Table (1): APACHE II and SOFA scores among studied groups

|  |  |  |
| --- | --- | --- |
| Score | **Groups** | **P value** |
| **A** | **B** |
| Mean ± SD | Range | Mean ± SD | Range |  |
| **APACHE II** | 21.8±4.9 | 10.0:28.0 | 22.6±5.9 | 11.0:38.0 | 0.431 |
| **SOFA** | 7.5±1.1 | 5.0:9.2 | 8.0±0.9 | 6.0:9.4 | 0.511 |

SD: Standard Deviation IQR: Inter Quartile Range

a: p value for independent sample t test b : p value for Mann-Whitney test

Table (2): Nutritional status among studied groups

|  |  |  |
| --- | --- | --- |
|  | **Groups** | **P value** |
| **A** | **B** |
| **Nutrition status** | **SGA A** | Number | 18 | 22 | 0.539 |
| % | 60.0% | 73.3% |
| **SGA B** | Number | 10 | 7 |
| % | 33.3% | 23.3% |
| **SGA C** | Number | 2 | 1 |
| % | 6.7% | 3.3% |
| Total | Number | 30 | 30 |
| % | 100.0% | 100.0% |

Fisher's Exact Test

SGA A (acceptably nourished) SGA B (mild/moderately malnourished)

SGA C (severely malnourished)

Table (3): Muscle thickness (cm) on ultrasound on study day 3 and 7 among studied groups

|  |  |  |
| --- | --- | --- |
| Muscle thickness in cm | Groups | P value |
| A | B |
| Mean±SD | Range | Mean±SD | Range |  |
| Biceps thickness day3 | 1.3±0.5 | 0.6:2.1 | 1.4±0.5 | 0.5:2.6 | 0.215 |
| Biceps thickness day7 | 1.8±0.5 | 0.8:3 | 1.9±0.5 | 0.9:3.5 | 0.392 |
| Forearm thickness day3 | 1.7±0.4 | 0.9:2.5 | 1.8±0.5 | 1:2.9 | 0.135 |
| Forearm thickness day7 | 2.4±0.6 | 1.5:3.6 | 3.3±0.7 | 1.9:4.6 | <0.001 |
| Thigh thickness day3 | 5.4±0.2 | 1.9:4.9 | 5.8±0.3 | 2.5:7.5 | 0.211 |
| Thigh thickness day7 | 5.9±0.1 | 2:5.9 | 6.7±0.3 | 3:8.6 | <0.001 |
| Sum of muscle sites thickness day3 | 7.8±0.4 | 3.8:7.9 | 8.0±0.1 | 4:7.9 | 0.611 |
| Sum of muscle sites thickness day7 | 7.9±0.8 | 4.9:7.8 | 8.8±0.7 | 6.3:8.9 | <0.001 |

SD: Standard Deviation IQR: Inter Quartile Range

 p value for independent sample t test

Table (4): Two-month mortality among studied groups

|  |  |  |
| --- | --- | --- |
|  | Groups | P value |
| A | B |
| Mortality | No | Number | 27 | 28 | 1.000 |
| % | 90.0% | 93.3% |
| Yes | Number | 3 | 2 |
| % | 10.0% | 6.7% |
| Total | Number | 30 | 30 |
| % | 100.0% | 100.0% |

Fisher's Exact Test

Two-month mortality was 10% in group A compared to 6.7% in group B with no statistical significant difference.

Table (5): Ventilator need among studied groups

|  |  |  |
| --- | --- | --- |
|  | Groups | P value |
| A | B |
| Ventilator need | No | Number | 25 | 26 |  |
| % | 83.3% | 86.7% |  |
| Yes | Number | 5 | 4 | 1.000 |
| % | 16.7% | 13.3% |  |
| Total | Number | 30 | 30 |  |
| % | 100.0% | 100.0% |  |

Fisher's Exact Test

Ventilator need was 16.7% in group A compared to 13.3% in group B with no statistical significant difference.