

1 **Supplementary**

2 The infants who received HHHFNC were divided into two groups according to the median number of days
3 which is 13. There are now two groups: group 1 receiving HHHFNC for 13 days or less and group 2 receiving
4 HHHFNC for more than 13 days. The main outcome comparisons according to BPD and its severity grade
5 were conducted between these groups as shown in the table below.

6 Supplementary Table 1: The BPD incidence rate and its severity grade according to receiving HHHFNC for 13 days.

	Infants receiving HHHFNC for 13 days or less (n=122)	Infants receiving HHHFNC for more than 13 days (n=119)	P value
Overall BPD incidence rate	49 (40)	77 (65)	<0.01
BPD grade 1	30 (25)	53 (44.5)	<0.01
BPD grade 2	14 (11.5)	15 (13)	0.79
BPD grade 3	5 (4)	9 (7.5)	0.25

7 Statistical comparison conducted using chi square test. Data presented as number (percentage). HHHFNC: heated humidified high
8 flow nasal cannula, BPD: Bronchopulmonary dysplasia

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