**TABLE 1: DESCRIPTIVE STATISTICS**

Dependent variable: retropharyngeal space

|  |  |  |  |
| --- | --- | --- | --- |
| **Group** | **Retropharyngeal space (mm)** | **Mean** | **Standard deviation** |
|  | LC1 | 17.0600 | 3.23014 |
| **Group A** | LC2 | 21.8600 | 3.36459 |
| **(n=10)** | LC3 | 23.7000 | 3.10269 |
|  | LC1 | 16.3700 | 4.01831 |
| **Group B** | LC2 | 22.5270 | 3.26958 |
| **(n=10)** | LC3 | 22.8500 | 3.26165 |

**Table 1**- represents descriptive statistics of mean values of retropharyngeal space on lateral cephalogram ( LC1- without dentures, LC2- with old dentures, LC3- with new dentures) in Group A & (LC1- without dentures, LC2 with new dentures, LC 3-on 15th day follow up) in Group B patients respectively.

**TABLE 2: DESCRIPTIVE STATISTICS**

Dependent variable: lung volumes

**Group A**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **FVC** | | **FEV1** | | **FEV1/FVC** | | **PEFR** | |
| **(N=10)** | **Mean** | **Std.dv** | **Mean** | **Std.dv** | **Mean** | **Std.dv** | **Mean** | **Std.dv** |
| **S1** | 3.0580 | .63770 | 2.1800 | .46411 | 71.9200 | 5.09720 | 3.6050 | .67471 |
| **S2** | 3.3060 | .63532 | 2.4410 | .46384 | 73.8850 | 3.90925 | 3.8020 | .67458 |
| **S3** | 3.5480 | .59836 | 2.7010 | .45052 | 76.1010 | 3.34845 | 4.2260 | .66577 |

**Table 2a**- represents descriptive statistics of mean values of lung volumes on spirometer (S1- without dentures, S2- with old dentures, S3- with new dentures) in Group A patients.

**Group B**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **FVC** | | **FEV1** | | **FEV1/FVC** | | **PEFR** | |
| **(N=10)** | **Mean** | **Std.dv** | **Mean** | **Std.dv** | **Mean** | **Std.dv** | **Mean** | **Std.dv** |
| **S1** | 3.0960 | .73696 | 2.1890 | .53970 | 71.8530 | 3.19001 | 3.8580 | .69000 |
| **S2** | 3.5270 | .81775 | 2.5450 | .59427 | 73.7420 | 2.67751 | 4.2110 | .68179 |
| **S3** | 3.6030 | .81295 | 2.6570 | .63226 | 74.4110 | 2.78536 | 4.4440 | .75396 |

**Table 2b**- represents descriptive statistics of mean values of lung volumes on spirometer (S1- without dentures, S2- with new dentures, S3- on 15th day) in Group B patients.

**TABLE 3: PAIRED‘t’ TEST (Group A)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Group**  **(n=10)** | **Mean Difference** | **Std** | **t** | **df** | **Sig**  **(2-tailed)** |
| **Pair** | LC1-LC2 | -4.8000 | 1.73781 | -8.734 | 9 | .000\* |
|  | LC2-LC3 | -1.8400 | 1.05851 | -5.497 | 9 | .000\* |

\*significant

Table 3: The paired sample t-test shows that the mean retropharyngeal space measurements recorded with old dentures (LC2) was 28% higher than that recorded without dentures (LC1). This difference was statistically highly significant (p = 0.000).and mean retropharyngeal space measurements recorded with new dentures (LC3) was 8.41% higher than that recorded with old dentures (LC2). This difference was statistically highly significant (p = 0.000).

