Tables with mean values for all the variables:

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)** | 16 ± 6# | 14-17\* | 89 ± 32# | 79-99\* | 16 | <0.0001 |
| **CRP****(mg/L)** | 81 ± 66# | 61-101\* | 16 ± 42# | 4-29\* | -6 | <0.0001 |
| **LDH****(U/L)** | 369 ± 159# | 321-418\* | 274 ± 115# | 240-309\* | -5 | <0.0001 |
| **IL6****(pg/ml)** | 35.3 ± 46.4ϕ | 21.2 to 49.4δ | 7.3 ±14.2 ϕ | 3.0 to 11.6 δ | -4 | 0.0004 |
| 15(5-57) | 9-29 | 3(0.9-8) | 2-5 | 4 | <0.0001 |
| **Ferritin****(ng/ml)** | 541.4 ± 412.7 ϕ | 415.9 to 666.9 δ | 416.6± 366.9 ϕ | 305to 528.1 δ | -3 |  0.0047 |
| 431(190-836) | 262-708 | 334(154-508) | 203-433 | 4 | 0.0004 |
| **N/L Ratio** | 8.9 ± 12 ϕ | 5.2 to 12.5 δ | 4.5±3.6 ϕ | 3.4 to 5.6 δ | -2 |  0.0210 |
| 5(3-11) | 4-8 | 3(2-5) | 3-5 | 4 | 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, ϕ : Mean ±SD for normality rejected data, δ: 95% CI of Mean for normality rejected data. |

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 ±6# | 15-19\* | 16 ± 7# | 14-18\* | -1 | 0.5 |
| **CRP****(mg/L)** | 30.6 ± 44.6 ϕ | 16.8 to 44.3 δ | 13.2 ± 32 ϕ | 3.3 to 23 δ | -2 |  0.0465 |
| 11 (3-43) | 5-31 | 5 (1-9) | 2-7 | 3 | 0.008 |
| **LDH****(U/L)** | 246.7 ± 95.1 ϕ | 217.4 to 275.9 δ | 228.3± 85.3 ϕ | 202.1 to 254.5 δ | -1 |  0.2149 |
| 244 (172-298) | 189-263 | 207 (175-251) | 190-224 | 1 | 0.2 |
| **IL6****(pg/ml)** | 14.2± 30.8 ϕ | 4.7 to 23.7 δ | 10.2 ± 17.1 ϕ | 5 to 15.5 δ | -1 | 0.4449 |
| 3 (1-9) | 1-6 | 4(1-11) | 1-7 | -0.1 | 0.9 |
| **Ferritin****(ng/ml)** | 352.1±415.1 ϕ | 224.3 to 479.8 δ | 275.9 ± 263.9 ϕ | 194.7 to 357.1 δ | -2 | 0.0580 |
| 169 (63-526) | 87-329 | 196 (54-456) | 68-331 | 2 | 0.07 |
| **N/L Ratio** | 3.7 ± 2.6 ϕ | 2.9 to 4.5 δ | 5.1 ± 8.1 ϕ | 2.6 to 7.6 δ | 1 | 0.2140 |
| 3 (2-5) | 2-4 | 2 (2-4) | 2-3 | 0.3 | 0.8 |
| 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, ϕ : Mean ±SD for normality rejected data, δ: 95% CI of Mean for normality rejected data. |

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)** | **Mean ± SD or Median** **(IQR)** | **95% CI of Median** | **Mean ± SD or Median** **(IQR)** | **95% CI of Median** | **t or z statistic** | **p value** |
| **Vit.D (ng/ml)** | .8 ± 6.9 ϕ | -1.4to 2.9 δ | -73.3 ± 31.3 ϕ | -82.8 to -63.8 δ | -15 | 0.0001 |
| -0.1 (-3-5) | -1-3 | -64 (-92-52) | -81-58 | 8 | <0.0001 |
| **CRP****(mg/L)** | 17.4± 55.6 ϕ | 0.3to 34.5 δ | 64.8± 71.9 ϕ | 43 to 86.7 δ | 3 | 0.0009 |
| 5 (-3-39) | -0.003-21 | 51 (10-113) | 30-85 | -4 | 0.0001 |
| **LDH****(U/L)** | 18.4 ± 95.6 ϕ | -11.1 to 47.8 δ | 95.1 ± 137.8 ϕ | 53.2to 137 δ | 3 | 0.0034 |
| 15 (-22-60) | -13-40 | 72 (13-168) | 48-133 | 3 | 0.002 |
| **IL6****(pg/ml)** | 4± 33.7 ϕ | -6.4 to 14.3 δ | 27.9 ± 48.3 ϕ | 13.3 to 42.6 δ | 3 | 0.0089 |
| 0.5 (-7- 4) | -4 -1 | 13(2-46) | 8-25 | -4 | 0.0002 |
| **Ferritin****(ng/ml)** | 76.1± 256.2 ϕ | -2.7 to 155 δ | 124.8 ± 277.7 ϕ | 40.4 to 209.2 δ | 1 | 0.3983 |
| 11 (11-55) | -6-38 | 84 (8-268) | 55-171 | 3 | 0.008 |
| **N/L Ratio** | -1.4 ± 7.2 ϕ | -3.6 to 0.8 δ | 4.3 ± 12 ϕ | 0.7 to 8 δ | 3 | 0.0087 |
| 0.05 (-1-2) | -0.7-1 | 0.9 (0-5) | 0.3-2 | -3 | 0.009 |
| Vit.D: Vitamin D, CRP: C-Reactive protein, LDH: Lactate Dehydrogenase, Il-6: Interleukin-6, N/L ratio: Neutrophil/Lymphocyte ratio, IQR: Interquartile range, ϕ : Mean ±SD for normality rejected data, δ: 95% CI of Mean for normality rejected data. |

