Table format: **Grouped**		Group A							Group B						
		Veículo salina estéril							MCH						
		A:1	A:2	A:3	A:4	A:5	A:6	A:7	B:1	B:2	B:3	B:4	B:5	B:6	B:7
1	basal	8.763022	7.175844	8.258622	7.727030	6.654482	7.172781		8.223814						
2	10 min	8.738029	6.579358	7.647105	6.363115	7.017660	8.116756		8.720717						
3	20 min	12.588370	10.269000	12.474690	10.784950	9.300179	12.494640		10.886360						
4	30 min	11.934430	10.817080	12.493200	11.288770	9.607133	11.468440		11.501300						
5	40 min	13.437510	10.229040	12.538560	11.444290	9.508195	9.772557		13.821480						

Table format: **Grouped**		Group A							Group B				
		Veículo							MCH				
		A:1	A:2	A:3	A:4	A:5	A:6	A:7	B:1	B:2	B:3	B:4	B:5
1	basal	98.329090	95.648450	83.159420	107.162500	95.898570	117.698700		111.044500	100.767100	99.268360	101.806200	100.764400
2	10 min	89.808210	94.463830	81.404040	117.517300	100.262200	97.045200		107.689900	96.596670	103.207000	82.616360	89.276720
3	20 min	182.936100	153.249100	167.437400	179.195000	158.559500	155.165000		173.122500	166.613800	171.125000	133.859500	175.377300
4	30 min	174.656000	147.066500	168.377500	170.851500	165.172000	154.567500		166.232100	153.425300	159.949200	131.035000	157.714800
5	40 min	177.104500	148.153500	153.516000	171.915800	153.018800	161.714800		153.765800	150.981500	156.572100	124.771000	136.792500

	B:6	B:7
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4		
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Table format: **Grouped**		Group A							Group B			
		Veículo							MCH			
		A:1	A:2	A:3	A:4	A:5	A:6	A:7	B:1	B:2	B:3	B:4
1	basal	855.068100	682.731800	687.600400	831.170500	638.469200	844.286900		912.462400	797.851400	590.232600	647.363900
2	10 min	784.752500	620.673100	622.008400	747.776300	705.353700	787.692300		939.007100	654.105400	593.029500	490.904000
3	20 min	2303.743000	1572.596000	2089.061000	1932.609000	1474.722000	1938.730000		1884.708000	2019.282000	1740.721000	1547.646000
4	30 min	2084.420000	1591.801000	2104.277000	1928.703000	1587.008000	1772.502000		1904.919000	1814.861000	1619.425000	1432.449000
5	40 min	2377.014000	1514.802000	1924.869000	1968.220000	1451.898000	1579.073000		2125.376000	1683.994000	1555.555000	1383.662000

				Group C						
				Data Set-C						
	B:5	B:6	B:7	C:1	C:2	C:3	C:4	C:5	C:6	C:7
1	733.890200									
2	639.671900									
3	2332.208000									
4	1921.342000									
5	1907.655000									

Table format: **Grouped**		Group A							Group B						
		Veículo							MCH						
		A:1	A:2	A:3	A:4	A:5	A:6	A:7	B:1	B:2	B:3	B:4	B:5	B:6	B:7
1	basal	8.528666	6.962339	7.021685	8.236369	6.107589	6.538107		7.882834						
2	7%CO_2	11.861740	10.628630	11.294350	11.417890	9.495355	10.111680		12.776850						

Table format: **Grouped**		Group A						Group B					
		Vehicle						MCH					
		A:1	A:2	A:3	A:4	A:5	A:6	B:1	B:2	B:3	B:4	B:5	B:6
1	basal	81.823140	84.292080	82.282100	82.762110	91.87248	93.141950	94.498340					
2	7%CO_2	166.827100	142.118500	162.170700	160.235200	157.32450	146.499100	162.991700					

Table format: **Grouped**		Group A						Group B				
		Vehicle						MCH				
		A:1	A:2	A:3	A:4	A:5	A:6	B:1	B:2	B:3	B:4	B:5
1	basal	697.801200	586.720200	577.759000	680.889600	561.281300	609.584200	744.101000	659.670000	513.384100	508.400200	704.526100
2	7%CO_2	1978.782000	1510.234000	1831.760000	1829.643000	1492.388000	1482.873000	2083.438000	1717.141000	1542.155000	1235.672000	1910.206000

	B:6
1	
2	

	2way ANOVA ANOVA results					
1	Table Analyzed	Vt awake				
2						
3	**Two-way ANO**	Ordinary				
4	Alpha	0.05				
5						
6	**Source of Vai**	**% of tota**	**P value**	**P value s**	**Significa**	
7	Interaction	1.144	0.6770	ns	No	
8	Tempo	77.62	<0.0001	****	Yes	
9	Tratamento	0.00506	0.9196	ns	No	
10						
11	**ANOVA table**	**SS (Type**	**DF**	**MS**	**F (DFn,**	**P value**
12	Interaction	3.363	4	0.8408	F (4, 45)	P=0.677
13	Tempo	228.2	4	57.05	F (4, 45)	P<0.000
14	Tratamento	0.01488	1	0.01488	F (1, 45)	P=0.919
15	Residual	64.98	45	1.444		
16						
17	**Difference be**					
18	Predicted (L	9.755				
19	Predicted (L	9.789				
20	Difference b	-0.03303				
21	SE of differe	0.3254				
22	95% CI of di	-0.6884 t				