**TABLE 4: PAIRED‘t’ TEST (Group B)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Group**  **(n=10)** | **Mean**  **difference** | **Std** | **t** | **df** | **Sig**  **(2-tailed)** |
| **Pair** | **LC1-LC2** | -6.1570 | 1.87961 | -10.359 | 9 | .000\* |
|  | **LC2-LC3** | -.3230 | .24622 | -4.148 | 9 | .002\* |

\*significant

Table 4:The paired sample t-test shows that the mean retropharyngeal space measurements recorded with new dentures (LC2) was 37.56% higher than that recorded without dentures (LC1). This difference was statistically highly significant (p = 0.000) & the mean retropharyngeal space measurements recorded with new dentures (LC3) was 1.46% higher than that recorded with new dentures (LC2). This difference was statistically significant (p = 0.002).

**TABLE 5: Paired ‘t’ TEST for lung volumes (Group A)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pair | **Mean**  **difference** | **Std** | **t** | **df** | **Sig**  **(2-tailed)** |
| **S1FVC - S2FVC** | -.2480 | .10727 | -7.311 | 9 | .000\* |
| **S1FVC - S3FVC** | -.4900 | .20710 | -7.482 | 9 | .000\* |
| **S2FVC - S3FVC** | -.2420 | .16288 | -4.698 | 9 | .001\* |
| **S1FEV1 - S2FEV1** | -.2610 | .09871 | -8.362 | 9 | .000\* |
| **S1FEV1 - S3FEV1** | -.5210 | .16502 | -9.984 | 9 | .000\* |
| **S2FEV1 - S3FEV1** | -.2600 | .14704 | -5.591 | 9 | .000\* |
| **S1FEV1/FVC - S2FEV1/FVC** | -1.9650 | 1.46284 | -4.248 | 9 | .002\* |
| **S1FEV1/FVC - S3FEV1/FVC** | -4.1810 | 2.14356 | -6.168 | 9 | .000\* |
| **S2FEV1/FVC - S3FEV1/FVC** | -2.2160 | 1.31602 | -5.325 | 9 | .000\* |
| **S1PEFR - S2PEFR** | -.1970 | .11823 | -5.269 | 9 | .001\* |
| **S1PEFR - S3PEFR** | -.6210 | .15191 | -12.927 | 9 | .000\* |
| **S2PEFR - S3PEFR** | -.4240 | .08771 | -15.287 | 9 | .000\* |

\*significant

Table 5: The paired sample t-test depicts mean values for spirometric recording without dentures (S1) and with old dentures (S2) and with new dentures (S3) for Group A .

**TABLE 6: Paired ‘t’ TEST for lung volumes (Group B)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pair | **Mean**  **difference** | **Std** | **t** | **df** | **Sig**  **(2-tailed)** |
| **S1FVC - S2FVC** | -.4310 | .16835 | -8.096 | 9 | .000 |
| **S1FVC - S3FVC** | -.5070 | .15151 | -10.582 | 9 | .000 |
| **S2FVC - S3FVC** | -.0760 | .04248 | -5.658 | 9 | .000 |
| **S1FEV1 - S2FEV1** | -.3560 | .14834 | -7.589 | 9 | .000 |
| **S1FEV1 - S3FEV1** | -.4680 | .13927 | -10.627 | 9 | .000 |
| **S2FEV1 - S3FEV1** | -.1120 | .08066 | -4.391 | 9 | .002 |
| **S1FEV1/FVC - S2FEV1/FVC** | -1.8890 | .84141 | -7.099 | 9 | .000 |
| **S1FEV1/FVC - S3FEV1/FVC** | -2.5580 | .78610 | -10.290 | 9 | .000 |
| **S2FEV1/FVC - S3FEV1/FVC** | -.6690 | .36075 | -5.864 | 9 | .000 |
| **S1PEFR - S2PEFR** | -.3530 | .10985 | -10.162 | 9 | .000 |
| **S1PEFR - S3PEFR** | -.5860 | .12195 | -15.196 | 9 | .000 |
| **S2PEFR - S3PEFR** | -.2330 | .11963 | -6.159 | 9 | .000 |

\*significant

Table 6: The paired sample t-test depicts mean values for spirometric recording without dentures (S1) ,with new dentures (S2) and on 15th day follow up (S3) for Group B.