General Linear Model: PO2 arterial (mmHg) versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |
| Rows unused | 6 |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 13 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24. 32. 48. 56 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 12 | 20296 | 1691,3 | 3,21 | 0,001 |
| Error | 59 | 31124 | 527,5 |  |  |
| Total | 71 | 51420 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 22,9679 | 39,47% | 27,16% | 12,52% |



Comparisons for PO2 arterial (mmHg)

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | 45,8 | 13,3 | (7,7. 83,8) | 3,45 | 0,010 |
| 2 - 0 | 51,1 | 13,3 | (13,1. 89,2) | 3,85 | 0,003 |
| 3 - 0 | 55,9 | 13,3 | (17,8. 93,9) | 4,21 | 0,001 |
| 4 - 0 | 57,9 | 13,3 | (19,8. 95,9) | 4,36 | 0,001 |
| 5 - 0 | 58,5 | 13,3 | (20,4. 96,5) | 4,41 | 0,000 |
| 6 - 0 | 60,0 | 13,3 | (22,0. 98,1) | 4,53 | 0,000 |
| 7 - 0 | 56,7 | 13,3 | (18,6. 94,7) | 4,27 | 0,001 |
| 8 - 0 | 53,8 | 13,3 | (15,7. 91,8) | 4,06 | 0,002 |
| 24 - 0 | 28,7 | 13,3 | (-9,4. 66,7) | 2,16 | 0,240 |
| 32 - 0 | 43,0 | 14,8 | (0,5. 85,6) | 2,90 | 0,046 |
| 48 - 0 | 39,1 | 14,8 | (-3,4. 81,7) | 2,64 | 0,087 |
| 56 - 0 | 31,3 | 14,8 | (-11,3. 73,8) | 2,11 | 0,265 |

*Individual confidence level = 99,43%*

General Linear Model: PO2 change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |
| Rows unused | 7 |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 13 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24. 32. 48. 56 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 12 | 11489 | 957,4 | 2,79 | 0,005 |
| Error | 58 | 19894 | 343,0 |  |  |
| Total | 70 | 31383 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 18,5203 | 36,61% | 23,49% | 8,15% |



Comparisons for PO2 change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | 21,2 | 10,7 | (-9,5. 52,0) | 1,99 | 0,333 |
| 2 - 0 | 18,1 | 10,7 | (-12,6. 48,8) | 1,69 | 0,525 |
| 3 - 0 | 27,3 | 10,7 | (-3,4. 58,0) | 2,55 | 0,107 |
| 4 - 0 | 13,2 | 10,7 | (-17,5. 43,9) | 1,24 | 0,849 |
| 5 - 0 | 3,6 | 10,7 | (-27,2. 34,3) | 0,33 | 1,000 |
| 6 - 0 | 4,3 | 10,7 | (-26,4. 35,0) | 0,40 | 1,000 |
| 7 - 0 | -9,4 | 10,7 | (-40,1. 21,4) | -0,88 | 0,981 |
| 8 - 0 | -0,2 | 10,7 | (-30,9. 30,5) | -0,02 | 1,000 |
| 24 - 0 | -5,0 | 10,7 | (-35,7. 25,7) | -0,47 | 1,000 |
| 32 - 0 | -16,1 | 12,0 | (-50,4. 18,3) | -1,34 | 0,781 |
| 48 - 0 | -11,6 | 12,0 | (-46,0. 22,7) | -0,97 | 0,961 |
| 56 - 0 | -7,6 | 13,1 | (-45,2. 30,1) | -0,58 | 0,999 |

*Individual confidence level = 99,43%*

General Linear Model: PO2 per Change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |
| Rows unused | 7 |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 13 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24. 32. 48. 56 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 12 | 6126 | 510,5 | 2,42 | 0,013 |
| Error | 58 | 12246 | 211,1 |  |  |
| Total | 70 | 18372 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 14,5309 | 33,34% | 19,55% | 3,66% |



Comparisons for PO2 per Change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | 12,01 | 8,39 | (-12,09. 36,11) | 1,43 | 0,719 |
| 2 - 0 | 9,49 | 8,39 | (-14,61. 33,60) | 1,13 | 0,904 |
| 3 - 0 | 14,92 | 8,39 | (-9,18. 39,02) | 1,78 | 0,465 |
| 4 - 0 | 2,50 | 8,39 | (-21,60. 26,61) | 0,30 | 1,000 |
| 5 - 0 | -4,56 | 8,39 | (-28,66. 19,54) | -0,54 | 1,000 |
| 6 - 0 | -2,92 | 8,39 | (-27,02. 21,18) | -0,35 | 1,000 |
| 7 - 0 | -12,54 | 8,39 | (-36,64. 11,56) | -1,49 | 0,673 |
| 8 - 0 | -6,82 | 8,39 | (-30,93. 17,28) | -0,81 | 0,989 |
| 24 - 0 | -3,57 | 8,39 | (-27,68. 20,53) | -0,43 | 1,000 |
| 32 - 0 | -15,95 | 9,38 | (-42,90. 10,99) | -1,70 | 0,520 |
| 48 - 0 | -13,03 | 9,38 | (-39,97. 13,92) | -1,39 | 0,750 |
| 56 - 0 | -10,0 | 10,3 | (-39,5. 19,5) | -0,97 | 0,961 |