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)** | 15 ± 5# | 12-18\* | 81 ± 32# | 64-99\* | 8 | <0.0001 |
| **LDH****(U/L)**  | 385 ± 206# | 271-499\* | 254 ± 84# | 208-300\* | -3 | 0.007 |
| **IL6****(pg/ml)** | 33 ± 35# | 14-52\* | 3 ± 4# | 1-5\* | -3 | 0.004 |
| **CRP****(mg/L)** | 72.8 ± 65.8 ϕ | 36.4to 109.3 δ | 16 ±20.4 ϕ | 4.7to 27.3 δ | -4 | 0.0019 |
| 57(22-96) | 22-96 | 8(3-16) | 3-16 | 3 | 0.0003 |
| **Ferritin****(ng/ml)** | 407.6±390.4 ϕ | 191.5to 623.8 δ | 265.8±222.2 ϕ | 142.7to 388.8 δ | -2 | 0.0235 |
| 207(126-565) | 126-565 | 186(94-423) | 94-423 | 13 | 0.005 |
| **N/L Ratio** | 12.7±19.4 ϕ | 1.9 to 23.4 δ | 4.6±5.3 ϕ | 1.7to 7.5 δ | -2 | 0.1316 |
| 6(3-13) | 3-12 | 3(2-4) | 2-4 | 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, ϕ : Mean ±SD for normality rejected data, δ: 95% CI of Mean for normality rejected data. |

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 ± 6# | 13-19\* | 17 ± 8# | 12-21\* | 0.2 | 0.8 |
| **LDH****(U/L)** | 257 ±106# | 198-316\* | 235 ± 88# | 186-284\* | -0.9 | 0.4 |
| **IL6****(pg/ml)** | 12.5 ±28 ϕ | -3.0 to 27.9 δ | 9.7±20 ϕ | -1.3 to 20.8 δ | -0.4 | 0.7173 |
| 4 (2-9) | 2-9 | 1(0-9) | 0-9 | 49 | 0.6 |
| **CRP****(mg/l)** | 14.2 ±17.1 ϕ | 4.7to 23.6 δ | 19.0 ±50.3 ϕ | -8.8 to 46.8 δ | 0.3 | 0.7368 |
| 8(2-19) | 2-19 | 5(2-8) | 2-9 | 42 | 0.3 |
| **Ferritin****(ng/ml)** | 231.7 ±313.9 ϕ | 57.9 to 405.6 δ | 181.1±138.8 ϕ | 104.2 to 258 δ | -1 | 0.3882 |
| 147(65-230) | 65-229 | 189(51-237) | 51-237 | 51 | 0.6 |
| **N/L Ratio** | 2.2 ±1.2 ϕ | 1.5 to 2.9 δ | 3.6±2.9 ϕ | 1.9 to 5.2 δ | 2 | 0.1013 |
| 2(1-3) | 1-3 | 2(2-5) | 2-5 | 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, ϕ : Mean ±SD for normality rejected data, δ: 95% CI of Mean for normality rejected data. |

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)** | 3 ± 28# | -13 -18\* | 30 ± 34# | 11- 49\* | 2 | 0.02 |
| **Vit.D****(ng/ml)** | -0.5 ± 8.2 ϕ | -5.0 to 4.1 δ | -66.7 ± 31 ϕ | -83.9 to -49.5 δ | -8 |  < 0.0001 |
| -1(-6-4) | -6 - 4 | -63(-75-48) | -75 - 48 | 5 | <0.0001 |
| **LDH****(U/L)** | 22.4 ± 98 ϕ | -31.8 to 76.7 δ | 131.0 ± 160.9 ϕ | 41.9 to 220.1 δ | 2 | 0.0338 |
| -0.6(-22-64) | -22-63 | 73(42-204) | 42- 203 | 2 | 0.02 |
| **CRP****(mg/L)** | -4.8 ± 54.5 ϕ | -35.0 to 25.4 δ | 56.8 ± 57.7 ϕ | 24.9to 88.8 δ | 3 |  0.0055 |
| 0.7(-2.35-12.98) | 2-13 | 39(17-84) | 17- 84 | 3 | 0.001 |
| **Ferritin****(ng/ml)** | 50.6 ±220.0 ϕ | -71.2 to 172.4 δ | 141.9 ±216.2 ϕ | 22.1 to 261.6 δ | 1 | 0.2615 |
| 1(-12-55) | -12-55 | 76(6-159) | 6- 158 | 2 | 0.07 |
| **N/L Ratio** | -1.4 ± 3 ϕ | -3 to 0.3 δ | 8.1±19.5 ϕ | -2.7 to 18.9 δ | 2 |  0.0751 |
| -0.5(-1-0.01) | -1-0.01 | 1.0(0.07-5) | 0.08-5 | 3 | 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, ϕ : Mean ±SD for normality rejected data, δ: 95% CI of Mean for normality rejected data.  |