	2way ANOVA Multiple comparisons			
1	Compare each cell mean with the other cell mean in that row			
2				
3	Number of families	1		
4	Number of comparisons per family	5		
5	Alpha	0.05		
6				
7	**Bonferroni's multiple comparisons test**	**Predicted (LS) mean diff.**	**95.00% CI of diff.**	**Significant?**
8				
9	MCH - Veículo salina estéril			
10	basal	-0.4524	-2.409 to 1.505	No
11	10 min	-0.5342	-2.491 to 1.423	No
12	20 min	0.2932	-1.664 to 2.250	No
13	30 min	0.04570	-1.911 to 2.003	No
14	40 min	0.8128	-1.144 to 2.770	No
15				
16				
17	**Test details**	**Predicted (LS) mean 1**	**Predicted (LS) mean 2**	**Predicted (LS) mean diff.**
18				
19	MCH - Veículo salina estéril			
20	basal	7.173	7.625	-0.4524
21	10 min	6.876	7.410	-0.5342
22	20 min	11.61	11.32	0.2932
23	30 min	11.31	11.27	0.04570
24	40 min	11.97	11.16	0.8128

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6					
7	**Summary**				
8					
9					
10	ns				
11	ns				
12	ns				
13	ns				
14	ns				
15					
16					
17	**SE of diff.**	**N1**	**N2**	**t**	**DF**
18					
19					
20	0.7276	5	6	0.6217	45.00
21	0.7276	5	6	0.7341	45.00
22	0.7276	5	6	0.4030	45.00
23	0.7276	5	6	0.06281	45.00
24	0.7276	5	6	1.117	45.00

Data analyzed: Vt awake

Source of Variation	Degrees of Freedom	Sum of Squares	Mean square
Tratamento	1	0.01488	0.01488
Tempo	4	228.2	57.05
Interaction	4	3.363	0.8408
Residual (error)	45	64.98	1.444
Total	54	294.0	

Does Tratamento have the same effect at all values of Tempo?

Interaction accounts for 1.144 of the total variance.
F = 0.58. DFn = 4, DFd = 45
The P value = 0.6770
If there is no interaction overall, there is a 68% chance of randomly observing so much interaction in an experiment of this size. The interaction is considered not significant.

Does Tratamento affect the result?

Tratamento accounts for 0.005062 of the total variance.
F = 0.01. DFn = 1, DFd = 45
The P value = 0.9196
If Tratamento has no effect overall, there is a 92% chance of randomly observing an effect this big (or bigger) in an experiment of this size. The effect is considered not significant.

Does Tempo affect the result?

Tempo accounts for 77.62 of the total variance.
F = 39.51. DFn = 4, DFd = 45
The P value is < 0.0001
If Tempo has no effect overall, there is a less than 0.01% chance of randomly observing an effect this big (or bigger) in an experiment of this size. The effect is considered extremely significant.

	2way ANOVA ANOVA results					
1	Table Analyzed	FR awake				
2						
3	**Two-way ANOVA**	Ordinary				
4	Alpha	0.05				
5						
6	**Source of Variation**	**% of total variation**	**P value**	**P value summary**	**Significant?**	
7	Interaction	1.161	0.3543	ns	No	
8	Tempo	84.76	<0.0001	****	Yes	
9	Tratamento	0.6476	0.1193	ns	No	
10						
11	**ANOVA table**	**SS (Type III)**	**DF**	**MS**	**F (DFn, DFd)**	**P value**
12	Interaction	659.6	4	164.9	F (4, 45) = 1.130	P=0.3543
13	Tempo	48137	4	12034	F (4, 45) = 82.49	P<0.0001
14	Tratamento	367.8	1	367.8	F (1, 45) = 2.521	P=0.1193
15	Residual	6565	45	145.9		
16						
17	**Difference between column means**					
18	Predicted (LS) mean of Veículo	137.4				
19	Predicted (LS) mean of MCH	132.2				
20	Difference between predicted means	5.193				
21	SE of difference	3.271				
22	95% CI of difference	-1.395 to 11.78				

	2way ANOVA Multiple comparisons			
1	Compare each cell mean with the other cell mean in that row			
2				
3	Number of families	1		
4	Number of comparisons per family	5		
5	Alpha	0.05		
6				
7	**Bonferroni's multiple comparisons test**	**Predicted (LS) mean diff.**	**95.00% CI of diff.**	**Significant?**
8				
9	MCH - Veículo			
10	basal	3.081	-16.59 to 22.75	No
11	10 min	-0.8728	-20.54 to 18.80	No
12	20 min	-2.071	-21.74 to 17.60	No
13	30 min	-9.777	-29.45 to 9.894	No
14	40 min	-16.33	-36.00 to 3.344	No
15				
16				
17	**Test details**	**Predicted (LS) mean 1**	**Predicted (LS) mean 2**	**Predicted (LS) mean diff.**
18				
19	MCH - Veículo			
20	basal	102.7	99.65	3.081
21	10 min	95.88	96.75	-0.8728
22	20 min	164.0	166.1	-2.071
23	30 min	153.7	163.4	-9.777
24	40 min	144.6	160.9	-16.33

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6					
7	**Summary**				
8					
9					
10	ns				
11	ns				
12	ns				
13	ns				
14	ns				
15					
16					
17	**SE of diff.**	**N1**	**N2**	**t**	**DF**
18					
19					
20	7.314	5	6	0.4212	45.00
21	7.314	5	6	0.1193	45.00
22	7.314	5	6	0.2831	45.00
23	7.314	5	6	1.337	45.00
24	7.314	5	6	2.232	45.00

Data analyzed: FR awake

Source of Variation	Degrees of Freedom	Sum of Squares	Mean square
Tratamento	1	367.8	367.8
Tempo	4	48137	12034
Interaction	4	659.6	164.9
Residual (error)	45	6565	145.9
Total	54	56795	

Does Tratamento have the same effect at all values of Tempo?

Interaction accounts for 1.161 of the total variance.
F = 1.13. DFn = 4, DFd = 45
The P value = 0.3543
If there is no interaction overall, there is a 35% chance of randomly observing so much interaction in an experiment of this size. The interaction is considered not significant.

Does Tratamento affect the result?

Tratamento accounts for 0.6476 of the total variance.
F = 2.52. DFn = 1, DFd = 45
The P value = 0.1193
If Tratamento has no effect overall, there is a 12% chance of randomly observing an effect this big (or bigger) in an experiment of this size. The effect is considered not significant.

Does Tempo affect the result?

