Ventilation with 18%, 21% or 100% oxygen during cardiopulmonary resuscitation of asphyxiated piglets – a randomized controlled animal trial Solevåg AL et al

Online Supplementary Figure Legend

Supplementary Figure 3: Lactate, GSH, GSSG, and GSSG/GSH ratio in left ventricle (LV) myocardium

Positive pressure ventilation with 18% oxygen (n=6), 21% oxygen (n=5), or 100% oxygen (n=4); or sham (n=6).

GSH - total glutathione

GSSG - oxidized glutathione

Supplementary Figure 4: Lactate, GSH, GS SG, and GSSG/GSH ratio in frontoparietal cortex

Positive pressure ventilation with 18% oxygen (n=6), 21% oxygen (n=5), or 100% oxygen (n=4); or sham (n=6).

GSH - total glutathione

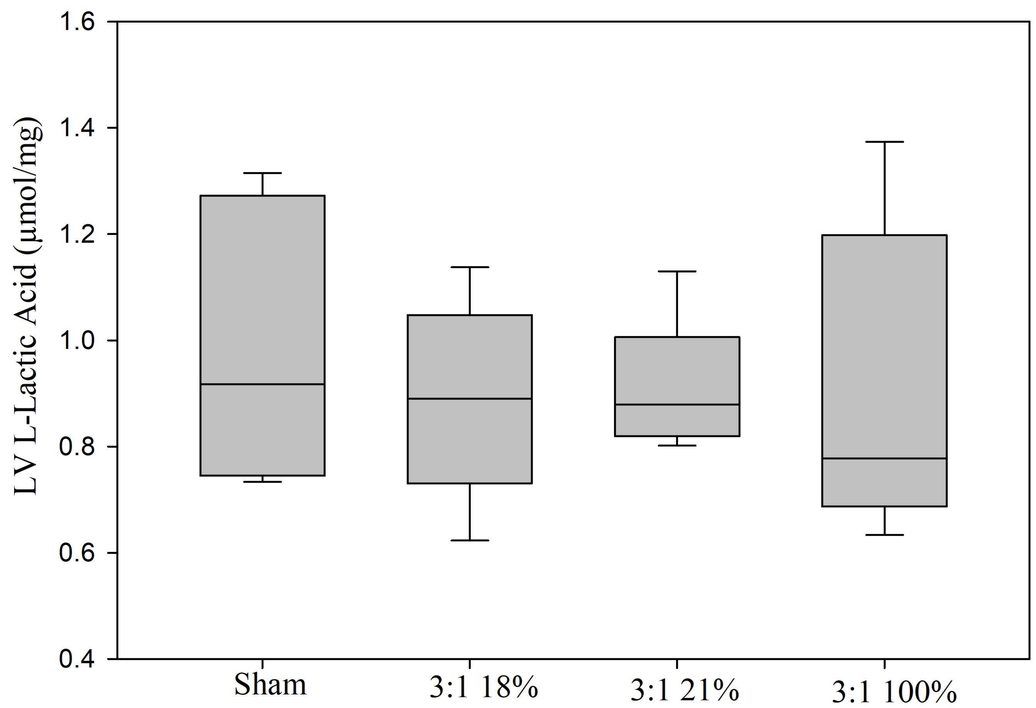
GSSG - oxidized glutathione

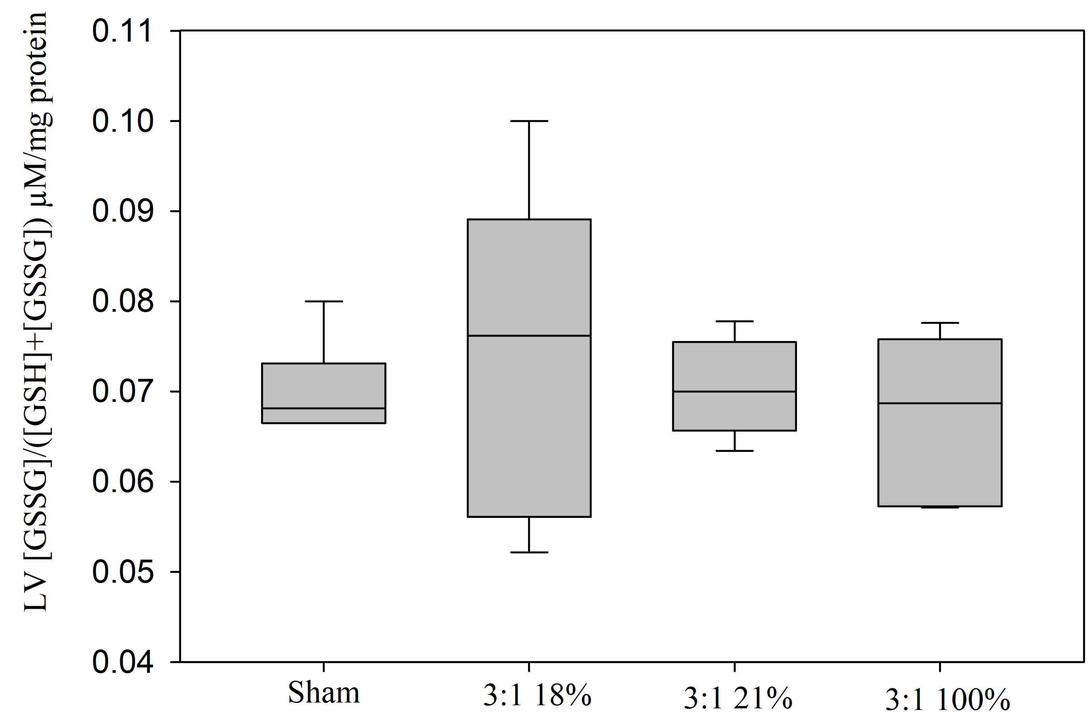
Supplementary Figure 5: IL-8, IL6, IL-1β or TNF-α in frontoparietal cortex

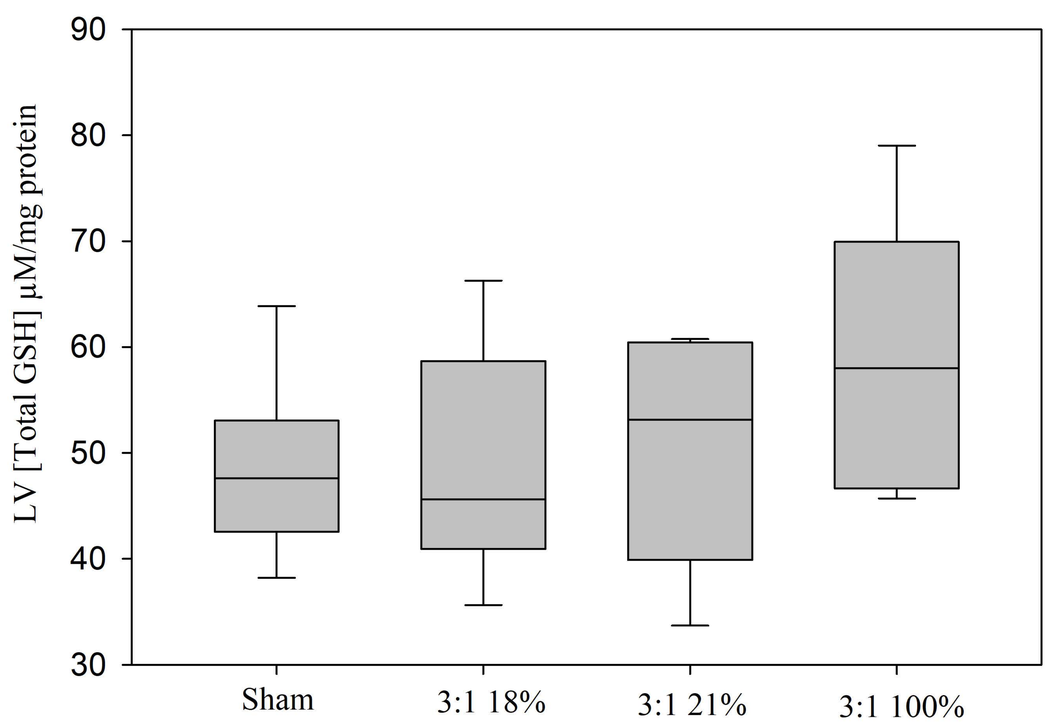
Positive pressure ventilation with 18% oxygen (n=6), 21% oxygen (n=5), or 100% oxygen (n=4); or sham (n=6).