*Individual confidence level = 99,43%*

General Linear Model: PCO2 arterial (mmHg) versus ... e point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |
| Rows unused | 34 |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 13 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24. 32. 48. 56 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 12 | 11401 | 950,08 | 11,09 | 0,000 |
| Error | 31 | 2655 | 85,65 |  |  |
| Total | 43 | 14056 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 9,25490 | 81,11% | 73,80% | \* |



Comparisons for PCO2 arterial (mmHg)

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | -12,75 | 6,54 | (-32,21. 6,71) | -1,95 | 0,382 |
| 2 - 0 | -22,35 | 6,54 | (-41,81. -2,89) | -3,42 | 0,017 |
| 3 - 0 | -26,50 | 6,54 | (-45,96. -7,04) | -4,05 | 0,003 |
| 4 - 0 | -33,77 | 6,54 | (-53,23. -14,32) | -5,16 | 0,000 |
| 5 - 0 | -35,00 | 6,54 | (-54,46. -15,54) | -5,35 | 0,000 |
| 6 - 0 | -38,32 | 6,54 | (-57,78. -18,87) | -5,86 | 0,000 |
| 7 - 0 | -41,40 | 6,54 | (-60,86. -21,94) | -6,33 | 0,000 |
| 8 - 0 | -44,75 | 6,54 | (-64,21. -25,29) | -6,84 | 0,000 |
| 24 - 0 | -47,00 | 6,54 | (-66,46. -27,54) | -7,18 | 0,000 |
| 32 - 0 | -60,05 | 8,01 | (-83,88. -36,22) | -7,49 | 0,000 |
| 48 - 0 | -61,5 | 10,3 | (-92,3. -30,7) | -5,94 | 0,000 |
| 56 - 0 | -60,5 | 10,3 | (-91,3. -29,7) | -5,85 | 0,000 |

*Individual confidence level = 99,43%*

General Linear Model: PCO2 change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |
| Rows unused | 34 |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 13 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24. 32. 48. 56 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 12 | 82,17 | 6,848 | 0,97 | 0,494 |
| Error | 31 | 218,18 | 7,038 |  |  |
| Total | 43 | 300,35 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 2,65294 | 27,36% | 0,00% | \* |



Comparisons for PCO2 change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | 4,52 | 1,88 | (-1,05. 10,10) | 2,41 | 0,167 |
| 2 - 0 | 2,20 | 1,88 | (-3,38. 7,78) | 1,17 | 0,891 |
| 3 - 0 | 2,95 | 1,88 | (-2,63. 8,53) | 1,57 | 0,638 |
| 4 - 0 | 1,90 | 1,88 | (-3,68. 7,48) | 1,01 | 0,953 |
| 5 - 0 | 4,63 | 1,88 | (-0,95. 10,20) | 2,47 | 0,151 |
| 6 - 0 | 4,40 | 1,88 | (-1,18. 9,98) | 2,35 | 0,191 |
| 7 - 0 | 4,37 | 1,88 | (-1,20. 9,95) | 2,33 | 0,195 |
| 8 - 0 | 3,47 | 1,88 | (-2,10. 9,05) | 1,85 | 0,442 |
| 24 - 0 | 3,60 | 1,88 | (-1,98. 9,18) | 1,92 | 0,400 |
| 32 - 0 | 2,55 | 2,30 | (-4,28. 9,38) | 1,11 | 0,919 |
| 48 - 0 | 4,15 | 2,97 | (-4,67. 12,97) | 1,40 | 0,759 |
| 56 - 0 | 4,25 | 2,97 | (-4,57. 13,07) | 1,43 | 0,737 |

*Individual confidence level = 99,43%*

General Linear Model: PCO2 per Change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |
| Rows unused | 34 |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 13 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24. 32. 48. 56 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 12 | 351,9 | 29,32 | 0,89 | 0,566 |
| Error | 31 | 1022,0 | 32,97 |  |  |
| Total | 43 | 1373,9 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 5,74172 | 25,61% | 0,00% | \* |



Comparisons for PCO2 per Change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | 5,31 | 4,06 | (-6,76. 17,38) | 1,31 | 0,818 |
| 2 - 0 | 2,00 | 4,06 | (-10,07. 14,08) | 0,49 | 1,000 |
| 3 - 0 | 3,16 | 4,06 | (-8,91. 15,23) | 0,78 | 0,993 |
| 4 - 0 | -0,53 | 4,06 | (-12,60. 11,54) | -0,13 | 1,000 |
| 5 - 0 | 6,19 | 4,06 | (-5,88. 18,26) | 1,53 | 0,672 |
| 6 - 0 | 5,47 | 4,06 | (-6,60. 17,54) | 1,35 | 0,793 |
| 7 - 0 | 6,22 | 4,06 | (-5,85. 18,29) | 1,53 | 0,666 |
| 8 - 0 | 2,69 | 4,06 | (-9,38. 14,76) | 0,66 | 0,998 |
| 24 - 0 | 1,97 | 4,06 | (-10,11. 14,04) | 0,48 | 1,000 |
| 32 - 0 | -4,17 | 4,97 | (-18,95. 10,62) | -0,84 | 0,987 |
| 48 - 0 | 6,37 | 6,42 | (-12,72. 25,46) | 0,99 | 0,958 |
| 56 - 0 | 6,93 | 6,42 | (-12,16. 26,01) | 1,08 | 0,931 |