Tempo accounts for 84.76 of the total variance.
F = 82.49. DFn = 4, DFd = 45
The P value is < 0.0001
If Tempo has no effect overall, there is a less than 0.01% chance of randomly observing an effect this big (or bigger) in an experiment of this size. The effect is considered extremely significant.

	2way ANOVA ANOVA results					
1	Table Analyzed	VE awake				
2						
3	**Two-way ANOVA**	Ordinary				
4	Alpha	0.05				
5						
6	**Source of Variation**	**% of total variation**	**P value**	**P value summary**	**Significant?**	
7	Interaction	0.1349	0.9771	ns	No	
8	Tempo	85.54	<0.0001	****	Yes	
9	Tratamento	0.1492	0.4823	ns	No	
10						
11	**ANOVA table**	**SS (Type III)**	**DF**	**MS**	**F (DFn, DFd)**	**P value**
12	Interaction	25219	4	6305	F (4, 45) = 0.1134	P=0.9771
13	Tempo	15988581	4	3997145	F (4, 45) = 71.93	P<0.0001
14	Tratamento	27894	1	27894	F (1, 45) = 0.5019	P=0.4823
15	Residual	2500792	45	55573		
16						
17	**Difference between column means**					
18	Predicted (LS) mean of Veículo	1400				
19	Predicted (LS) mean of MCH	1355				
20	Difference between predicted means	45.23				
21	SE of difference	63.84				
22	95% CI of difference	-83.35 to 173.8				

	2way ANOVA Multiple comparisons			
1	Compare each cell mean with the other cell mean in that row			
2				
3	Number of families	1		
4	Number of comparisons per family	5		
5	Alpha	0.05		
6				
7	**Bonferroni's multiple comparisons test**	**Predicted (LS) mean diff.**	**95.00% CI of diff.**	**Significant?**
8				
9	MCH - Veículo			
10	basal	-20.19	-404.1 to 363.7	No
11	10 min	-48.03	-432.0 to 335.9	No
12	20 min	19.67	-364.3 to 403.6	No
13	30 min	-106.2	-490.1 to 277.7	No
14	40 min	-71.40	-455.3 to 312.5	No
15				
16				
17	**Test details**	**Predicted (LS) mean 1**	**Predicted (LS) mean 2**	**Predicted (LS) mean diff.**
18				
19	MCH - Veículo			
20	basal	736.4	756.6	-20.19
21	10 min	663.3	711.4	-48.03
22	20 min	1905	1885	19.67
23	30 min	1739	1845	-106.2
24	40 min	1731	1803	-71.40

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7	**Summary**				
8					
9					
10	ns				
11	ns				
12	ns				
13	ns				
14	ns				
15					
16					
17	**SE of diff.**	**N1**	**N2**	**t**	**DF**
18					
19					
20	142.7	5	6	0.1415	45.00
21	142.7	5	6	0.3365	45.00
22	142.7	5	6	0.1378	45.00
23	142.7	5	6	0.7439	45.00
24	142.7	5	6	0.5002	45.00

Data analyzed: VE awake

Source of Variation	Degrees of Freedom	Sum of Squares	Mean square
Tratamento	1	27894	27894
Tempo	4	15988581	3997145
Interaction	4	25219	6305
Residual (error)	45	2500792	55573
Total	54	18691646	

Does Tratamento have the same effect at all values of Tempo?

Interaction accounts for 0.1349 of the total variance.
F = 0.11. DFn = 4, DFd = 45
The P value = 0.9771
If there is no interaction overall, there is a 98% chance of randomly observing so much interaction in an experiment of this size. The interaction is considered not significant.

Does Tratamento affect the result?

Tratamento accounts for 0.1492 of the total variance.
F = 0.50. DFn = 1, DFd = 45
The P value = 0.4823
If Tratamento has no effect overall, there is a 48% chance of randomly observing an effect this big (or bigger) in an experiment of this size. The effect is considered not significant.

Does Tempo affect the result?

Tempo accounts for 85.54 of the total variance.
F = 71.93. DFn = 4, DFd = 45
The P value is < 0.0001
If Tempo has no effect overall, there is a less than 0.01% chance of randomly observing an effect this big (or bigger) in an experiment of this size. The effect is considered extremely significant.

Row stats		A			B		
		Veículo			MCH		
		Mean	SD	N	Mean	SD	N
1	basal	756.554	97.075	6	736.360	126.563	5
2	10 min	711.376	75.872	6	663.344	166.820	5
3	20 min	1885.244	312.430	6	1904.913	296.086	5
4	30 min	1844.785	231.291	6	1738.599	209.048	5
5	40 min	1802.646	354.433	6	1731.248	291.708	5

Row stats		A			B		
		Veículo salina estéril			MCH		
		Mean	SD	N	Mean	SD	N
1	basal	7.625	0.782	6	7.173	0.991	5
2	10 min	7.410	0.923	6	6.876	1.174	5
3	20 min	11.319	1.399	6	11.612	1.195	5
4	30 min	11.268	0.995	6	11.314	0.804	5
5	40 min	11.155	1.593	6	11.968	1.768	5

Row stats		A			B		
		Veículo			MCH		
		Mean	SD	N	Mean	SD	N
1	basal	99.649	11.713	6	102.730	4.735	5
2	10 min	96.750	12.105	6	95.877	10.164	5
3	20 min	166.090	12.636	6	164.020	17.166	5
4	30 min	163.449	10.535	6	153.671	13.472	5
5	40 min	160.904	11.521	6	144.577	13.437	5