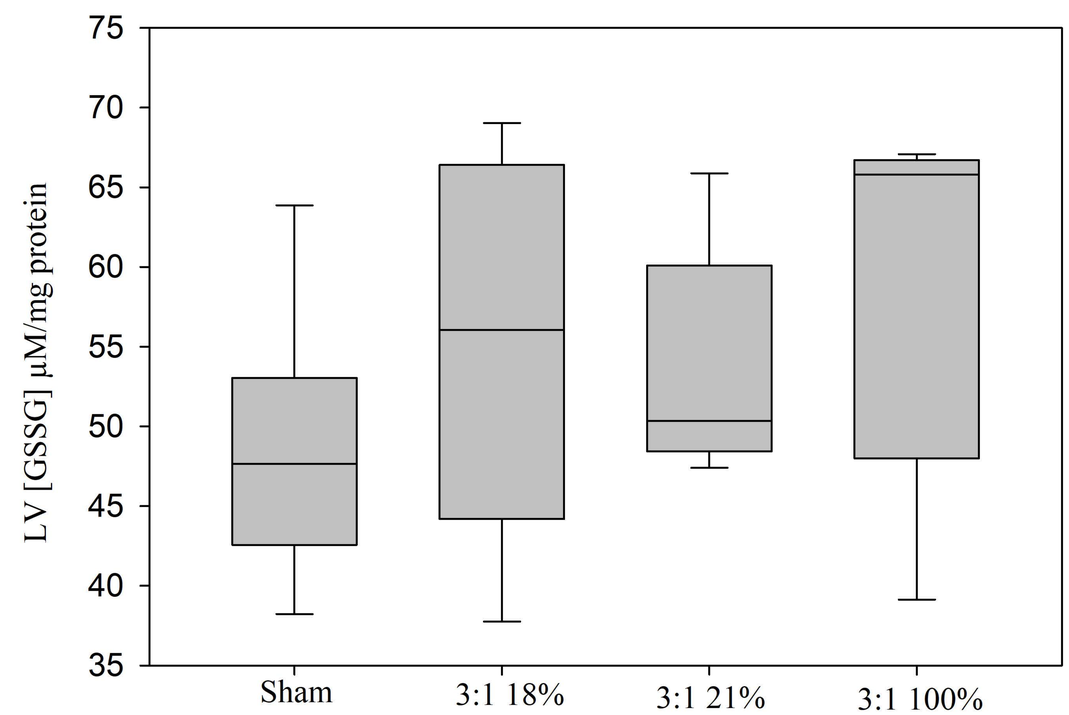
IL – interleukin

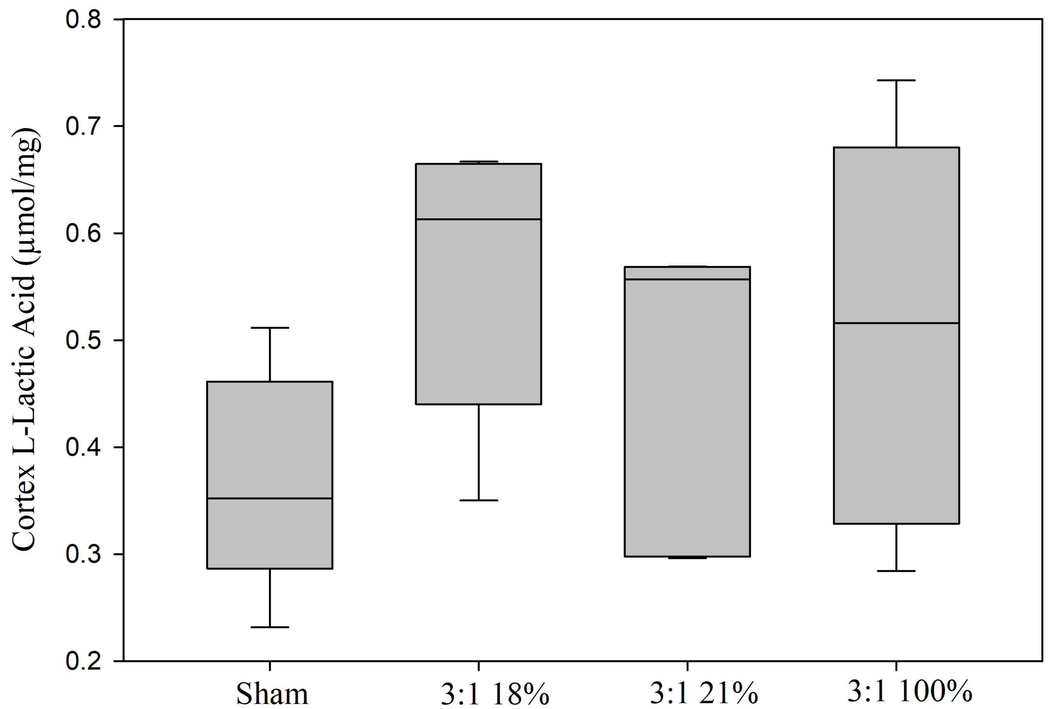
TNF – tumour necrosis factor

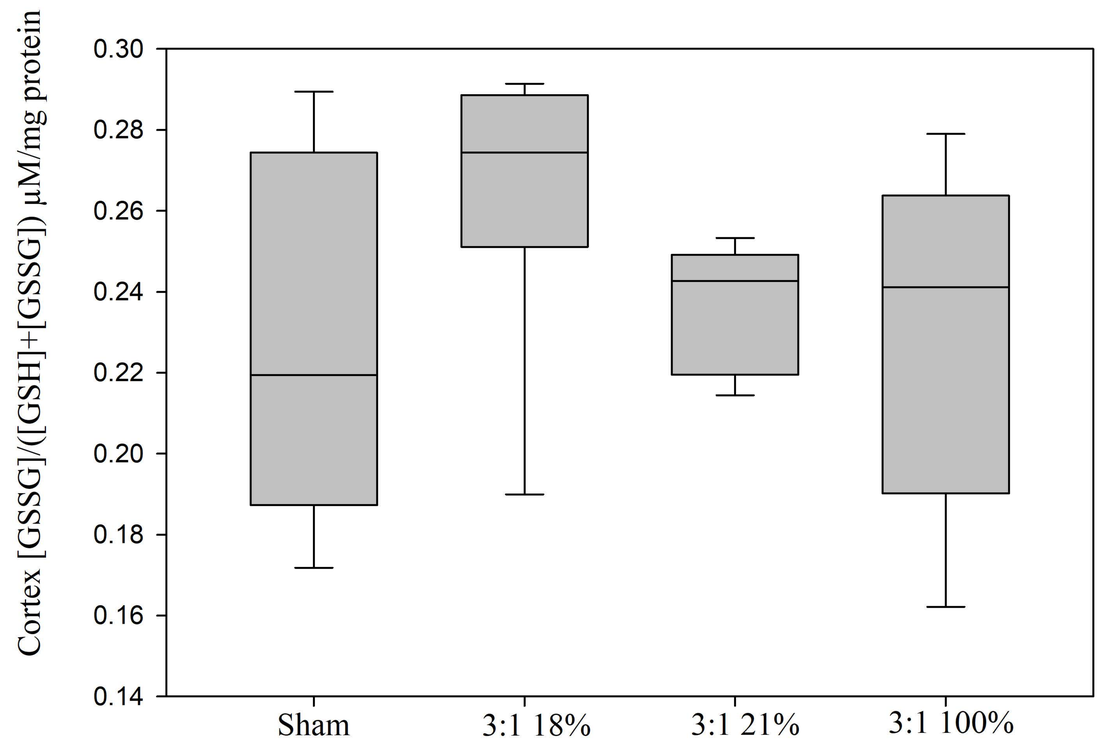

LV L-Lactic Acid (µmol/mg)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
Sham
3:1 18%
3:1 21%
3:1 100%