*Individual confidence level = 99,43%*

General Linear Model: PO2 arterial (mmHg) versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 5 | 0,00. 0,25. 0,50. 0,75. 1,00 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 4 | 1326915 | 331729 | 47,93 | 0,000 |
| Error | 25 | 173021 | 6921 |  |  |
| Total | 29 | 1499936 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 83,1916 | 88,46% | 86,62% | 83,39% |



Comparisons for PO2 arterial (mmHg)

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 0,25 - 0,00 | 513,4 | 48,0 | (388,2. 638,6) | 10,69 | 0,000 |
| 0,50 - 0,00 | 510,0 | 48,0 | (384,8. 635,2) | 10,62 | 0,000 |
| 0,75 - 0,00 | 526,9 | 48,0 | (401,7. 652,1) | 10,97 | 0,000 |
| 1,00 - 0,00 | 548,4 | 48,0 | (423,2. 673,6) | 11,42 | 0,000 |

*Individual confidence level = 98,48%*

General Linear Model: PO2 change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 5 | 0,00. 0,25. 0,50. 0,75. 1,00 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 4 | 505877 | 126469 | 12,31 | 0,000 |
| Error | 25 | 256745 | 10270 |  |  |
| Total | 29 | 762622 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 101,340 | 66,33% | 60,95% | 51,52% |



Comparisons for PO2 change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 0,25 - 0,00 | 405,3 | 58,5 | (252,7. 557,8) | 6,93 | 0,000 |
| 0,50 - 0,00 | 178,3 | 58,5 | (25,7. 330,8) | 3,05 | 0,019 |
| 0,75 - 0,00 | 149,5 | 58,5 | (-3,0. 302,0) | 2,56 | 0,056 |
| 1,00 - 0,00 | 164,6 | 58,5 | (12,1. 317,1) | 2,81 | 0,032 |

*Individual confidence level = 98,48%*

General Linear Model: PO2 per Change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 5 | 0,00. 0,25. 0,50. 0,75. 1,00 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 4 | 530411 | 132603 | 7,51 | 0,000 |
| Error | 25 | 441665 | 17667 |  |  |
| Total | 29 | 972076 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 132,916 | 54,56% | 47,30% | 34,57% |



Comparisons for PO2 per Change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 0,25 - 0,00 | 306,6 | 76,7 | (106,6. 506,7) | 4,00 | 0,002 |
| 0,50 - 0,00 | -20,4 | 76,7 | (-220,5. 179,7) | -0,27 | 0,996 |
| 0,75 - 0,00 | -39,6 | 76,7 | (-239,7. 160,5) | -0,52 | 0,959 |
| 1,00 - 0,00 | -35,8 | 76,7 | (-235,9. 164,2) | -0,47 | 0,971 |

*Individual confidence level = 98,48%*

General Linear Model: PCO2 arterial (mmHg) versus ... e point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 5 | 0,00. 0,25. 0,50. 0,75. 1,00 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 4 | 27746 | 6936,5 | 59,66 | 0,000 |
| Error | 25 | 2907 | 116,3 |  |  |
| Total | 29 | 30653 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 10,7826 | 90,52% | 89,00% | 86,35% |



Comparisons for PCO2 arterial (mmHg)

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 0,25 - 0,00 | -66,77 | 6,23 | (-83,00. -50,54) | -10,73 | 0,000 |
| 0,50 - 0,00 | -76,05 | 6,23 | (-92,28. -59,82) | -12,22 | 0,000 |
| 0,75 - 0,00 | -78,28 | 6,23 | (-94,51. -62,05) | -12,57 | 0,000 |
| 1,00 - 0,00 | -79,67 | 6,23 | (-95,90. -63,44) | -12,80 | 0,000 |

*Individual confidence level = 98,48%*

General Linear Model: PCO2 change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 5 | 0,00. 0,25. 0,50. 0,75. 1,00 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 4 | 6405 | 1601,2 | 10,30 | 0,000 |
| Error | 25 | 3887 | 155,5 |  |  |
| Total | 29 | 10291 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 12,4689 | 62,23% | 56,19% | 45,61% |



Comparisons for PCO2 change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 0,25 - 0,00 | -36,12 | 7,20 | (-54,88. -17,35) | -5,02 | 0,000 |
| 0,50 - 0,00 | -6,32 | 7,20 | (-25,08. 12,45) | -0,88 | 0,793 |
| 0,75 - 0,00 | 1,28 | 7,20 | (-17,48. 20,05) | 0,18 | 0,999 |
| 1,00 - 0,00 | 3,17 | 7,20 | (-15,60. 21,93) | 0,44 | 0,977 |

*Individual confidence level = 98,48%*

General Linear Model: PCO2 per Change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 5 | 0,00. 0,25. 0,50. 0,75. 1,00 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 4 | 12405 | 3101,4 | 18,91 | 0,000 |
| Error | 25 | 4101 | 164,0 |  |  |
| Total | 29 | 16507 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 12,8081 | 75,15% | 71,18% | 64,22% |



