Independent samples t-test

|  |
| --- |
| Sample 1 |
| Variable | Age |
| Filter | No Reintubation |
| Sample 2 |
| Variable | Age |
| Filter | Reintubation |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 9 | 5 |
| Arithmetic mean | 69.6667 | 74.8000 |
| 95% CI for the mean | 61.9035 to 77.4298 | 66.8301 to 82.7699 |
| Variance | 102.0000 | 41.2000 |
| Standard deviation | 10.0995 | 6.4187 |
| Standard error of the mean | 3.3665 | 2.8705 |

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| --- | --- |
| F-test for equal variances | P = 0.398 |

## T-test (assuming equal variances)

|  |  |
| --- | --- |
| Difference | 5.1333 |
| Standard Error | 5.0426 |
| 95% CI of difference | -5.8536 to 16.1203 |
| Test statistic t | 1.018 |
| Degrees of Freedom (DF) | 12 |
| Two-tailed probability | P = 0.3288 |

Independent samples t-test

|  |
| --- |
| Sample 1 |
| Variable | Re\_intubation |
| Filter | Reason\_of\_admission\_in\_ICU=0 |
| Sample 2 |
| Variable | Re\_intubation |
| Filter | Reason\_of\_admission\_in\_ICU=1 |

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| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 8 | 6 |
| Arithmetic mean | 0.3750 | 0.3333 |
| 95% CI for the mean | -0.05768 to 0.8077 | -0.2086 to 0.8753 |
| Variance | 0.2679 | 0.2667 |
| Standard deviation | 0.5175 | 0.5164 |
| Standard error of the mean | 0.1830 | 0.2108 |

|  |  |
| --- | --- |
| F-test for equal variances | P = 0.967 |

## T-test (assuming equal variances)

|  |  |
| --- | --- |
| Difference | -0.04167 |
| Standard Error | 0.2792 |
| 95% CI of difference | -0.6501 to 0.5668 |
| Test statistic t | -0.149 |
| Degrees of Freedom (DF) | 12 |
| Two-tailed probability | P = 0.8839 |

Independent samples t-test

|  |
| --- |
| Sample 1 |
| Variable | Days\_of\_MV |
| Filter | No Reintubation |
| Sample 2 |
| Variable | Days\_of\_MV |
| Filter | Reintubation |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 9 | 5 |
| Arithmetic mean | 7.6667 | 7.2000 |
| 95% CI for the mean | 4.5920 to 10.7413 | 2.7751 to 11.6249 |
| Variance | 16.0000 | 12.7000 |
| Standard deviation | 4.0000 | 3.5637 |
| Standard error of the mean | 1.3333 | 1.5937 |

|  |  |
| --- | --- |
| F-test for equal variances | P = 0.878 |

## T-test (assuming equal variances)

|  |  |
| --- | --- |
| Difference | -0.4667 |
| Standard Error | 2.1530 |
| 95% CI of difference | -5.1577 to 4.2244 |
| Test statistic t | -0.217 |
| Degrees of Freedom (DF) | 12 |
| Two-tailed probability | P = 0.8320 |

Independent samples t-test

|  |
| --- |
| Sample 1 |
| Variable | FEV1 |
| Filter | No Reintubation |
| Sample 2 |
| Variable | FEV1 |
| Filter | Reintubation |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 9 | 5 |
| Arithmetic mean | 40.5556 | 50.2000 |
| 95% CI for the mean | 29.2121 to 51.8990 | 32.1339 to 68.2661 |
| Variance | 217.7778 | 211.7000 |
| Standard deviation | 14.7573 | 14.5499 |
| Standard error of the mean | 4.9191 | 6.5069 |

|  |  |
| --- | --- |
| F-test for equal variances | P = 0.947 |

## T-test (assuming equal variances)

|  |  |
| --- | --- |
| Difference | 9.6444 |
| Standard Error | 8.1929 |
| 95% CI of difference | -8.2062 to 27.4951 |
| Test statistic t | 1.177 |
| Degrees of Freedom (DF) | 12 |
| Two-tailed probability | P = 0.2619 |