	2way ANOVA ANOVA results					
1	Table Analyzed	Vt sleep				
2						
3	**Two-way RM ANOVA**	Matching: Stacked				
4	Assume sphericity?	Yes				
5	Alpha	0.05				
6						
7	**Source of Variation**	**% of total variation**	**P value**	**P value summary**	**Significant?**	
8	Interaction	0.7254	0.0202	*	Yes	
9	Time	82.05	<0.0001	****	Yes	
10	treatment	0.07613	0.8456	ns	No	
11	Subject	17.05	<0.0001	****	Yes	
12						
13	**ANOVA table**	**SS**	**DF**	**MS**	**F (DFn, DFd)**	**P value**
14	Interaction	0.7484	1	0.7484	F (1, 9) = 7.925	P=0.0202
15	Time	84.66	1	84.66	F (1, 9) = 896.5	P<0.0001
16	treatment	0.07855	1	0.07855	F (1, 9) = 0.04020	P=0.8456
17	Subject	17.59	9	1.954	F (9, 9) = 20.69	P<0.0001
18	Residual	0.8499	9	0.09443		
19						
20	**Difference between row means**					
21	Mean of basal	7.107				
22	Mean of 7%CO_2	11.05				
23	Difference between means	-3.940				
24	SE of difference	0.1316				
25	95% CI of difference	-4.237 to -3.642				
26						
27	**Difference between column mea**					
28	Mean of Veículo	9.017				
29	Mean of MCH	9.137				
30	Difference between means	-0.1200				
31	SE of difference	0.5985				

	2way ANOVA ANOVA results					
32	95% CI of difference	-1.474 to 1.234				
33						
34	**Interaction CI**					
35	Mean diff, A1 - B1	0.2504				
36	Mean diff, A2 - B2	-0.4904				
37	(A1 -B1) - (A2 - B2)	0.7408				
38	95% CI of difference	0.1455 to 1.336				
39	(B1 - A1) - (B2 - A2)	-0.7408				
40	95% CI of difference	-1.336 to -0.1455				
41						
42	**Data summary**					
43	Number of columns (treatment)	2				
44	Number of rows (Time)	2				
45	Number of subjects (Subject)	11				

	2way ANOVA Multiple comparisons			
1	Compare each cell mean with the other cell mean in that row			
2				
3	Number of families	1		
4	Number of comparisons per family	2		
5	Alpha	0.05		
6				
7	**Bonferroni's multiple comparisons test**	**Predicted (LS) mean diff.**	**95.00% CI of diff.**	**Significant?**
8				
9	Veículo - MCH			
10	basal	0.2504	-1.248 to 1.749	No
11	7%CO_2	-0.4904	-1.989 to 1.008	No
12				
13				
14	**Test details**	**Predicted (LS) mean 1**	**Predicted (LS) mean 2**	**Predicted (LS) mean diff.**
15				
16	Veículo - MCH			
17	basal	7.232	6.982	0.2504
18	7%CO_2	10.80	11.29	-0.4904

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7	**Summary**	**Adjusted P Value**			
8					
9					
10	ns	>0.9999			
11	ns	0.8680			
12					
13					
14	**SE of diff.**	**N1**	**N2**	**t**	**DF**
15					
16					
17	0.6128	6	5	0.4086	18.00
18	0.6128	6	5	0.8003	18.00

	2way ANOVA ANOVA results					
1	Table Analyzed	fR sleep				
2						
3	**Two-way RM ANOVA**	Matching: Stacked				
4	Assume sphericity?	Yes				
5	Alpha	0.05				
6						
7	**Source of Variation**	**% of total variation**	**P value**	**P value sumr**	**Significant?**	
8	Interaction	0.5650	0.1947	ns	No	
9	Time	91.48	<0.0001	****	Yes	
10	treatment	0.05053	0.7161	ns	No	
11	Subject	3.229	0.3738	ns	No	
12						
13	**ANOVA table**	**SS**	**DF**	**MS**	**F (DFn, DFd)**	**P value**
14	Interaction	141.2	1	141.2	F (1, 9) = 1.96	P=0.1947
15	Time	22865	1	22865	F (1, 9) = 318.	P<0.0001
16	treatment	12.63	1	12.63	F (1, 9) = 0.14	P=0.7161
17	Subject	807.1	9	89.67	F (9, 9) = 1.24	P=0.3738
18	Residual	647.2	9	71.91		
19						
20	**Difference between row means**					
21	Mean of basal	87.81				
22	Mean of 7%CO_2	152.6				
23	Difference between means	-64.75				
24	SE of difference	3.631				
25	95% CI of difference	-72.96 to -56.53				
26						
27	**Difference between column mea**					
28	Mean of Vehicle	120.9				
29	Mean of MCH	119.4				
30	Difference between means	1.522				
31	SE of difference	4.055				

	2way ANOVA ANOVA results					
32	95% CI of difference	-7.651 to 10.69				
33						
34	**Interaction CI**					
35	Mean diff, A1 - B1	-3.566				
36	Mean diff, A2 - B2	6.610				
37	(A1 -B1) - (A2 - B2)	-10.18				
38	95% CI of difference	-26.60 to 6.252				
39	(B1 - A1) - (B2 - A2)	10.18				
40	95% CI of difference	-6.252 to 26.60				
41						
42	**Data summary**					
43	Number of columns (treatment)	2				
44	Number of rows (Time)	2				
45	Number of subjects (Subject)	11				

	2way ANOVA Multiple comparisons			
1	Compare each cell mean with the other cell mean in that row			
2				
3	Number of families	1		
4	Number of comparisons per family	2		
5	Alpha	0.05		
6				
7	**Bonferroni's multiple comparisons test**	**Predicted (LS) mean diff.**	**95.00% CI of diff.**	**Significant?**
8				
9	Vehicle - MCH			
10	basal	-3.566	-16.87 to 9.741	No
11	7%CO_2	6.610	-6.698 to 19.92	No
12				
13				
14	**Test details**	**Predicted (LS) mean 1**	**Predicted (LS) mean 2**	**Predicted (LS) mean diff.**
15				
16	Vehicle - MCH			
17	basal	86.03	89.60	-3.566
18	7%CO_2	155.9	149.3	6.610

1					
2					
3					
4					
5					
6					
7	**Summary**	**Adjusted P Value**			
8					
9					
10	ns	>0.9999			
11	ns	0.4806			
12					
13					
14	**SE of diff.**	**N1**	**N2**	**t**	**DF**
15					
16					
17	5.443	6	5	0.6553	18.00
18	5.443	6	5	1.214	18.00