Comparisons for PCO2 per Change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 0,25 - 0,00 | -57,34 | 7,39 | (-76,62. -38,06) | -7,75 | 0,000 |
| 0,50 - 0,00 | -47,67 | 7,39 | (-66,95. -28,39) | -6,45 | 0,000 |
| 0,75 - 0,00 | -29,20 | 7,39 | (-48,48. -9,92) | -3,95 | 0,002 |
| 1,00 - 0,00 | -19,51 | 7,39 | (-38,79. -0,23) | -2,64 | 0,047 |

*Individual confidence level = 98,48%*

General Linear Model: PO2 arterial (mmHg) versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 10 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 9 | 1476360 | 164040 | 35,13 | 0,000 |
| Error | 50 | 233495 | 4670 |  |  |
| Total | 59 | 1709855 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 68,3366 | 86,34% | 83,89% | 80,34% |



Comparisons for PO2 arterial (mmHg)

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | 548,4 | 39,5 | (438,5. 658,3) | 13,90 | 0,000 |
| 2 - 0 | 470,0 | 39,5 | (360,1. 579,9) | 11,91 | 0,000 |
| 3 - 0 | 520,7 | 39,5 | (410,7. 630,6) | 13,20 | 0,000 |
| 4 - 0 | 500,9 | 39,5 | (391,0. 610,8) | 12,70 | 0,000 |
| 5 - 0 | 512,2 | 39,5 | (402,3. 622,1) | 12,98 | 0,000 |
| 6 - 0 | 527,1 | 39,5 | (417,2. 637,0) | 13,36 | 0,000 |
| 7 - 0 | 559,5 | 39,5 | (449,6. 669,4) | 14,18 | 0,000 |
| 8 - 0 | 523,0 | 39,5 | (413,1. 632,9) | 13,26 | 0,000 |
| 24 - 0 | 475,5 | 39,5 | (365,6. 585,4) | 12,05 | 0,000 |

*Individual confidence level = 99,25%*

General Linear Model: PO2 change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 10 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 9 | 115510 | 12834 | 1,58 | 0,147 |
| Error | 50 | 405801 | 8116 |  |  |
| Total | 59 | 521311 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 90,0890 | 22,16% | 8,15% | 0,00% |



Comparisons for PO2 change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | 164,6 | 52,0 | (19,7. 309,5) | 3,16 | 0,019 |
| 2 - 0 | 88,5 | 52,0 | (-56,4. 233,4) | 1,70 | 0,437 |
| 3 - 0 | 110,4 | 52,0 | (-34,5. 255,3) | 2,12 | 0,213 |
| 4 - 0 | 147,0 | 52,0 | (2,1. 291,9) | 2,83 | 0,045 |
| 5 - 0 | 84,8 | 52,0 | (-60,1. 229,7) | 1,63 | 0,485 |
| 6 - 0 | 79,1 | 52,0 | (-65,8. 224,0) | 1,52 | 0,563 |
| 7 - 0 | 112,4 | 52,0 | (-32,5. 257,3) | 2,16 | 0,198 |
| 8 - 0 | 54,2 | 52,0 | (-90,7. 199,1) | 1,04 | 0,885 |
| 24 - 0 | 83,0 | 52,0 | (-61,9. 227,9) | 1,60 | 0,508 |

*Individual confidence level = 99,25%*

General Linear Model: PO2 per Change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 10 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 9 | 23017 | 2557,5 | 2,70 | 0,012 |
| Error | 50 | 47385 | 947,7 |  |  |
| Total | 59 | 70402 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 30,7847 | 32,69% | 20,58% | 3,08% |



Comparisons for PO2 per Change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | -35,8 | 17,8 | (-85,4. 13,7) | -2,02 | 0,259 |
| 2 - 0 | -58,8 | 17,8 | (-108,3. -9,2) | -3,31 | 0,013 |
| 3 - 0 | -55,2 | 17,8 | (-104,7. -5,7) | -3,11 | 0,022 |
| 4 - 0 | -39,2 | 17,8 | (-88,7. 10,3) | -2,21 | 0,181 |
| 5 - 0 | -59,0 | 17,8 | (-108,5. -9,5) | -3,32 | 0,012 |
| 6 - 0 | -65,0 | 17,8 | (-114,5. -15,5) | -3,66 | 0,005 |
| 7 - 0 | -56,6 | 17,8 | (-106,2. -7,1) | -3,19 | 0,018 |
| 8 - 0 | -70,5 | 17,8 | (-120,0. -21,0) | -3,97 | 0,002 |
| 24 - 0 | -62,1 | 17,8 | (-111,6. -12,6) | -3,49 | 0,008 |

*Individual confidence level = 99,25%*

General Linear Model: PCO2 arterial (mmHg) versus ... e point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 10 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 9 | 35474 | 3941,53 | 74,28 | 0,000 |
| Error | 50 | 2653 | 53,06 |  |  |
| Total | 59 | 38127 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 7,28440 | 93,04% | 91,79% | 89,98% |



Comparisons for PCO2 arterial (mmHg)

