

|  | <b>All</b> | <b>Epoch</b>  |                |                |
|--|------------|---------------|----------------|----------------|
| <b>Variable</b>                                      |            | <b>Pre-HS</b> | <b>Post-HS</b> | <b>p-value</b> |
| n  | <b>224</b> | <b>81</b>     | <b>143</b>     |                |
| vEEG Background                                      |            |               |                | 0.638          |
| Normal   | 28 (12.5)  | 11 (13.6)     | 17 (11.9)      |                |
| Abnormal   | 190 (84.8) | 66 (81.5)     | 124 (86.7)     |                |
| vEEG Pattern   |            |               |                | <0.001         |
| Continuous normal voltage                            | 38 (17)    | 14 (17.3)     | 24 (16.8)      |                |
| Excessive discontinuity with preserved state changes | 116 (51.8) | 25 (30.9)     | 91 (63.6)      |                |
| Burst suppression                                    | 26 (11.6)  | 14 (17.3)     | 12 (8.4)       |                |
| Continuous low voltage                               | 11 (4.9)   | 7 (8.6)       | 4 (2.8)        |                |
| Flat trace   | 1 (0.4)    | 1 (1.2)       | 0 (0)          |                |
| Seizures on vEEG                                     | 64 (28.6)  | 28 (34.6)     | 36 (25.2)      | 0.1            |
| Sleep wake cycling on vEEG                           | 103 (46)   | 27 (33.3)     | 76 (53.1)      | 0.004          |
| Sharp transients on vEEG                             | 78 (34.8)  | 17 (21)       | 61 (42.7)      | <0.001         |
| Anti-epileptic medications given                     | 90 (40.2)  | 39 (48.1)     | 51 (35.7)      | 0.067          |
| MRI performed  | 211 (94.2) | 74 (91.4)     | 137 (95.8)     | 0.234          |
| Normal   | 78 (34.8)  | 30 (37)       | 48 (33.6)      | 0.429          |
| Abnormal   | 133 (59.4) | 44 (54.3)     | 89 (62.2)      |                |
| MRS performed  | 112 (50)   | 0 (0)         | 112 (78.3)     | <0.001         |
| normal   | 82 (36.6)  | 0 (0)         | 82 (57.3)      | <0.001         |
| decreased NAA  | 111 (4.9)  | 0 (0)         | 11 (7.7)       | 0.008          |
| elevated lactate                                     | 24 (10.7)  | 0 (0)         | 24 (16.8)      | <0.001         |