	2way ANOVA ANOVA results					
1	Table Analyzed	VE sleep				
2						
3	**Two-way RM ANOVA**	Matching: Stacked				
4	Assume sphericity?	Yes				
5	Alpha	0.05				
6						
7	**Source of Variation**	**% of total variation**	**P value**	**P value summary**	**Significant?**	
8	Interaction	0.0001862	0.9805	ns	No	
9	Time	88.85	<0.0001	****	Yes	
10	Treatment	0.005684	0.9371	ns	No	
11	Subject	7.767	0.0632	ns	No	
12						
13	**ANOVA table**	**SS**	**DF**	**MS**	**F (DFn, DFd)**	**P value**
14	Interaction	13.09	1	13.09	F (1, 9) = 0.0006297	P=0.9805
15	Time	6246739	1	6246739	F (1, 9) = 300.4	P<0.0001
16	Treatment	399.6	1	399.6	F (1, 9) = 0.006587	P=0.9371
17	Subject	546052	9	60672	F (9, 9) = 2.918	P=0.0632
18	Residual	187130	9	20792		
19						
20	**Difference between row means**					
21	Mean of basal	622.5				
22	Mean of 7%CO_2	1693				
23	Difference between means	-1070				
24	SE of difference	61.74				
25	95% CI of difference	-1210 to -930.5				
26						
27	**Difference between column means**					
28	Mean of Vehicle	1153				
29	Mean of MCH	1162				
30	Difference between means	-8.560				
31	SE of difference	105.5				

	2way ANOVA ANOVA results					
32	95% CI of difference	-247.1 to 230.0				
33						
34	**Interaction CI**					
35	Mean diff, A1 - B1	-7.010				
36	Mean diff, A2 - B2	-10.11				
37	(A1 -B1) - (A2 - B2)	3.099				
38	95% CI of difference	-276.2 to 282.4				
39	(B1 - A1) - (B2 - A2)	-3.099				
40	95% CI of difference	-282.4 to 276.2				
41						
42	**Data summary**					
43	Number of columns (Treatment)	2				
44	Number of rows (Time)	2				
45	Number of subjects (Subject)	11				

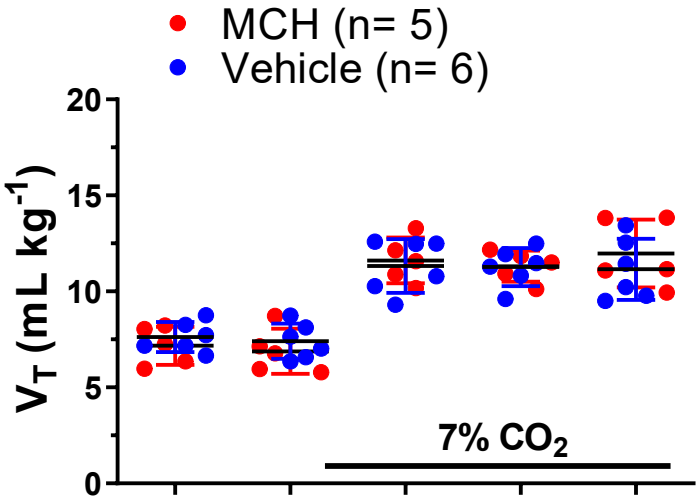
	2way ANOVA Multiple comparisons			
1	Compare each cell mean with the other cell mean in that row			
2				
3	Number of families	1		
4	Number of comparisons per family	2		
5	Alpha	0.05		
6				
7	**Bonferroni's multiple comparisons test**	**Predicted (LS) mean diff.**	**95.00% CI of diff.**	**Significant?**
8				
9	Vehicle - MCH			
10	basal	-7.010	-305.8 to 291.8	No
11	7%CO_2	-10.11	-308.9 to 288.7	No
12				
13				
14	**Test details**	**Predicted (LS) mean 1**	**Predicted (LS) mean 2**	**Predicted (LS) mean diff.**
15				
16	Vehicle - MCH			
17	basal	619.0	626.0	-7.010
18	7%CO_2	1688	1698	-10.11

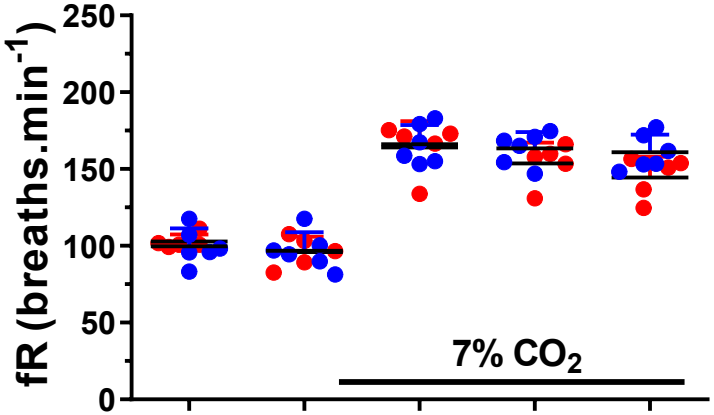
1					
2					
3					
4					
5					
6					
7	**Summary**	**Adjusted P Value**			
8					
9					
10	ns	>0.9999			
11	ns	>0.9999			
12					
13					
14	**SE of diff.**	**N1**	**N2**	**t**	**DF**
15					
16					
17	122.2	6	5	0.05736	18.00
18	122.2	6	5	0.08272	18.00