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | -79,67 | 4,21 | (-91,38. -67,95) | -18,94 | 0,000 |
| 2 - 0 | -81,05 | 4,21 | (-92,77. -69,33) | -19,27 | 0,000 |
| 3 - 0 | -81,18 | 4,21 | (-92,90. -69,47) | -19,30 | 0,000 |
| 4 - 0 | -81,50 | 4,21 | (-93,22. -69,78) | -19,38 | 0,000 |
| 5 - 0 | -81,43 | 4,21 | (-93,15. -69,72) | -19,36 | 0,000 |
| 6 - 0 | -81,43 | 4,21 | (-93,15. -69,72) | -19,36 | 0,000 |
| 7 - 0 | -81,15 | 4,21 | (-92,87. -69,43) | -19,30 | 0,000 |
| 8 - 0 | -81,35 | 4,21 | (-93,07. -69,63) | -19,34 | 0,000 |
| 24 - 0 | -80,52 | 4,21 | (-92,23. -68,80) | -19,14 | 0,000 |

*Individual confidence level = 99,25%*

General Linear Model: PCO2 change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 10 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 9 | 198,0 | 21,997 | 4,62 | 0,000 |
| Error | 50 | 238,0 | 4,760 |  |  |
| Total | 59 | 436,0 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 2,18174 | 45,41% | 35,58% | 21,39% |



Comparisons for PCO2 change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | 3,17 | 1,26 | (-0,34. 6,68) | 2,51 | 0,094 |
| 2 - 0 | 5,78 | 1,26 | (2,27. 9,29) | 4,59 | 0,000 |
| 3 - 0 | 5,33 | 1,26 | (1,82. 8,84) | 4,23 | 0,001 |
| 4 - 0 | 5,07 | 1,26 | (1,56. 8,58) | 4,02 | 0,002 |
| 5 - 0 | 5,27 | 1,26 | (1,76. 8,78) | 4,18 | 0,001 |
| 6 - 0 | 5,78 | 1,26 | (2,27. 9,29) | 4,59 | 0,000 |
| 7 - 0 | 6,05 | 1,26 | (2,54. 9,56) | 4,80 | 0,000 |
| 8 - 0 | 6,12 | 1,26 | (2,61. 9,63) | 4,86 | 0,000 |
| 24 - 0 | 6,03 | 1,26 | (2,52. 9,54) | 4,79 | 0,000 |

*Individual confidence level = 99,25%*

General Linear Model: PCO2 per Change versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 10 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 9 | 2874 | 319,4 | 2,19 | 0,038 |
| Error | 50 | 7282 | 145,6 |  |  |
| Total | 59 | 10156 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 12,0683 | 28,30% | 15,39% | 0,00% |



Comparisons for PCO2 per Change

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | -19,51 | 6,97 | (-38,92. -0,10) | -2,80 | 0,048 |
| 2 - 0 | -0,02 | 6,97 | (-19,44. 19,39) | -0,00 | 1,000 |
| 3 - 0 | -6,50 | 6,97 | (-25,92. 12,91) | -0,93 | 0,932 |
| 4 - 0 | -9,34 | 6,97 | (-28,75. 10,08) | -1,34 | 0,695 |
| 5 - 0 | -6,32 | 6,97 | (-25,73. 13,10) | -0,91 | 0,942 |
| 6 - 0 | -1,11 | 6,97 | (-20,53. 18,30) | -0,16 | 1,000 |
| 7 - 0 | 2,85 | 6,97 | (-16,56. 22,26) | 0,41 | 1,000 |
| 8 - 0 | 4,44 | 6,97 | (-14,98. 23,85) | 0,64 | 0,993 |
| 24 - 0 | 2,73 | 6,97 | (-16,68. 22,14) | 0,39 | 1,000 |