Independent samples t-test

|  |
| --- |
| Sample 1 |
| Variable | FEV1\_FVC |
| Filter | No Reintubation |
| Sample 2 |
| Variable | FEV1\_FVC |
| Filter | Reintubation |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 9 | 5 |
| Arithmetic mean | 56.6667 | 51.0000 |
| 95% CI for the mean | 50.6755 to 62.6578 | 41.5031 to 60.4969 |
| Variance | 60.7500 | 58.5000 |
| Standard deviation | 7.7942 | 7.6485 |
| Standard error of the mean | 2.5981 | 3.4205 |

|  |  |
| --- | --- |
| F-test for equal variances | P = 0.955 |

## T-test (assuming equal variances)

|  |  |
| --- | --- |
| Difference | -5.6667 |
| Standard Error | 4.3205 |
| 95% CI of difference | -15.0802 to 3.7469 |
| Test statistic t | -1.312 |
| Degrees of Freedom (DF) | 12 |
| Two-tailed probability | P = 0.2142 |

Independent samples t-test

|  |
| --- |
| Sample 1 |
| Variable | GOLD\_stage |
| Filter | No Reintubation |
| Sample 2 |
| Variable | GOLD\_stage |
| Filter | Reintubation |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 9 | 5 |
| Arithmetic mean | 2.8889 | 2.6000 |
| 95% CI for the mean | 2.2880 to 3.4898 | 1.4894 to 3.7106 |
| Variance | 0.6111 | 0.8000 |
| Standard deviation | 0.7817 | 0.8944 |
| Standard error of the mean | 0.2606 | 0.4000 |

|  |  |
| --- | --- |
| F-test for equal variances | P = 0.689 |

## T-test (assuming equal variances)

|  |  |
| --- | --- |
| Difference | -0.2889 |
| Standard Error | 0.4579 |
| 95% CI of difference | -1.2867 to 0.7089 |
| Test statistic t | -0.631 |
| Degrees of Freedom (DF) | 12 |
| Two-tailed probability | P = 0.5400 |

Independent samples t-test

|  |
| --- |
| Sample 1 |
| Variable | SAPS II (at ICU admission) |
| Filter | No Reintubation |
| Sample 2 |
| Variable | SAPS II (at ICU admission) |
| Filter | Reintubation |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 9 | 5 |
| Arithmetic mean | 41.1111 | 37.0000 |
| 95% CI for the mean | 28.6962 to 53.5260 | 29.9214 to 44.0786 |
| Variance | 260.8611 | 32.5000 |
| Standard deviation | 16.1512 | 5.7009 |
| Standard error of the mean | 5.3837 | 2.5495 |

|  |  |
| --- | --- |
| F-test for equal variances | P = 0.061 |

## T-test (assuming equal variances)

|  |  |
| --- | --- |
| Difference | -4.1111 |
| Standard Error | 7.5812 |
| 95% CI of difference | -20.6292 to 12.4069 |
| Test statistic t | -0.542 |
| Degrees of Freedom (DF) | 12 |
| Two-tailed probability | P = 0.5976 |

Independent samples t-test

|  |
| --- |
| Sample 1 |
| Variable | SOFA (day of study) |
| Filter | No Reintubation |
| Sample 2 |
| Variable | SOFA (day of study) |
| Filter | Reintubation |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 9 | 5 |
| Arithmetic mean | 6.2222 | 4.6000 |
| 95% CI for the mean | 3.9885 to 8.4559 | 3.1843 to 6.0157 |
| Variance | 8.4444 | 1.3000 |
| Standard deviation | 2.9059 | 1.1402 |
| Standard error of the mean | 0.9686 | 0.5099 |

|  |  |
| --- | --- |
| F-test for equal variances | P = 0.088 |

## T-test (assuming equal variances)

|  |  |
| --- | --- |
| Difference | -1.6222 |
| Standard Error | 1.3734 |
| 95% CI of difference | -4.6146 to 1.3702 |
| Test statistic t | -1.181 |
| Degrees of Freedom (DF) | 12 |
| Two-tailed probability | P = 0.2604 |