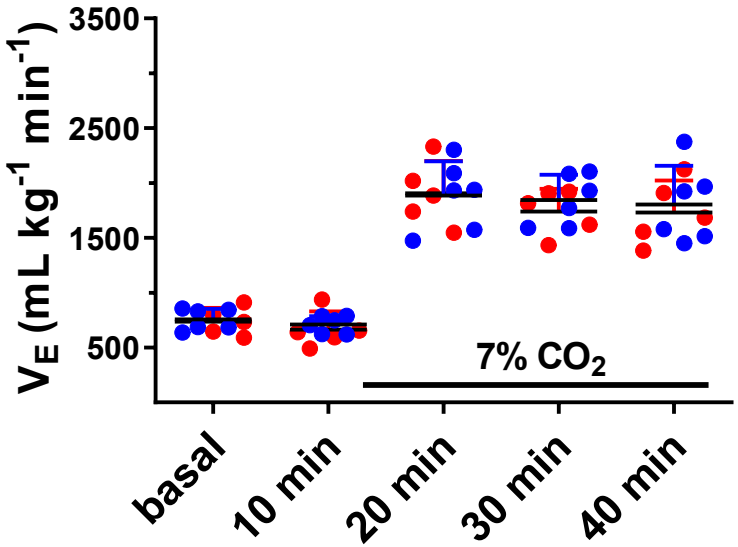
Row stats		A			B		
		Vehicle			MCH		
		Mean	SD	N	Mean	SD	N
1	basal	619.006	56.926	6	626.016	109.270	5
2	7%CO_2	1687.613	217.819	6	1697.722	328.632	5

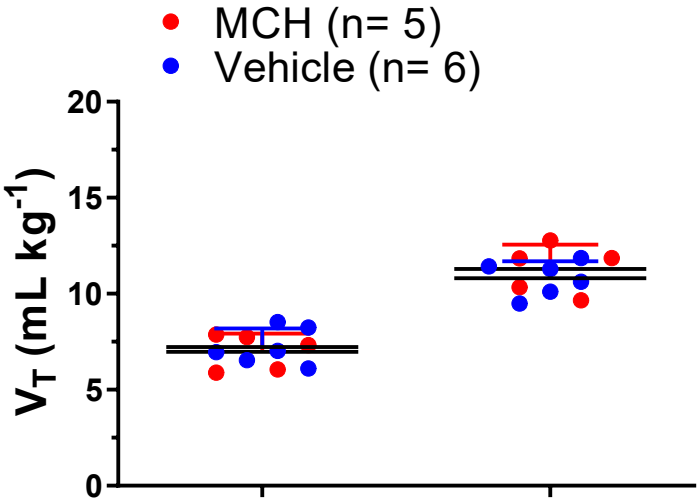
Row stats		A			B		
		Veículo			MCH		
		Mean	SD	N	Mean	SD	N
1	basal	7.232	0.954	6	6.982	0.939	5
2	7%CO_2	10.802	0.890	6	11.292	1.265	5

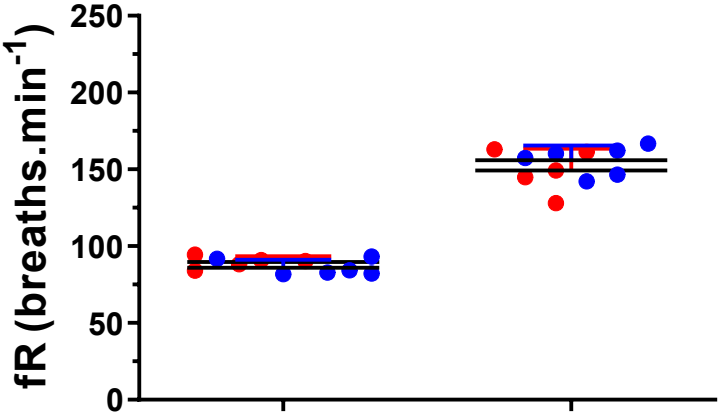
Row stats		A			B		
		Vehicle			MCH		
		Mean	SD	N	Mean	SD	N
1	basal	86.029	5.102	6	89.595	3.828	5
2	7%CO_2	155.863	9.569	6	149.253	14.210	5

