Paediatricians' attitudes towards pain in non-communicating children with profound intellectual and multiple disabilities

- 1. What is your gender?
 - a. Female
 - b. Male
- 2. How old are you? n years
- 3. What is your home country? dropdown list
- 4. What was your country of medical studies? dropdown list
- 5. In which field of paediatrics are you currently working? (more than one answer possible)
 - a. General paediatrics
 - b. Paediatric emergency medicine
 - c. Intensive care
 - d. Neonatology
 - e. Endocrinology and diabetology
 - f. Gastroenterology
 - g. Cardiology
 - h. Pneumology
 - i. Nephrology
 - j. Neurology
 - k. Neurorehabilitation
 - l. Developmental paediatrics
 - m. Immunology, allergology & rheumatology
 - n. Onco-hematology
 - o. Infectiology
 - p. School medicine
- 6. How many years of experience do you have in paediatrics? n years
- 7. How many years of experience do you have in your current activity? n years
- 8. Where do you work? (more than one answer possible)
 - a. University Hospital
 - b. Regional Hospital
 - c. Community practice
 - d. School
 - e. Research

Children with profound intellectual and multiple disabilities in my practice

This study focuses on children with profound intellectual and multiple disabilities (PIMD). PIMD is a term that refers to an heterogenous population of children with a motor disability combined with a severe or profound intellectural disability, resulting in an extreme restriction of autonomy and opportunities for perception, expression and relationship*. The disability's origin is variable, covering multiple etiologies (severe cerebral palsy, dysmorphogenetic syndromes, neurometabolic disorders, etc.). In this study we are specifically interested in the severe communication limitations of these children, described as non-communication or pauci-communication due to absence of verbal expression associated with a significant delay in understanding language. The objective is to explore to which difficulties in identifying and managing their pain this could lead for the physicians taking care of this particular children.

* According to the annex XXIV ter of the National Technical Center of Studies and Research about Handicap and Disabilities. (CTNERH, Centre Technique National d'Etudes et de Recherche sur les Handicaps et les Inadaptations), 29.10.1989.

For more informations about PIMD and if needed to better recognize these children in your practice : https://www.perce-neige.org/actus/comprendre-le-handicap/le-polyhandicap/

- 9. Do you see children with PIMD in your practice?
 - a. Yes
 - b. No
- 10. I see children with PIMD in my practice ...
 - a. Once to a few times per week
 - b. Once to a few times per month
 - c. A few times per year
 - d. Once or twice per year
 - e. Less than once per year
 - f. Never

The experience of pain in children with PIMD

This section of the survey explores your perceptions and opinions about the pain experience of children with PIMD. We are aware that each child experiences pain differently and that it is complex to generalize. However, our goal is to explore your opinion and not your theoretical knowledge. Please answer in the way that best corresponds to your opinion.

- 11. Children with PIMD experience pain...
 - a. More than ordinary children.
 - b. As ordinary children.
 - c. Less than ordinary children.
- 12. Children with PIMD tolerate pain...
 - a. More than ordinary children.
 - b. As ordinary children.
 - c. Less than ordinary children.
- 13. The more the child's disability is important the less he is sensitive to pain.
 - a. Totally agree
 - b. Agree
 - c. Disagree
 - d. Totally disagree
 - e. Don't know
- 14. The more the child's disability is important, the more difficult pain is to differentiate from other emotions.
 - a. Totally agree
 - b. Agree
 - c. Disagree
 - d. Totally disagree
 - e. Don't know
- 15. Every pain experience leads to an emotional reaction in disabled children.
 - a. Totally agree
 - b. Agree
 - c. Disagree
 - d. Totally disagree
 - e. Don't know
- 16. The emotional component of pain...
 - a. Is the same for children with PIMD as for typically developing children
 - b. Differs between children with PIMD and typically developing children
 - c. Is absent in children with PIMD

Pain assessment in PIMD

- 17. Pain is under evaluated in children with PIMD.
 - a. Totally agree
 - b. Agree
 - c. Disagree
 - d. Totally disagree
- 18. Do you know any pain scales adapted to children with PIMD?
 - a. Yes
 - b. No
- 19. Which of these scales do you know about?
 - a. San Salvadour Pain Scale
 - b. Non-Communicating Children's Pain Checklist (NCCPC)
 - c. Face Legs Activity Cry Consolability scale (FLACC)
 - d. None
- 20. Which of these scales do you use?
 - a. San Salvadour Pain Scale
 - b. Non-Communicating Children's Pain Checklist (NCCPC)
 - c. Face Legs Activity Cry Consolability scale (FLACC)
 - d. None
- 21. In the care of disabled children, the use of a pain scale is...
 - a. More important than with ordinary children.
 - b. As important as with ordinary children.
 - c. Less important than with ordinary children.
 - d. Not important.

Pain management in PIMD

- 22. Children with PIMD need analgesic more frequently than typically developing children.
 - a. Totally agree
 - b. Agree
 - c. Disagree
 - d. Totally disagree
 - e. Don't know
- 23. Analgesics' efficacy is the same in children with PIMD in typically developing children.
 - a. Totally agree
 - b. Agree
 - c. Disagree
 - d. Totally disagree
 - e. Don't know
- 24. Children with PIMD should have around-the-clock analgesics in their daily treatments.
 - a. Totally agree
 - b. Agree
 - c. Disagree
 - d. Totally disagree
 - e. Don't know
- 25. Disabled children should have on-demand analgesics that their usual care takers (parents, educators, nurses) can give them if they suspect any discomfort or pain without any need of additional medical advice.
 - a. Totally agree

27. Children with PIMD's pain tends	to be undertreated.			
a. Totally agree				
b. Agree				
c. Disagree				
d. Totally disagree				
28. In what area do you face difficultion	es that prevent you	from taking goo	d care of a child wit	h PIMD?
	Very important	Important	Barrier not	Not a
	barrier	barrier	important	barrier
Pain assessment				
Communication with the child				
Personal experience				
Personal knowledge about pain				
Personal knowledge about children				
with disabilities				
29. What barriers do you perceive to p	Very important	hildren with PIN Important barrier	MD? Barrier not important	Not a
Fear of side effects	Durrier	- Bullier	III portuine	- Currer
Risk of addiction to analgesics				
Treatment can hide the source of pain				
Treatment can hinder the investigation of				
Treatment can finder the investigation of		i		
pain				
pain				

b. Agreec. Disagreed. Totally disagree

 $26. \ \ \, Children\ with\ PIMD's\ pain\ tends\ to\ be\ overtreated.$

e. Don't know

a. Totally agreeb. Agreec. Disagree

d. Totally disagree