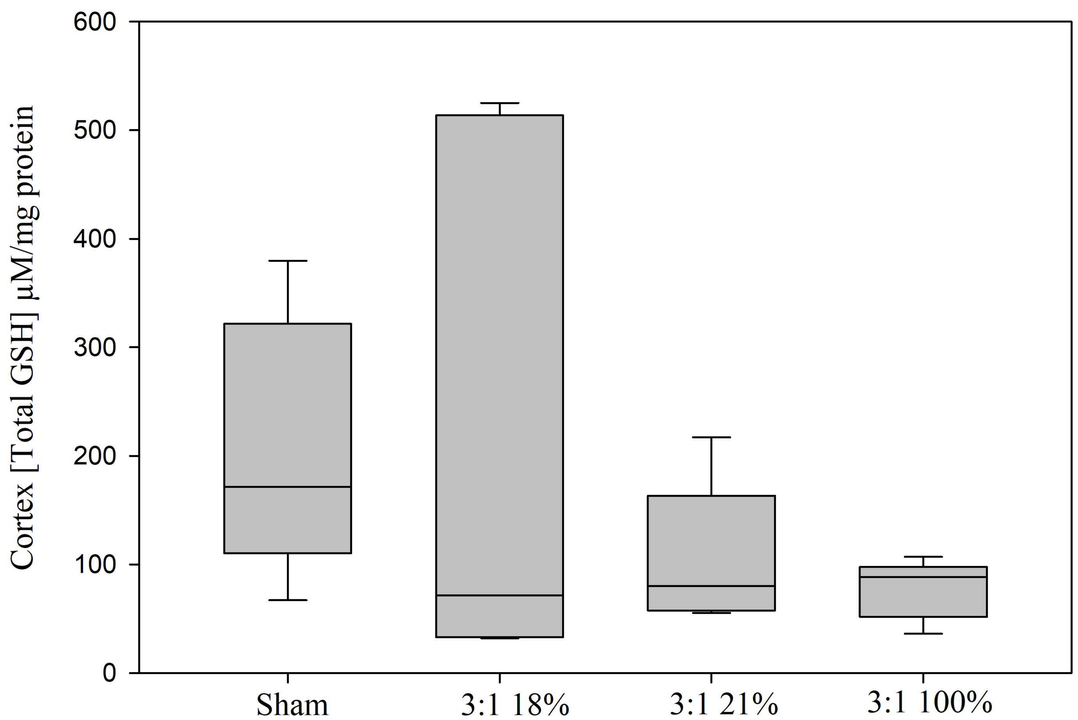

LV [GSSG]/([GSH]+[GSSG]) µM/mg protein
0.11
0.10
0.09
0.08
0.07
0.06
0.05
0.04
Sham
3:1 18%
3:1 21%
3:1 100%

