

% Change from Before Surgery	Day 1 After Surgery				
	Control group		PPC group		
	MEAN	SD	Mean	SD	P
Borg score	2	3	1	2	0.309
Pain score	1	1	1	1	0.279
Forced Expiratory Volume in 1 second Litre	-53	26	-60	3	0.356
Forced Expiratory Volume in 1 second %	170	558	-58	4	0.208
Forced Vital Capacity Litre	-49	29	-61	6	0.397
Forced Vital Capacity %	-39	17	-60	6	0.387
Number of drains	1	0	1	1	0.074
CXR Atelectasis/consolidation	0	0	1	1	0.000
White Blood Count > 11.2 or Antibiotics	0	0	1	1	0.072
Temperature >38	0	0	0	0	
Positive sputum in microbiology	0	0	0	0	
O2 saturation of <90% Room air	0	0	0	1	0.012
Clinical Diagnosis of pneumonia	0	0	0	0	
Readmission to ITU	0	0	0	1	0.012
Productive caught	0	0	0	1	0.130
PPC score	0	1	2	1	0.001
Respiratory Rate	11	26	12	44	0.498
Inspiratory time	-6	14	1	38	0.139
Expiratory time	-4	28	28	80	0.056
Total time of respiratory cycle	-6	20	17	63	0.061
Overall Chest Wall Motion	3	10	11	18	0.074
Motion of operated side	-17	20	-17	6	0.351
Synchronization between the rib cage and abdomen (Respiratory cycle)	28	39	90	99	0.029
Synchronization between the rib cage and abdomen (Inspiratory phase)	2	148	402	516	0.007
Synchronization between the rib cage and abdomen (expiratory phase)	34	205	-348	137	0.021
Time to reach maximum expiratory flow	15	46	-4	5	0.215
Time to reach maximum inspiratory flow	-1	3	5	3	0.003

Table 1: Changes in respiratory parameters day 1 after surgery.