Table 1: Values of various parameters studied in the VD group before and after treatment.

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Pre (n=44)** | **Post (n=44)** | **Pre vs Post** |
| **Mean ± SD or Median (IQR)** | **95% CI of** **Mean / Median** | **Mean ± SD or Median (IQR)** | **95% CI of** **Mean / Median** | **t or z statistic** | **p value** |
| **Vit.D (ng/ml)** | 15.65 ± 5.54# | 13.96-17.33\* | 88.96 ± 31.55# | 79.40-98.52\* | 15.53 | <0.0001 |
| **CRP****(mg/L)** | 81.31 ± 66.38# | 61.13-101.49\* | 16.48 ± 41.99# | 3.72-29.26\* | -5.98 | <0.0001 |
| **LDH****(U/L)** | 369.46 ± 159.34# | 321.02-417.91\* | 274.4 ± 114.8# | 239.50-309.30\* | -4.58 | <0.0001 |
| **IL6****(pg/ml)** | 15.2 (5.30-56.65)  | 8.95-28.62 | 2.95 (0.90-7.55) | 1.70-4.79 | 4.29 | <0.0001 |
| **Ferritin****(ng/ml)** | 430.65(189.9-835.7)  | 261.76-708.01 | 333.95 (153.8-508.0) | 202.77-432.69 | 3.52 | 0.0004 |
| **N/L Ratio** | 5.49 (3.08-10.99)  | 4.14-7.72 | 3.32 (2.35-5.26) | 2.69-4.78 | 3.66 | 0.0003 |
| Vit.D: Vitamin D, CRP: C-Reactive protein, LDH: Lactate Dehydrogenase, Il-6: Interleukin-6, N/L ratio: Neutrophil/Lymphocyte ratio, IQR: Interquartile range, #: Mean ±SD, \*: 95% CI of Mean |

Table 2: Values of various parameters studied in the NVD group before and after treatment~~.~~

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Pre (n=43)** | **Post (n=43)** | **Pre vs Post** |
| **Mean ± SD or Median (IQR)** | **95% CI of Mean / Median** | **Mean ± SD or Median (IQR)** | **95% CI of** **Mean / Median** | **t or z statistic** | **p value** |
| **Vit.D (ng/ml)** | 17.02 ±6.35# | 15.06-18.98\* | 16.26 ± 7.21# | 14.04-18.48\* | -0.72 | 0.48 |
| **CRP****(mg/L)** | 10.77 (2.88-43.42) | 4.92-30.62 | 5 (1.29-8.76) | 2.33-7.09 | 2.67 | 0.008 |
| **LDH****(U/L)** | 243.7 (171.5-297.8) | 189.30-262.72 | 207.2 (175.45-251.3) | 189.71-224.42 | 1.38 | 0.17 |
| **IL6****(pg/ml)** | 2.7 (0.82-9.47) | 1.26-5.66 | 3.9(0.62-10.72) | 1.42-7.04 | -0.09 | 0.93 |
| **Ferritin****(ng/ml)** | 169 (62.67-525.9) | 86.60-328.85 | 195.5 (53.92-455.55) | 68.36-331.04 | 1.81 | 0.07 |
| **N/L Ratio** | 3.04 (1.69-5.23) | 2.15-3.87 | 2.48 (2.09-3.66) | 2.30-2.95 | 0.27 | 0.79 |
| Vit.D: Vitamin D, CRP: C-Reactive protein, LDH: Lactate Dehydrogenase, Il-6: Interleukin-6, N/L ratio: Neutrophil/Lymphocyte ratio, IQR: Interquartile range, #: Mean ± SD, \*: 95% CI of Mean |

Table 3: The values of difference in the inflammatory markers and vitamin D between the two groups (NVD vs VD)

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **NVD (n=43)** | **VD (n=44)** | **NVD vs VD** |
| **Difference (Pre –Post)** | **Median** **(IQR)** | **95% CI of Median** | **Median** **(IQR)** | **95% CI of Median** |  **z statistic** | **p value** |
| **Vit.D (ng/ml)** | -0.10 (-3.21-4.69) | -1.28-2.69 | -64.20 (-92.46-52.3) | -81.2-58.43 | 8.03 | <0.0001 |
| **CRP****(mg/L)** | 5.49 (-2.62-38.61) | -0.003-21.31 | 50.70 (9.60-112.75) | 30.45-85.06 | -3.87 | 0.0001 |
| **LDH****(U/L)** | 15.40 (-22.08-59.97) | -12.59-40.01 | 71.70 (13.48-167.68) | 47.83-132.54 | 3.15 | 0.0016 |
| **IL6****(pg/ml)** | 0.50 (-6.95-3.77) | -3.72-1.28 | 12.50(2.0-45.5) | 7.80-24.77 | -3.69 | 0.0002 |
| **Ferritin****(ng/ml)** | 10.70 (10.72-55.47) | -5.65-37.86 | 84.40 (7.95-268.35) | 55.04-170.77 | 2.64 | 0.008 |
| **N/L Ratio** | 0.05 (-1.11-1.81) | -0.67-1.18 | 0.88 (0.0-4.7) | 0.27-2.24 | -2.62 | 0.0087 |
| Vit.D: Vitamin D, CRP: C-Reactive protein, LDH: Lactate Dehydrogenase, Il-6: Interleukin-6, N/L ratio: Neutrophil/Lymphocyte ratio, IQR: Interquartile range. |

Table 4: Values of various parameters analysed in the eVD sub group before and after treatment.