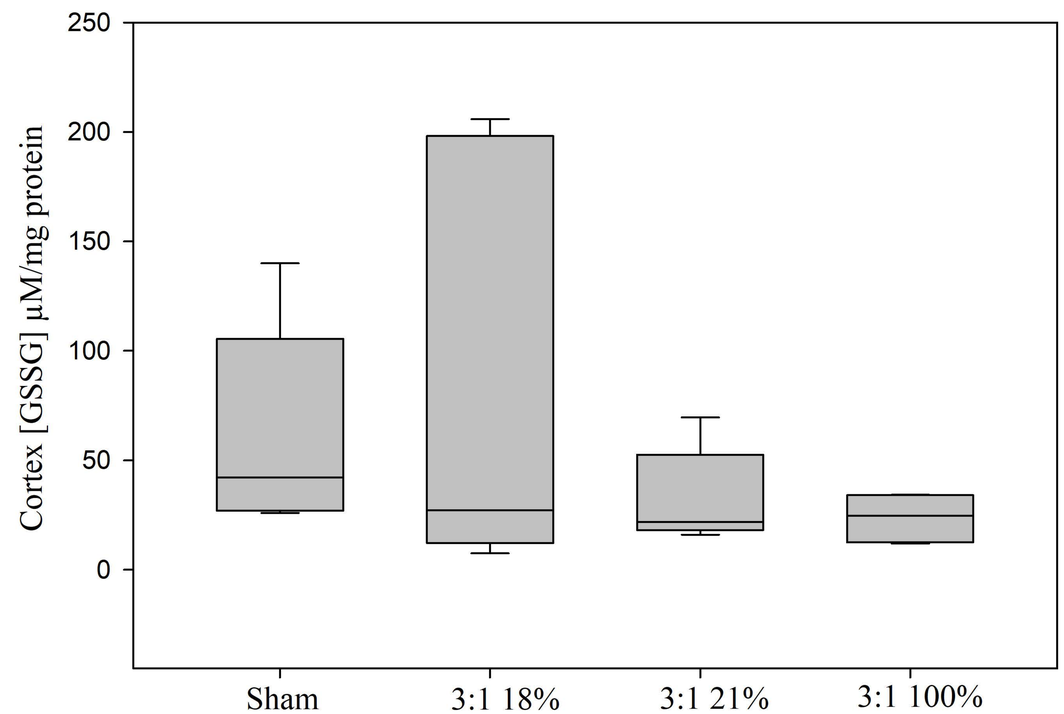

LV [Total GSH] µM/mg protein
90
80
70
60
50
40
30
Sham
3:1 18%
3:1 21%
3:1 100%

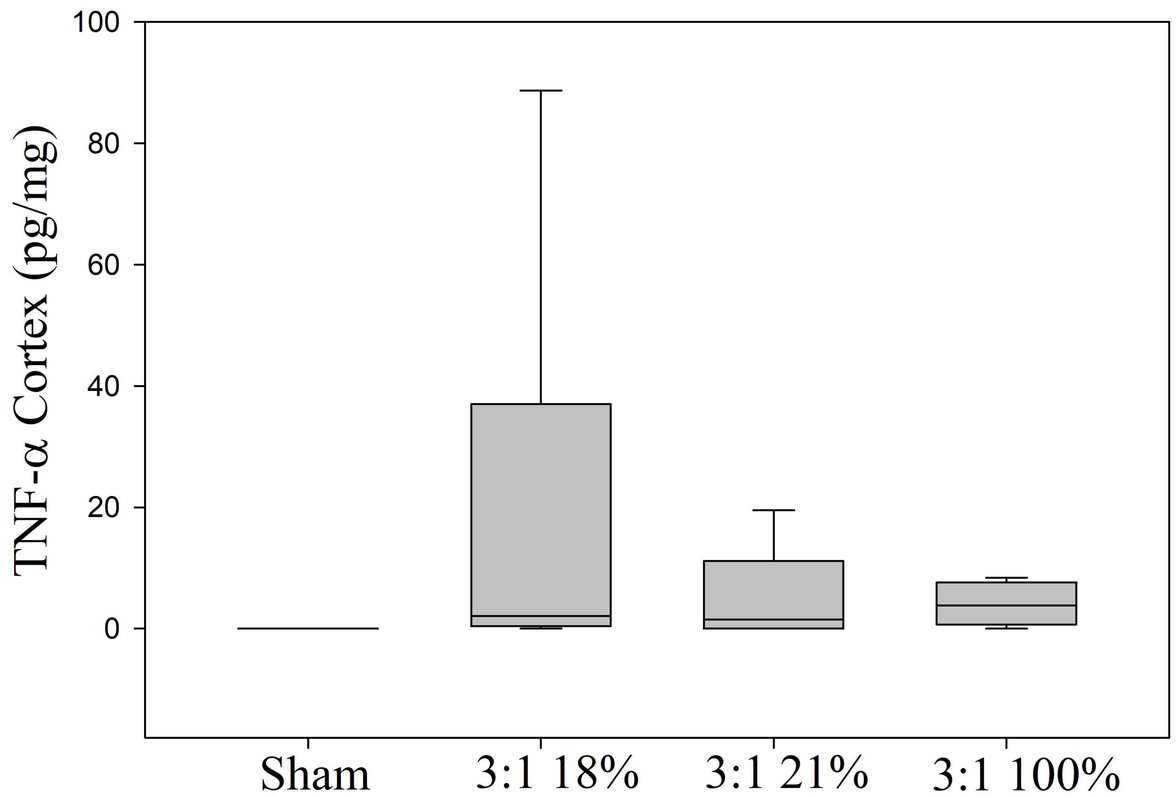

LV [GSSG] µM/mg protein