*Individual confidence level = 99,25%*

Descriptive Statistics: PO2 arterial (mmHg). PO2 change. ... er Change

Statistics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Time point (hours) | Q1 | Median | Q3 |
| PO2 arterial (mmHg) | 0 | 126,5 | 154,1 | 171,3 |
|  | 1 | 182,50 | 191,95 | 210,70 |
|  | 2 | 180,97 | 201,75 | 215,27 |
|  | 3 | 188,78 | 205,40 | 218,63 |
|  | 4 | 180,9 | 211,1 | 226,8 |
|  | 5 | 182,57 | 214,35 | 225,67 |
|  | 6 | 180,0 | 217,6 | 229,6 |
|  | 7 | 173,8 | 214,8 | 225,9 |
|  | 8 | 169,5 | 212,1 | 226,2 |
|  | 24 | 142,6 | 196,4 | 201,5 |
|  | 32 | 186,48 | 187,85 | 202,35 |
|  | 48 | 183,07 | 190,55 | 191,35 |
|  | 56 | 176,02 | 178,50 | 186,90 |
|  |  |  |  |  |
| PO2 change | 0 | 20,57 | 22,95 | 32,43 |
|  | 1 | 25,93 | 54,40 | 63,80 |
|  | 2 | 25,3 | 41,0 | 60,3 |
|  | 3 | 26,2 | 61,4 | 72,8 |
|  | 4 | 20,20 | 34,20 | 62,35 |
|  | 5 | 18,75 | 22,35 | 43,80 |
|  | 6 | 14,0 | 19,9 | 42,4 |
|  | 7 | 11,52 | 14,25 | 19,02 |
|  | 8 | 11,47 | 19,00 | 42,10 |
|  | 24 | 8,02 | 15,80 | 36,13 |
|  | 32 | 3,22 | 9,05 | 15,70 |
|  | 48 | 6,40 | 14,20 | 20,65 |
|  | 56 | 9,90 | 21,70 | 21,90 |
|  |  |  |  |  |
| PO2 per Change | 0 | 16,08 | 20,02 | 25,87 |
|  | 1 | 15,51 | 37,92 | 45,23 |
|  | 2 | 15,3 | 24,2 | 45,6 |
|  | 3 | 16,66 | 40,16 | 52,78 |
|  | 4 | 10,41 | 21,03 | 38,84 |
|  | 5 | 10,66 | 13,12 | 23,82 |
|  | 6 | 8,20 | 11,14 | 24,78 |
|  | 7 | 5,79 | 7,88 | 10,98 |
|  | 8 | 7,22 | 10,57 | 22,68 |
|  | 24 | 4,35 | 8,57 | 39,08 |
|  | 32 | 1,79 | 5,10 | 8,38 |
|  | 48 | 3,60 | 8,27 | 12,18 |
|  | 56 | 5,91 | 13,08 | 14,10 |
|  |  |  |  |  |
| PCO2 arterial (mmHg) | 0 | 62,13 | 73,85 | 89,92 |
|  | 1 | 51,37 | 62,35 | 73,93 |
|  | 2 | 45,55 | 52,20 | 61,10 |
|  | 3 | 40,97 | 46,00 | 59,42 |
|  | 4 | 34,95 | 40,55 | 49,08 |
|  | 5 | 34,08 | 40,20 | 46,63 |
|  | 6 | 30,13 | 36,45 | 44,35 |
|  | 7 | 28,95 | 33,90 | 38,85 |
|  | 8 | 25,52 | 29,90 | 36,23 |
|  | 24 | 18,32 | 27,35 | 39,22 |
|  | 32 | \* | 15,25 | \* |
|  | 48 | \* | 13,800 | \* |
|  | 56 | \* | 14,800 | \* |
|  |  |  |  |  |
| PCO2 change | 0 | -9,13 | -2,35 | -0,07 |
|  | 1 | -0,575 | -0,050 | 2,650 |
|  | 2 | -5,15 | -1,15 | 1,35 |
|  | 3 | -3,13 | -2,00 | 2,42 |
|  | 4 | -2,450 | -1,850 | -1,550 |
|  | 5 | -0,375 | 0,700 | 2,000 |
|  | 6 | -2,67 | 0,75 | 3,58 |
|  | 7 | -1,125 | 0,700 | 2,000 |
|  | 8 | -1,225 | -0,600 | 0,700 |
|  | 24 | -1,70 | -1,00 | 1,95 |
|  | 32 | \* | -1,30 | \* |
|  | 48 | \* | 0,30000 | \* |
|  | 56 | \* | 0,40000 | \* |
|  |  |  |  |  |
| PCO2 per Change | 0 | -9,29 | -3,25 | 0,09 |
|  | 1 | -0,78 | -0,12 | 4,37 |
|  | 2 | -7,58 | -2,09 | 3,24 |
|  | 3 | -6,23 | -3,86 | 7,12 |
|  | 4 | -6,619 | -4,148 | -3,264 |
|  | 5 | -0,90 | 1,83 | 5,20 |
|  | 6 | -7,38 | 1,59 | 9,76 |
|  | 7 | -3,36 | 1,92 | 7,66 |
|  | 8 | -3,95 | -2,24 | 1,81 |
|  | 24 | -8,21 | -3,20 | 4,86 |
|  | 32 | \* | -8,31 | \* |
|  | 48 | \* | 2,2222 | \* |
|  | 56 | \* | 2,7778 | \* |