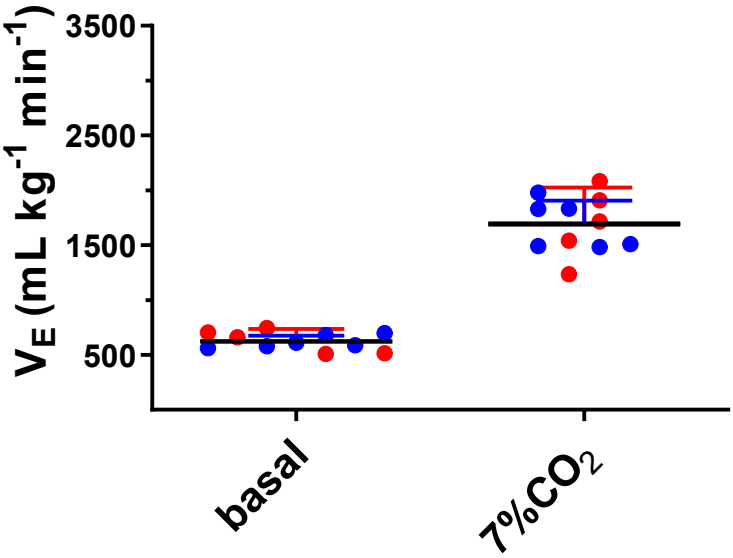

MCH (n= 5)
Vehicle (n= 6)
20
15
10
5
0
V_T (mL kg^{-1})
7% CO_2

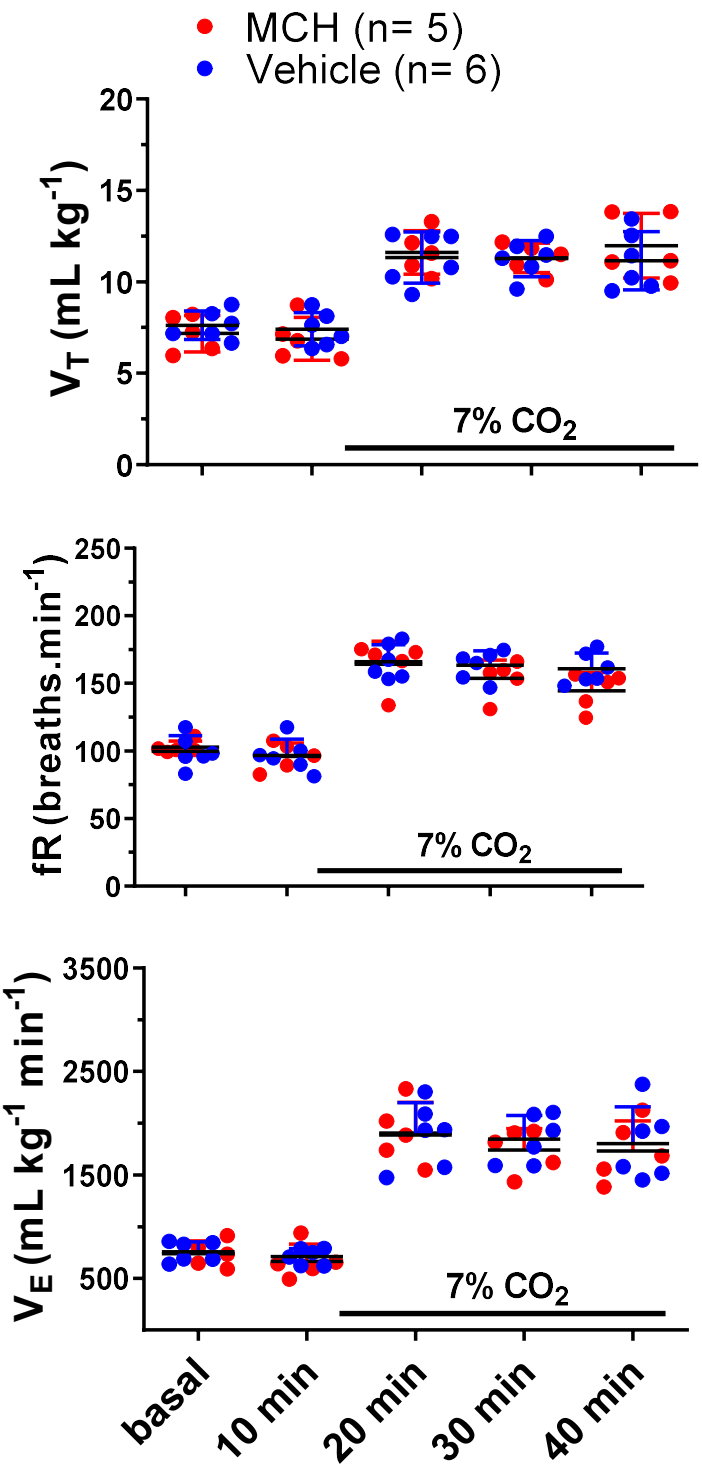

fR (breaths.min-1)
250
200
150
100
50
0
7% CO2

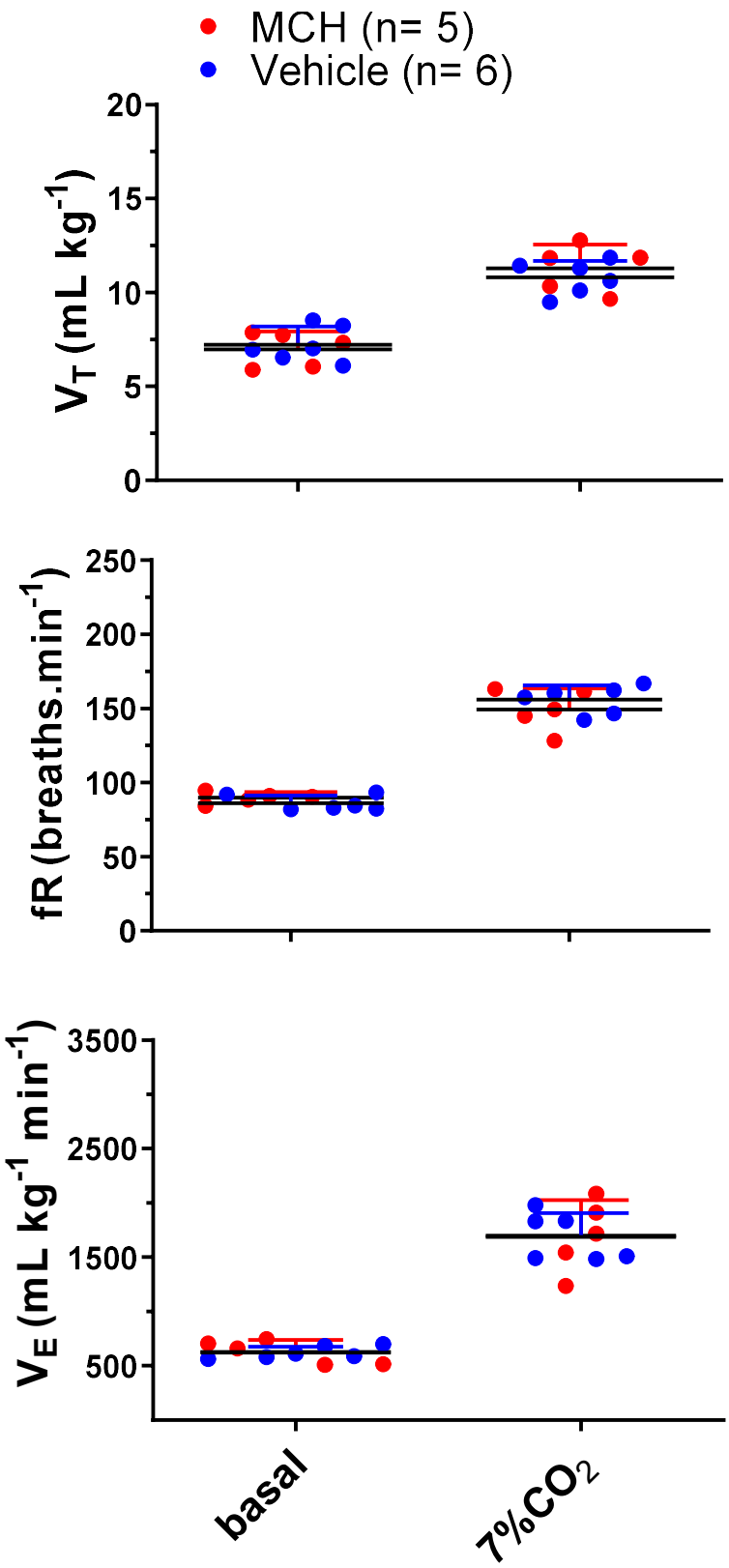

3500
2500
1500
500
V_E (mL kg^{-1} min^{-1})
7% CO_2
basal
10 min
20 min
30 min
40 min