75
70
65
60
55
50
45
40
35
Sham
3:1 18%
3:1 21%
3:1 100%

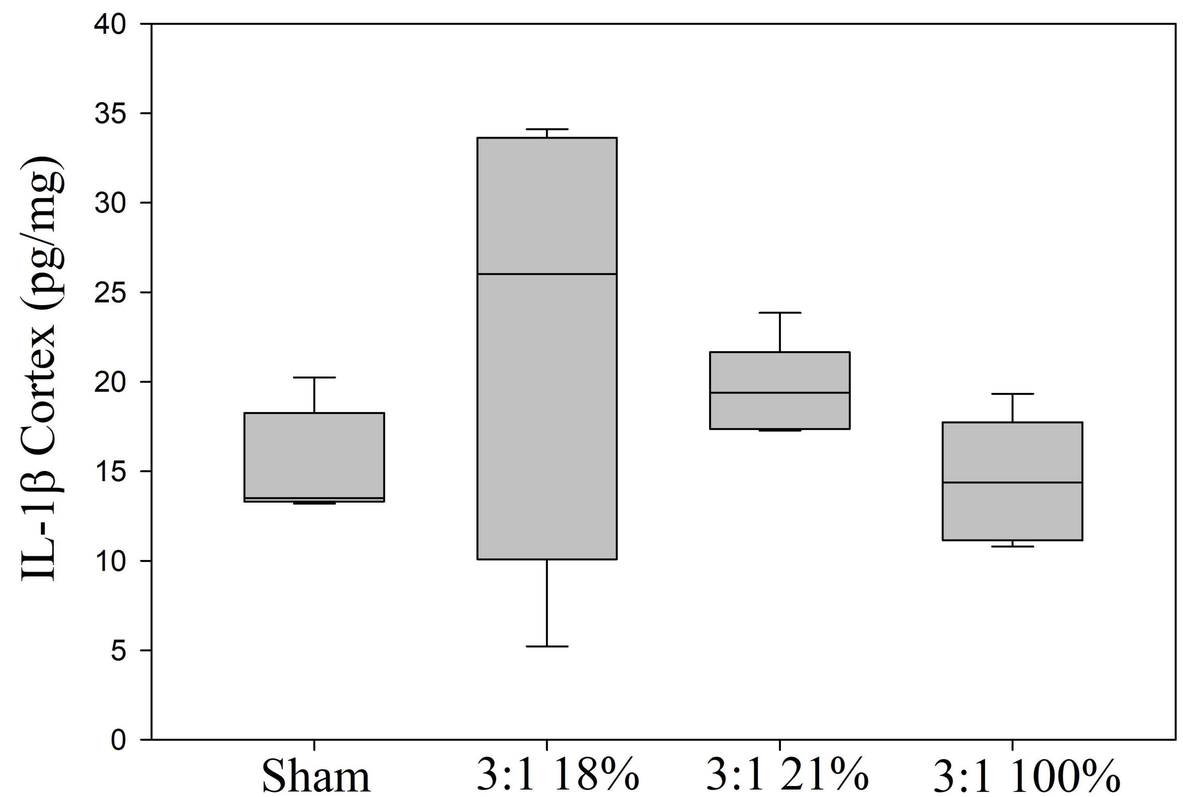

Cortex L-Lactic Acid (µmol/mg)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
Sham