Descriptive Statistics: PO2 arterial (mmHg). PO2 change. ... er Change

Statistics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Time point (hours) | Q1 | Median | Q3 |
| PO2 arterial (mmHg) | 0,00 | 91,6 | 114,3 | 142,8 |
|  | 0,25 | 607,2 | 650,0 | 658,0 |
|  | 0,50 | 565,5 | 628,0 | 695,0 |
|  | 0,75 | 613,2 | 645,4 | 680,9 |
|  | 1,00 | 569,9 | 599,0 | 768,3 |
|  | 2,00 | 520,7 | 594,6 | 654,9 |
|  | 3,00 | 626,18 | 639,35 | 654,42 |
|  | 4,00 | 554,8 | 623,5 | 700,0 |
|  | 5,00 | 597,9 | 624,3 | 678,6 |
|  | 6,00 | 616,2 | 639,7 | 680,3 |
|  | 7,00 | 655,7 | 693,5 | 700,0 |
|  | 8,00 | 601,4 | 650,4 | 681,5 |
|  | 24,00 | 575,15 | 590,40 | 611,52 |
|  |  |  |  |  |
| PO2 change | 0,00 | 31,9 | 53,6 | 82,9 |
|  | 0,25 | 318,9 | 505,2 | 568,2 |
|  | 0,50 | 183,6 | 216,2 | 293,9 |
|  | 0,75 | 138,3 | 203,5 | 258,4 |
|  | 1,00 | 102,7 | 168,0 | 383,2 |
|  | 2,00 | 97,4 | 148,1 | 196,0 |
|  | 3,00 | 88,9 | 183,4 | 223,8 |
|  | 4,00 | 106,2 | 223,3 | 296,1 |
|  | 5,00 | 73,1 | 123,8 | 250,4 |
|  | 6,00 | 98,8 | 155,8 | 182,8 |
|  | 7,00 | 96,8 | 185,6 | 240,0 |
|  | 8,00 | 38,4 | 118,3 | 186,0 |
|  | 24,00 | 98,9 | 132,4 | 195,7 |
|  |  |  |  |  |
| PO2 per Change | 0,00 | 50,1 | 90,9 | 139,3 |
|  | 0,25 | 128 | 373 | 671 |
|  | 0,50 | 38,6 | 55,1 | 101,7 |
|  | 0,75 | 27,5 | 48,1 | 69,6 |
|  | 1,00 | 22,8 | 34,8 | 101,0 |
|  | 2,00 | 21,55 | 30,11 | 55,67 |
|  | 3,00 | 15,89 | 41,06 | 56,48 |
|  | 4,00 | 24,2 | 61,5 | 75,4 |
|  | 5,00 | 13,2 | 27,3 | 68,1 |
|  | 6,00 | 20,25 | 31,99 | 40,93 |
|  | 7,00 | 19,7 | 37,3 | 53,9 |
|  | 8,00 | 6,54 | 24,07 | 41,99 |
|  | 24,00 | 20,15 | 29,98 | 48,05 |
|  |  |  |  |  |
| PCO2 arterial (mmHg) | 0,00 | 73,20 | 77,60 | 99,68 |
|  | 0,25 | 15,50 | 19,75 | 24,50 |
|  | 0,50 | 8,25 | 10,60 | 13,15 |
|  | 0,75 | 6,63 | 7,60 | 10,77 |
|  | 1,00 | 6,475 | 7,150 | 8,025 |
|  | 2,00 | 5,475 | 5,700 | 6,325 |
|  | 3,00 | 5,450 | 5,750 | 6,025 |
|  | 4,00 | 5,000 | 5,300 | 6,025 |
|  | 5,00 | 5,000 | 5,450 | 6,000 |
|  | 6,00 | 5,000 | 5,350 | 6,150 |
|  | 7,00 | 5,000 | 5,450 | 6,675 |
|  | 8,00 | 5,000 | 5,350 | 6,125 |
|  | 24,00 | 5,675 | 6,750 | 7,000 |
|  |  |  |  |  |
| PCO2 change | 0,00 | -11,15 | -6,70 | -1,30 |
|  | 0,25 | -64,4 | -38,8 | -18,8 |
|  | 0,50 | -14,75 | -12,10 | -10,48 |
|  | 0,75 | -7,025 | -4,550 | -3,375 |
|  | 1,00 | -5,80 | -2,45 | -1,23 |
|  | 2,00 | -1,275 | -0,250 | 0,375 |
|  | 3,00 | -1,500 | -0,900 | -0,350 |
|  | 4,00 | -2,450 | -0,900 | -0,150 |
|  | 5,00 | -2,325 | -0,700 | 0,125 |
|  | 6,00 | -0,850 | -0,400 | 0,025 |
|  | 7,00 | -0,425 | -0,200 | 0,100 |
|  | 8,00 | -0,475 | -0,200 | 0,200 |
|  | 24,00 | -0,425 | -0,300 | -0,025 |
|  |  |  |  |  |
| PCO2 per Change | 0,00 | -9,76 | -7,97 | -1,60 |
|  | 0,25 | -75,91 | -61,03 | -51,46 |
|  | 0,50 | -60,92 | -52,66 | -47,24 |
|  | 0,75 | -40,38 | -35,90 | -29,23 |
|  | 1,00 | -41,69 | -25,52 | -14,00 |
|  | 2,00 | -18,66 | -4,01 | 6,89 |
|  | 3,00 | -20,75 | -13,19 | -5,18 |
|  | 4,00 | -28,90 | -14,64 | -2,59 |
|  | 5,00 | -28,93 | -11,88 | 2,31 |
|  | 6,00 | -13,00 | -7,21 | 0,40 |
|  | 7,00 | -7,11 | -2,94 | 1,51 |
|  | 8,00 | -6,97 | -3,68 | 4,00 |
|  | 24,00 | -6,20 | -4,93 | -0,27 |

Interval Plot of tHb arterial (g/dL)



Interval Plot of tHb arterial (g/dL)



General Linear Model: tHb arterial (g/dL) versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |
| Rows unused | 6 |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 13 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24. 32. 48. 56 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 12 | 3,071 | 0,2560 | 0,16 | 0,999 |
| Error | 59 | 92,021 | 1,5597 |  |  |
| Total | 71 | 95,093 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 1,24887 | 3,23% | 0,00% | 0,00% |



Comparisons for tHb arterial (g/dL)

