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 | | | | | | |