3:1 18%
3:1 21%
3:1 100%

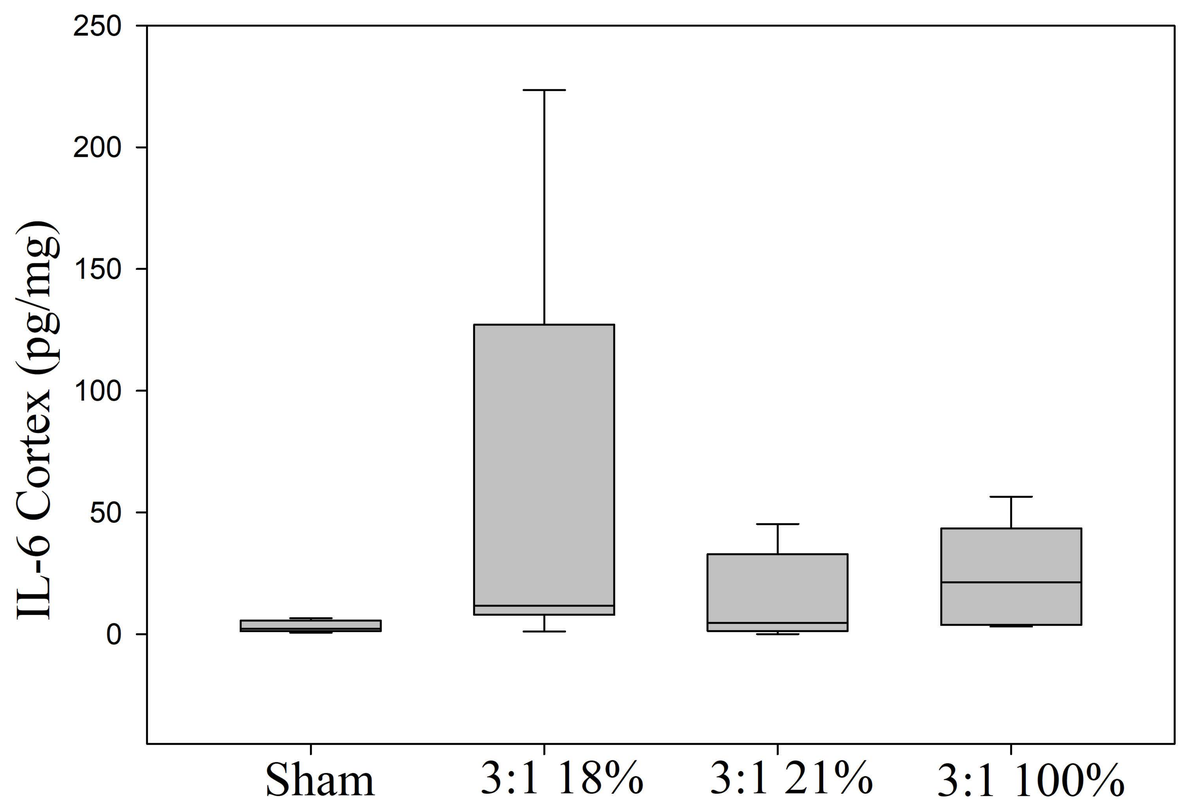

Cortex [GSSG]/([GSH]+[GSSG]) µM/mg protein
0.30
0.28
0.26
0.24
0.22
0.20
0.18
0.16
0.14
Sham
3:1 18%
3:1 21%
3:1 100%