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | -0,117 | 0,721 | (-2,185. 1,952) | -0,16 | 1,000 |
| 2 - 0 | 0,003 | 0,756 | (-2,166. 2,173) | 0,00 | 1,000 |
| 3 - 0 | 0,183 | 0,756 | (-1,986. 2,353) | 0,24 | 1,000 |
| 4 - 0 | 0,083 | 0,721 | (-1,985. 2,152) | 0,12 | 1,000 |
| 5 - 0 | -0,083 | 0,721 | (-2,152. 1,985) | -0,12 | 1,000 |
| 6 - 0 | 0,017 | 0,721 | (-2,052. 2,085) | 0,02 | 1,000 |
| 7 - 0 | -0,100 | 0,721 | (-2,168. 1,968) | -0,14 | 1,000 |
| 8 - 0 | -0,383 | 0,721 | (-2,452. 1,685) | -0,53 | 1,000 |
| 24 - 0 | -0,233 | 0,721 | (-2,302. 1,835) | -0,32 | 1,000 |
| 32 - 0 | -0,583 | 0,721 | (-2,652. 1,485) | -0,81 | 0,989 |
| 48 - 0 | -0,042 | 0,806 | (-2,354. 2,271) | -0,05 | 1,000 |
| 56 - 0 | 0,158 | 0,806 | (-2,154. 2,471) | 0,20 | 1,000 |

*Individual confidence level = 99,43%*

General Linear Model: tHb arterial (g/dL) versus Time point (hours)

Method

|  |  |
| --- | --- |
| Factor coding | (-1. 0. +1) |

Factor Information

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Type | Levels | Values |
| Time point (hours) | Fixed | 10 | 0. 1. 2. 3. 4. 5. 6. 7. 8. 24 |

Analysis of Variance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | DF | Adj SS | Adj MS | F-Value | P-Value |
| Time point (hours) | 9 | 15,83 | 1,759 | 0,35 | 0,955 |
| Error | 50 | 254,91 | 5,098 |  |  |
| Total | 59 | 270,75 |  |  |  |

Model Summary

|  |  |  |  |
| --- | --- | --- | --- |
| S | R-sq | R-sq(adj) | R-sq(pred) |
| 2,25794 | 5,85% | 0,00% | 0,00% |



Comparisons for tHb arterial (g/dL)

Dunnett Multiple Comparisons with a Control: Time point (hours)

Dunnett Simultaneous Tests for Level Mean - Control Mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Difference of Time point (hours) Levels | Difference of Means | SE of Difference | Simultaneous 95% CI | T-Value | Adjusted P-Value |
| 1 - 0 | 0,20 | 1,30 | (-3,43. 3,83) | 0,15 | 1,000 |
| 2 - 0 | 0,30 | 1,30 | (-3,33. 3,93) | 0,23 | 1,000 |
| 3 - 0 | 0,50 | 1,30 | (-3,13. 4,13) | 0,38 | 1,000 |
| 4 - 0 | 1,05 | 1,30 | (-2,58. 4,68) | 0,81 | 0,970 |
| 5 - 0 | 1,42 | 1,30 | (-2,22. 5,05) | 1,09 | 0,861 |
| 6 - 0 | 1,37 | 1,30 | (-2,27. 5,00) | 1,05 | 0,881 |
| 7 - 0 | 1,18 | 1,30 | (-2,45. 4,82) | 0,91 | 0,942 |
| 8 - 0 | 0,95 | 1,30 | (-2,68. 4,58) | 0,73 | 0,984 |
| 24 - 0 | 1,42 | 1,30 | (-2,22. 5,05) | 1,09 | 0,861 |

*Individual confidence level = 99,25%*

Descriptive Statistics: tHb arterial (g/dL)

Statistics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Time point (hours) | Q1 | Median | Q3 |
| tHb arterial (g/dL) | 0 | 12,825 | 14,150 | 14,975 |
|  | 1 | 12,800 | 14,050 | 14,725 |
|  | 2 | 13,050 | 14,500 | 14,750 |
|  | 3 | 13,150 | 14,600 | 15,050 |
|  | 4 | 13,175 | 14,450 | 15,150 |
|  | 5 | 13,025 | 14,200 | 14,725 |
|  | 6 | 13,150 | 14,250 | 14,725 |
|  | 7 | 13,300 | 14,200 | 14,575 |
|  | 8 | 13,150 | 13,650 | 14,325 |
|  | 24 | 12,750 | 14,300 | 14,675 |
|  | 32 | 12,150 | 13,700 | 14,550 |
|  | 48 | 12,100 | 14,500 | 15,325 |
|  | 56 | 12,275 | 14,750 | 15,500 |

Descriptive Statistics: tHb arterial (g/dL)

Statistics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Time point (hours) | Q1 | Median | Q3 |
| tHb arterial (g/dL) | 0,00 | 11,875 | 13,500 | 16,225 |
|  | 0,25 | 11,875 | 13,250 | 15,475 |
|  | 0,50 | 11,80 | 13,60 | 16,55 |
|  | 0,75 | 11,850 | 14,000 | 16,400 |
|  | 1,00 | 11,60 | 13,80 | 16,65 |
|  | 2,00 | 11,975 | 13,950 | 16,550 |
|  | 3,00 | 12,150 | 14,850 | 15,775 |
|  | 4,00 | 12,275 | 15,350 | 17,225 |
|  | 5,00 | 12,625 | 15,900 | 17,450 |
|  | 6,00 | 12,800 | 15,450 | 17,425 |
|  | 7,00 | 12,425 | 15,250 | 17,375 |
|  | 8,00 | 12,325 | 15,350 | 16,725 |
|  | 24,00 | 12,550 | 15,700 | 17,625 |