

Supplementary Table I. Characteristics and complications of hospitalization in preterm infants.

Event	Prophylaxis with PVZ (n=51)	Control (n=101)	p value
Days of neonatal stay, median (range)	58 (30-94)	54 (23-118)	0.627
Respiratory support, Mechanical ventilation, n (%)	33 (64.7%)	44 (43.6%)	0.014*
Duration of respiratory support in days, median (range)	5 (0-29)	0 (0-23)	0.016*
Surfactant, n (%)	19 (37.3%)	31 (30.7)	0.416
CPAP Continuous positive airway pressure, n (%)	27 (52.9%)	26 (25.7%)	<0.001*
Oxygen therapy, n (%)	51 (100.0)	101 (100.0)	1.000
Duration of oxygen therapy in days, median (range)	30 (10-75)	35 (21-84)	0.011*
Proven sepsis, n (%)	11 (21.6%)	34 (33.7%)	0.123
Intraventricular haemorrhage grade 1-2, n (%)	4 (7,8%)	26 (25,7%)	0.009
Intraventricular haemorrhage grade 3-4, n (%)	2 (3,9%)	9 (8,9%)	0.337
Hydrocephalus, n (%)	0 (0,0%)	1 (1,0%)	1.000

* p<0.05; statistically significant

Supplementary Table II. Characteristics and complications of hospitalization in infants with bronchopulmonary dysplasia.

Event	Prophylaxis with PVZ (n=33)	Control (n=59)	p value
Days of neonatal stay, median (range)	84 (56-190)	80 (36-165)	0.122
Respiratory support, Mechanical ventilation, n (%)	30 (90.9%)	50 (84.7%)	0.388
Duration of respiratory support in days, median (range)	25 (0-91)	16 (0-63)	0.031*
Surfactant, n (%)	29 (87.9%)	42 (71.2)	0.067
CPAP Continuous positive airway pressure, n (%)	27 (81.8%)	32 (54.2%)	0.008*
Oxygen therapy, n (%)	33 (100.0)	59 (100.0)	1.000
Duration of oxygen therapy in days, median (range)	56 (14-210)	63 (28-144)	0.289
Proven sepsis, n (%)	14 (42.4%)	17 (28.8%)	0.185
Intraventricular haemorrhage grade 1-2, n (%)	6 (18.2%)	17 (28.8%)	0.259
Intraventricular haemorrhage grade 3-4, n (%)	6 (18.2%)	15 (25.4%)	0.605
Hydrocephalus, n (%)	1 (3.0%)	3 (5.1%)	1.000

* p<0.05; statistically significant

Supplementary Table III. Characteristics and complications of hospitalization in infants with congenital heart disease and miscellaneous conditions.

Event	Congenital heart disease			Miscellaneous conditions		
	Prophylaxis with PVZ (n=13)	Control (n=4)	p value	Prophylaxis with PVZ (n=7)	Control (n=4)	p value
Days of neonatal stay, median (range)	21 (1-143)	55 (44-79)	0.031*	35 (0-90)	71.5 (35-107)	0.218
Respiratory support, Mechanical ventilation, n(%)	7 (53,8%)	3 (75,0%)	0.603	4 (57.1%)	3 (75.0%)	1.000
Duration of respiratory support in days, median (range)	1 (0-73)	7 (0-21)	0.445	15 (0-24)	5.5 (0-20)	0.923
Surfactant, n (%)	2 (15,4%)	2 (50,0)	0.219	2 (28.6%)	0 (0.0)	0.491
Continuous positive airway pressure, n (%)	4 (30,8%)	1 (25.0%)	1.000	3 (42.9%)	1 (25.0%)	1.000
Oxygen therapy, n (%)	7 (53,8%)	4 (100.0)	0.237	6 (85.7%)	4 (100.0)	1.000
Duration of oxygen therapy in days, median (range)	10 (0-143)	39 (28-49)	0.037*	25 (0-72)	43.5 (35-77)	0.088
Proven sepsis, n (%)	2 (15,4%)	0 (0,0%)	1.000	1 (14.3%)	0 (0.0%)	1.000
Intraventricular haemorrhage grade 1-2, n (%)	1 (7,7%)	2 (50,0%)	0.121	2 (28.6%)	2 (50.0%)	0.576

* p<0.05; statistically significant