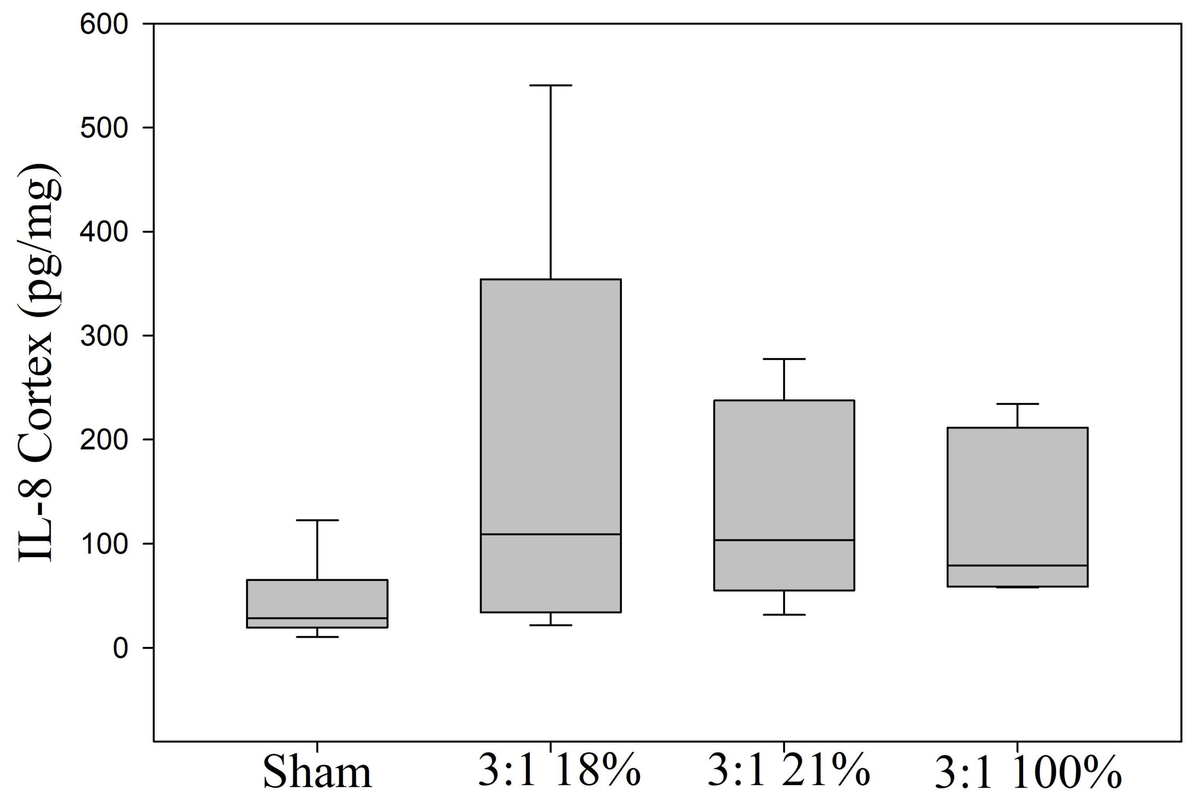

Cortex [Total GSH] µM/mg protein
600
500
400
300
200
100
0
Sham
3:1 18%
3:1 21%
3:1 100%


Cortex [GSSG] µM/mg protein
250
200
150
100
50
0
Sham
3:1 18%
3:1 21%
3:1 100%


TNF-α Cortex (pg/mg)
100
80
60
40
20
0
Sham
3:1 18%
3:1 21%
3:1 100%


IL-1β Cortex (pg/mg)
40
35
30
25
20
15
10
5
0
Sham
3:1 18%
3:1 21%
3:1 100%


IL-6 Cortex (pg/mg)
250
200
150
100
50
0
Sham
3:1 18%
3:1 21%
3:1 100%


IL-8 Cortex (pg/mg)
600
500
400
300
200
100
0
Sham
3:1 18%
3:1 21%
3:1 100%