**Supplementary Data:**

All Figures in this data panel show the distribution of inotrope utilization on ECMO among survivors and non-survivors with VV and VA ECMO by disease type

Bacterial pneumonia

22

Bacterial pneumonia

20 (91%)

VA

2 (9%)

VV

0 (0%)

Inoptrope use

2 (100%)

Inoptrope use

2 (100%)

Nonsurvivors

2 (100%)

Inoptrope use

16 (89%)

Inoptrope use

0 (0%)

Survivors

2 (10%)

Survivors

18 (90%)

Nonsurvivors

Diaphragm hernia (2 missing VA/VV)

305

Diaphragm hernia

250 (82%)

VA

53 (17%)

VV

12 (86%)

Inoptrope use

29 (74%)

Inoptrope use

39 (74%)

Nonsurvivors

45 (83%)

Inoptrope use

159 (81%)

Inoptrope use

14 (26%)

Survivors

54 (22%)

Survivors

196 (78%)

Nonsurvivors

Meconium aspiration syndrome

27

Meconium aspiration syndrome

21 (78%)

VA

6 (22%)

VV

3 (60%)

Inoptrope use

1 (100%)

Inoptrope use

1 (17%)

Nonsurvivors

8 (57%)

Inoptrope use

5 (71%)

Inoptrope use

5 (83%)

Survivors

14 (67%)

Survivors

7 (33%)

Nonsurvivors

Septicemia

9

Septicemia

8 (89%)

VA

1 (11%)

VV

0 (0%)

Inoptrope use

0 (0%)

Inoptrope use

1 (100%)

Nonsurvivors

0 (0%)

Inoptrope use

6 (75%)

Inoptrope use

0 (0%)

Survivors

0 (0%)

Survivors

8 (100%)

Nonsurvivors

Viral pneumonia

19

Viral pneumonia

16 (84%)

VA

3 (16%)

VV

0 (0%)

Inoptrope use

2 (100%)

Inoptrope use

2 (67%)

Nonsurvivors

2 (50%)

Inoptrope use

10 (83%)

Inoptrope use

1 (33%)

Survivors

4 (25%)

Survivors

12 (75%)

Nonsurvivors

Other

57

Other

45 (79%)

VA

12 (21%)

VV

2 (100%)

Inoptrope use

9 (90%)

Inoptrope use

10 (83%)

Nonsurvivors

5 (56%)

Inoptrope use

28 (78%)

Inoptrope use

2 (17%)

Survivors

9 (20%)

Survivors

36 (80%)

Nonsurvivors