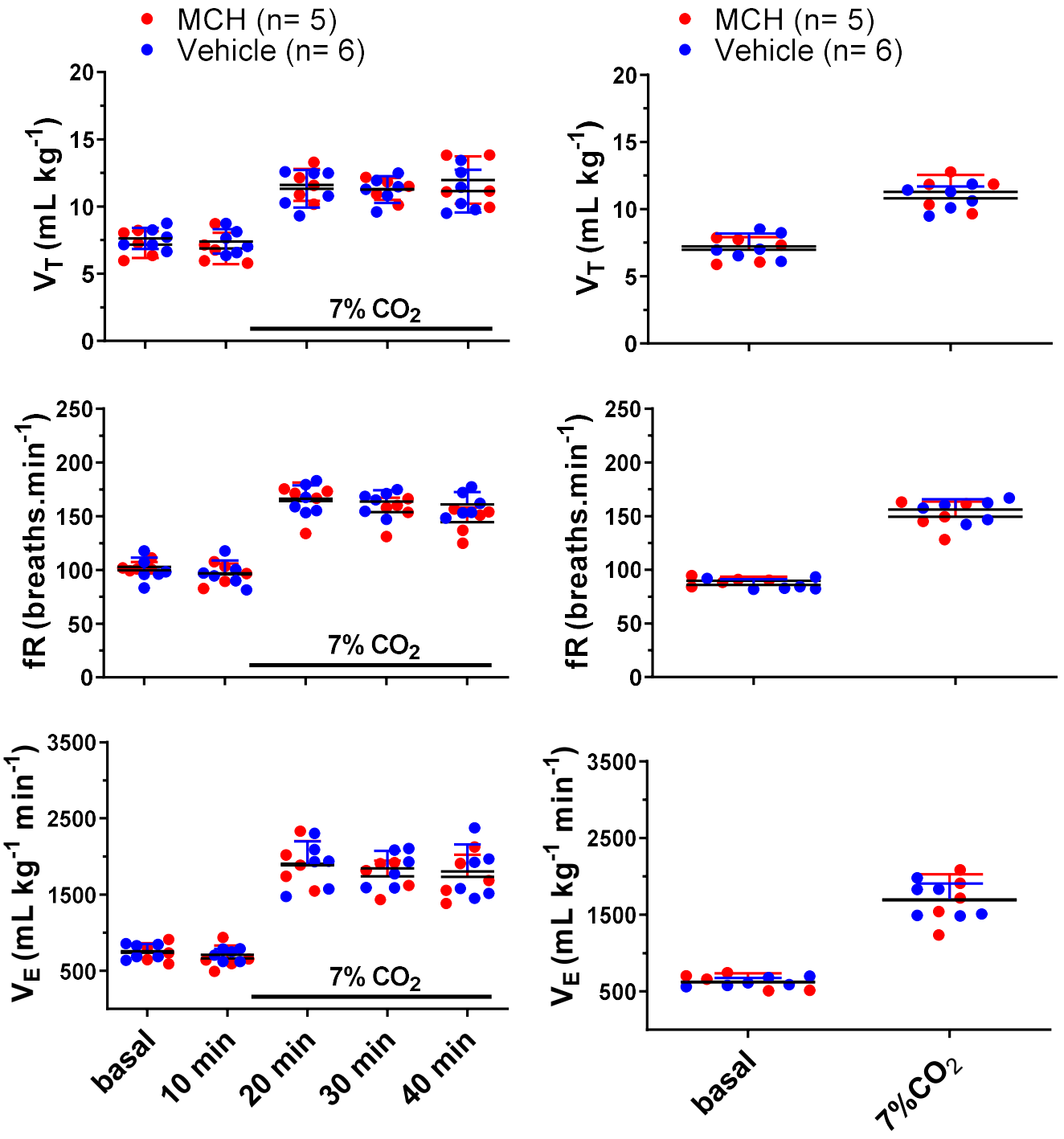

MCH (n= 5)
Vehicle (n= 6)
20
15
10
5
0
V_T (mL kg^{-1})


fR (breaths.min-1)
250
200
150
100
50
0


V_E (mL kg^{-1} min^{-1})
3500
2500
1500
500
basal
7%CO_2


MCH (n= 5)
Vehicle (n= 6)
V_T (mL kg^{-1})
20
15
10
5
0
7% CO_2
fR (breaths.min^{-1})
250
200
150
100
50
0
7% CO_2
V_E (mL kg^{-1} min^{-1})
3500
2500
1500
500
7% CO_2
basal
10 min
20 min
30 min
40 min


MCH (n= 5)
Vehicle (n= 6)
V_T (mL kg^{-1})
20
15
10
5
0
fR (breaths.min^{-1})
250
200
150
100
50
0
V_E (mL kg^{-1} min^{-1})
3500
2500
1500
500
basal
7%CO_2


MCH (n= 5)
Vehicle (n= 6)
V_T (mL kg^{-1})
7% CO_2
fR (breaths.min^{-1})
V_E (mL kg^{-1} min^{-1})
basal
10 min
20 min
30 min
40 min
7%CO_2

Constant	Value
Experiment Da	mar-25-2021
Experiment ID	
Notebook ID	
Project	
Experimenter	
Protocol	