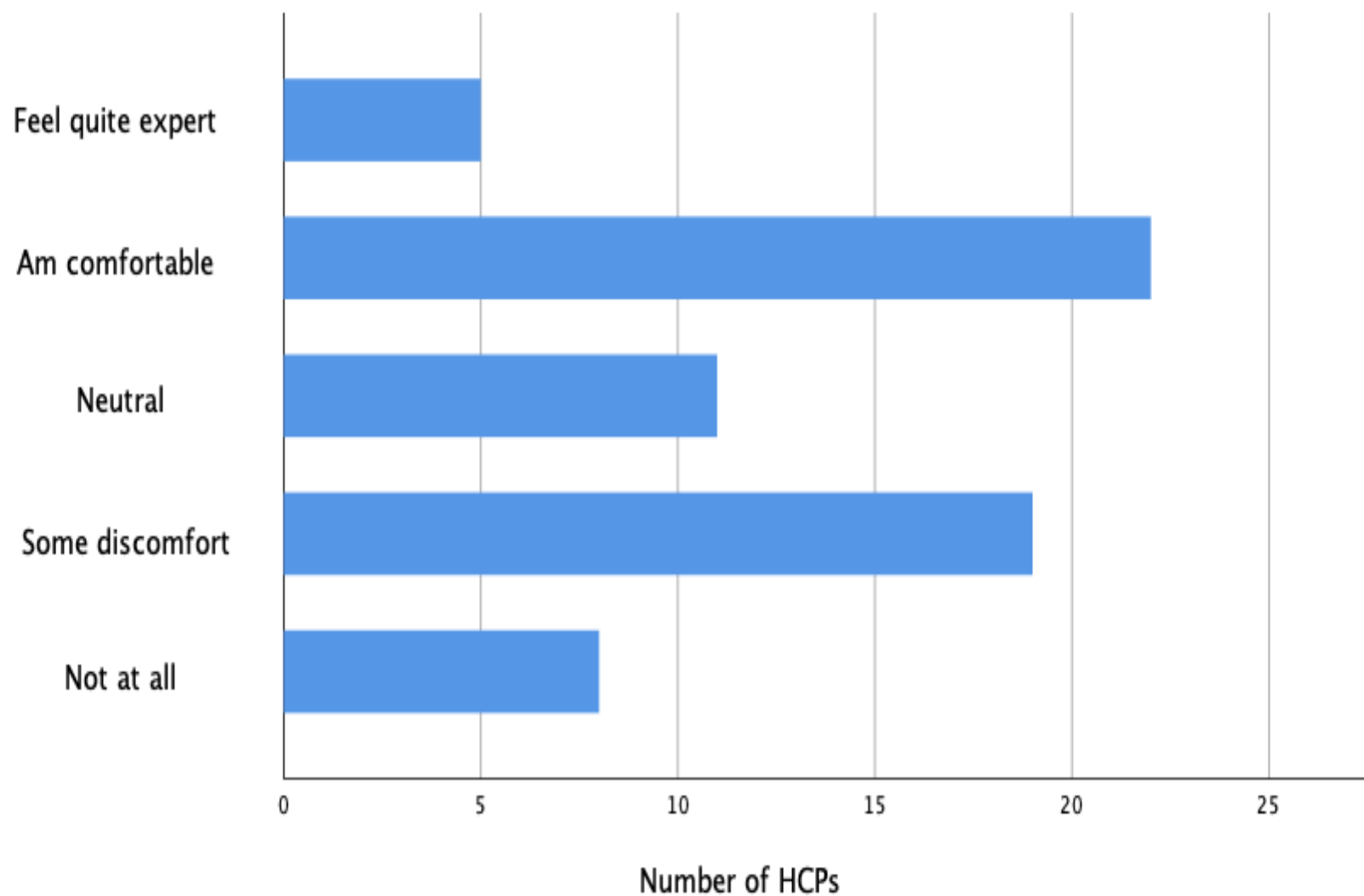
- NIV can prolong life and death (all groups)

'Is it just going to prolong things? Or will it make any difference? And it can be very hard to see...sometimes, I've heard nurses say, 'it's very hard to die now'

- *'NIV can buy time'* - to come to terms, to say goodbye
- Important to recognise when ongoing use of NIV is detrimental
- Ethical support in decision-making

'You have to face tough decisions and end of life stuff ...and sometimes you don't always think what you're doing is right, but if we have some support...'

Within your current clinical role, how comfortable are you in discussing the advantages and disadvantages of NIV with the families of children with LLCs?



Question on training		n (%)
Have you ever received any dedicated training regarding the use of NIV		
	in children?	51 (77.3)
	Yes	13 (19.7)
	No	2 (3)
	Unsure	
Do you think you would benefit from further training on the use of NIV		
	in children?	50 (75.8)
	Yes	12 (18.2)
	No	4 (6.1)
	Unsure	
Have you ever received any dedicated training on the topic of PPC?		
	Yes	27 (42.2)
	No	31 (48.4)
	Unsure	6 (9.4)
Do you think you would benefit from further training on the topic of		
	PPC?	63 (95.5)
	Yes	1 (1.5)
	No	2 (3.0)
	Unsure	

Appropriate training in NIV and PPC : Qualitative analysis

- Risks of providing inaccurate information to families

'If HCPs are inadequately trained in NIV, their ability to proficiently discuss its role with families as well as implement its use, may suffer'.

Karim HMR et al. Noninvasive ventilation: education and training. A narrative analysis and an international consensus document. Adv Respir Med. 2019;87(1):36-45

- Inexperienced staff may be afraid, distressed or find it inappropriate

'NIV can be very stressful for staff...I think people are still very scared of it...and what it means and I think demystifying it a little bit is important'

Implications for clinical practice

- HCPs may have different perspectives on this topic to other colleagues within the same institution
- Need for appropriate training of HCPs in the fields of NIV and PPC
- Inadequate training and uncertainty of the subject matter may impact HCP beliefs and responses in this study
- Improved training in fields of NIV and PPC may :
 - empower HCPs to more effectively identify the goals of patient care and establish robust plans for NIV initiation and cessation
 - may influence beliefs?



Thank
You....

....Questions?