**Supplemental Table 1. Incidence of Neurologic Dysfunction in CF-LVAD Patients**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Closure of LVOT (n=16, 26 years) | | |  | No Closure of LVOT (n=510. 93years) | | |  |  |
| Event | Patients | Events | EPPY |  | Patients | Events | EPPY |  | *p* |
| Neurological dysfunction | 6 | 6 | 0.23 |  | 136 | 189 | 0.36 |  | 0.97 |
| MRS |  |  |  |  |  |  |  |  |  |
| 0 | 1 | 1 | 0.04 |  | 41 | 48 | 0.09 |  | 0.68 |
| 1 | 1 | 1 | 0.04 |  | 10 | 10 | 0.01 |  | 0.28 |
| 2 | 1 | 1 | 0.04 |  | 29 | 30 | 0.03 |  | 0.97 |
| 3 | 0 | 0 | 0.00 |  | 25 | 29 | 0.03 |  | 0.32 |
| 4 | 0 | 0 | 0.00 |  | 18 | 23 | 0.02 |  | 0.38 |
| 5 | 0 | 0 | 0.00 |  | 4 | 5 | 0.01 |  | 0.69 |
| 6 | 3 | 3 | 0.11 |  | 44 | 44 | 0.05 |  | 0.20 |
| IND | 4 | 4 | 0.15 |  | 75 | 98 | 0.19 |  | 0.25 |
| MRS |  |  |  |  |  |  |  |  |  |
| 0 | 1 | 1 | 0.04 |  | 18 | 22 | 0.02 |  | 0.70 |
| 1 | 1 | 1 | 0.04 |  | 8 | 8 | 0.01 |  | 0.15 |
| 2 | 0 | 0 | 0.00 |  | 17 | 18 | 0.02 |  | 0.61 |
| 3 | 0 | 0 | 0.00 |  | 16 | 17 | 0.02 |  | 0.68 |
| 4 | 0 | 0 | 0.00 |  | 12 | 14 | 0.02 |  | 0.72 |
| 5 | 0 | 0 | 0.00 |  | 2 | 3 | 0.00 |  | 0.75 |
| 6 | 2 | 2 | 0.08 |  | 16 | 16 | 0.02 |  | 0.18 |
| HND | 2 | 2 | 0.08 |  | 82 | 91 | 0.10 |  | 0.71 |
| MRS |  |  |  |  |  |  |  |  |  |
| 0 | 0 | 0 | 0.00 |  | 22 | 26 | 0.03 |  | 0.35 |
| 1 | 0 | 0 | 0.00 |  | 2 | 2 | 0.00 |  | 0.18 |
| 2 | 1 | 1 | 0.04 |  | 12 | 12 | 0.01 |  | 0.32 |
| 3 | 0 | 0 | 0.00 |  | 12 | 12 | 0.01 |  | 0.53 |
| 4 | 0 | 0 | 0.00 |  | 8 | 9 | 0.01 |  | 0.59 |
| 5 | 0 | 0 | 0.00 |  | 2 | 2 | 0.00 |  | 0.80 |
| 6 | 1 | 1 | 0.04 |  | 28 | 28 | 0.03 |  | 0.89 |

CF-LVAD, continuous-flow left ventricular assist device; EPPY, events per patient-year; IND, ischemic neurological dysfunction; HND, hemorrhage neurological dysfunction; LVOT, left ventricular outflow tract; MRS, modified Rankin score (0: no symptoms; 1: no significant disability—able to carry out all usual activities despite some symptoms; 2: slight disability—able to look after own affairs without assistance, but unable to carry out all previous activities; 3: moderate disability—requires some help, but able to walk unassisted; 4: moderately severe disability—unable to attend to own bodily needs without assistance, and unable to walk unassisted; 5: severe disability—requires constant nursing care and attention, bedridden, incontinent; and 6: dead).