

1 Supplementary Data

	<i>Baseline</i>	<i>Adhesive tape begin</i>	<i>Adhesive tape end</i>	<i>Stabilization</i>	<i>Extubation</i>	<i>NIV</i>	<i>Prone₁₀</i>	<i>Prone₆₀</i>
<i>Baseline</i>	NA							
<i>Adhesive tape begin</i>	0.601	NA						
<i>Adhesive tape end</i>	0.025	0.025	NA					
<i>Stabilization</i>	0.089	1	0.025	NA				
<i>Extubation</i>	0.216	1	0.036	1	NA			
<i>NIV</i>	0.027	0.027	0.579	0.036	0.027	NA		
<i>Prone₁₀</i>	0.029	1	0.089	1	1	0.04	NA	
<i>Prone₆₀</i>	1	1	0.216	1	1	0.216	1	NA

2 Supplementary Table S1. P values of post hoc analyses for the development of Δ EELI during extubation. The results
3 for paired Wilcoxon tests with Bonferroni–Holm correction. Significant differences are printed in bold.
4 Abbreviations: NIV = initiation of noninvasive ventilation after extubation, prone₁₀ = measurement after 10
5 minutes in the prone position, prone₆₀ = measurement after 60 minutes in the prone position.

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<i>Time interval</i>	<i>Median (IQR) (seconds)</i>
<i>Baseline – adhesive tape begin</i>	105 (30 - 304)
<i>Adhesive tape begin – adhesive tape end</i>	29 (13 - 38)
<i>Adhesive tape end – stabilization</i>	66 (60 - 72)
<i>Stabilization – extubation</i>	0 (0 - 0)
<i>Extubation – NIV</i>	2 (1 - 4)
<i>NIV – prone₁₀</i>	598 (596 - 599)
<i>Prone₁₀ – prone₆₀</i>	3000 (3000 - 3000)

7 Supplementary Table S2. Time intervals during the extubation procedure in seconds. Abbreviations: NIV =
8 initiation of noninvasive ventilation after extubation, prone₁₀ = measurement after 10min in the prone position,
9 prone₆₀ = measurement after 60 min in the prone position.