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Pre (n=15)** | **Post (n=15)** | **Pre vs Post** |
| **Mean ± SD or Median (IQR)** | **95% CI of Mean / Median** | **Mean ± SD or Median (IQR)** | **95% CI of** **Mean / Median** | **t or z statistic** | **p value** |
| **Vit.D (ng/ml)** | 14.76 ± 5.27# | 11.84-17.68\* | 81.47 ± 31.59# | 63.98-98.96\* | 8.34 | <0.0001 |
| **LDH****(U/L)**  | 384.89 ± 206.33# | 270.62-499.15\* | 253.86 ± 83.6# | 207.56-300.15\* | -3.15 | 0.007 |
| **IL6****(pg/ml)** | 33.08 ± 34.74# | 13.84-52.32\* | 3.23 ± 3.77# | 1.14-5.31\* | -3.42 | 0.004 |
| **CRP****(mg/L)** | 56.74 (21.97-96.12) | 22.18-96.04 | 8.1 (2.71-16.09) | 2.72-16.08 | 3 | 0.0003 |
| **Ferritin****(ng/ml)** | 207 (125.85-565.45) | 125.96-565.24 | 186.4 (93.57-423.45) | 93.64-422.89 | 13 | 0.005 |
| **N/L Ratio** | 5.67 (2.78-12.54) | 2.79-12.49 | 2.69 (2.07-4.25) | 2.07-4.24 | 11 | 0.003 |
| Vit.D: Vitamin D, CRP: C-Reactive protein, LDH: Lactate Dehydrogenase, Il-6: Interleukin-6, N/L ratio: Neutrophil/Lymphocyte ratio, IQR: Interquartile range, #: Mean ± SD, \*: 95% CI of Mean |

Table 5: Values of various parameters analysed in the eNVD sub group before and after treatment.

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Pre (n=15)** | **Post (n=15)** | **Pre vs Post** |
| **Mean ± SD or Median (IQR)** | **95% CI of Mean / Median** | **Mean ± SD or Median (IQR)** | **95% CI of** **Mean / Median** | **t or z statistic** | **p value** |
| **Vit.D (ng/ml)** | 16.08 ± 6.06# | 12.72-19.44\* | 16.56 ± 8.11# | 12.07-21.05\* | 0.225 | 0.82 |
| **LDH****(U/L)**  | 257.45 ±106.49# | 198.48-316.42\* | 235 ± 88.17# | 186.18-283.83\* | -0.89 | 0.39 |
| **IL6****(pg/ml)** | 3.8 (1.60-9.48) | 1.6-9.44 | 1.3 (0.0-9.02) | 0-9.00 | 49 | 0.56 |
| **CRP****(mg/L)** | 8.07 (1.82-19.45) | 1.83-19.30 | 5.11 (1.71-8.40) | 1.72-8.39 | 42 | 0.33 |
| **Ferritin****(ng/ml)** | 147 (64.85-229.95) | 65.15-229.16 | 188.7 (50.55-237) | 50.64-236.94 | 51 | 0.64 |
| **N/L Ratio** | 1.67 (1.40-2.76) | 1.41-2.76 | 2.41 (1.83-4.52) | 1.83-4.52 | 24 | 0.04 |
| Vit.D: Vitamin D, CRP: C-Reactive protein, LDH: Lactate Dehydrogenase, Il-6: Interleukin-6, N/L ratio: Neutrophil/Lymphocyte ratio, IQR: Interquartile range, #: Mean ± SD, \*: 95% CI of Mean |

Table 6: Values of difference in the inflammatory markers and vitamin D between the sub groups (eNVD vs eVD).

|  |  |  |  |
| --- | --- | --- | --- |
| **Difference in in variable****(Pre-Post)** | **eNVD (n=15)** | **eVD (n=15)** | **eNVD vs eVD** |
| **Mean± SD or Median (IQR)** | **95% CI of Mean / Median** | **Mean± SD or Median (IQR)** | **95% CI of** **Mean / Median** | **t or z statistic** | **p value** |
| **IL6****(pg/ml)** | 2.69 ± 28.23# | -12.94 -18.33\* | 29.85 ± 33.78# | 11.14 - 48.56\* | 2.39 | 0.024 |
| **Vit.D****(ng/ml)** | -1.04 (-5.6-3.86) | -5.59 - 3.85 | -63.32(-75.12-47.72) | -75.05 - 47.80 | 4.67 | <0.0001 |
| **LDH****(U/L)** | -0.62 (-22.08-63.69) | -22.08-63.42 | 73.4(41.65-203.65) | 41.77- 203.31 | 2.26  | 0.024 |
| **CRP****(mg/L)** | 0.73(-2.35-12.98) | 2.31-12.91 | 39.27(16.85-84.33) | 16.92- 84.29 | 3.26 | 0.0011 |
| **Ferritin****(ng/ml)** | 1.1 (-11.55-55.47) | -11.51-55.46 | 75.9(5.75-158.82) | 5.83- 157.94 | 1.85 | 0.065 |
| **N/L Ratio** | -0.54 (-1.26-0.01) | -1.26-0.01 | 1.0 (0.07-4.98) | 0.08-4.96 | 3.42 | 0.0006 |
| Vit.D: Vitamin D, CRP: C-Reactive protein, LDH: Lactate Dehydrogenase, Il-6: Interleukin-6, N/L ratio: Neutrophil/Lymphocyte ratio, IQR: Interquartile range, #: Mean ± SD, \*: 95% CI of Mean  |