

Appendix 2 Supplementary material: Comfort and satisfaction scores registered by caregivers (4 patients, 26 nebulizations).

	Nebulizer	CBS Before-nebulization	VAS Before-nebulization	CBS During-nebulization	VAS During-nebulization	CBS After-nebulization	VAS After-nebulization	Satisfaction-NRS
Patient 1	NHF	6	10	6	10	6	10	4
	JN	6	10	9	8	14	7	3
	NHF	6	10	6	10	6	10	4
	JN	10	8	13	7	19	5	1
	NHF	6	10	6	10	6	10	4
	JN	6	10	14	6	12	7	2
	NHF	6	10	7	9	6	10	4
	JN	22	3	25	3	14	4	1
	NHF	6	10	6	10	26	2	3
	NHF	10	8	12	9	-	-	-
Patient 2	JN	10	8	23	0	15	5	1
	NHF	6	9	10	7	6	9	4
	JN	11	10	12	8	8	10	4
	NHF	10	10	12	8	8	10	4
Patient 4	JN	8	10	15	0	12	8	-
	NHF	9	8	12	9	-	-	-
	JN	13	8	19	6	14	7	1
	NHF	16	7	16	7	7	9	4
Patient 5	JN	17	6	16	4	10	8	3
	NHF	7	9	17	9	15	9	4
	JN	17	5	25	3	10	6	2
	NHF	6	10	11	8	18	6	4
	JN	12	9	17	4	14	9	2
	NHF	12	9	12	8	12	8	4
	JN	13	8	18	4	12	8	1
	NHF	10	6	8	6	6	9	4

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

CBS, COMFORT-behaviour scale; VAS, visual analog scale; NRS, numeric rating scale.