

Appendix1 Supplementary material: Variables registered by healthcare professional.

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|---|----------------------------------|------------------------------|--------------------------------------|
| Nurse initials: | | | |
| DATE: | TIME: | | |
| DRUG: | Hypertonic saline | Salbutamol | Epinephrine |
| Analgesia: | No analgesia | Sucrose | Acetaminophen Others |
| Time after eating: ____ h ____ min | | | |
| Heart rate: ____ beats/min | Breathing frequency: ____ bpm | Oxygen saturation: ____ % | Fraction of inspired oxygen: ____ |
| Nebulizer | JN | NHF Flow ____ L/min | T ^a ____ °C |
| COMFORT-B Scale | | | |
| Alertness | ____ points | Physical movement | ____ points |
| Calmness-Agitation | ____ points | Muscle tone | ____ points |
| Crying | ____ points | Facial tension | ____ points |
| VAS (Visual Analogue Scale) | | | |
| Put a mark on the line below to indicate the comfort you think the child has. | | | |
| No comfort I-----I Extreme comfort | | | |
| VAS Score (0 No comfort – 10 Extreme comfort): ____ points | | | |
| SATISFACTION / NRS (Numeric rating scale) | | | |
| NRS (0 = no pain and 4 = worst imaginable pain): ____ points | | | |

NHF, nebulization system integrated in High-Flow nasal cannula; JN, jet nebulizer.

This table was registered in 3 moments, before, during and after nebulization.

Caregivers registered a similar table with Comfort-B Scale, VAS and NRS.