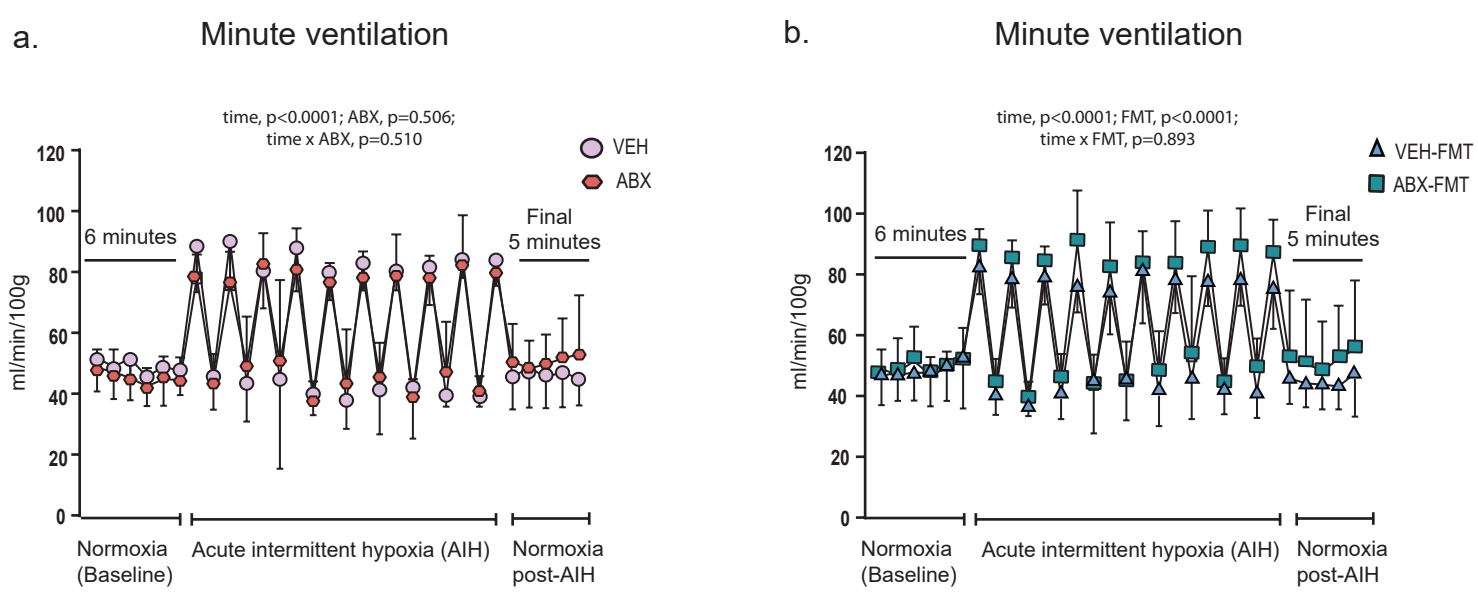
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Cartlann Taighde Oscailte Chorcaí

Title	Manipulation of gut microbiota blunts the ventilatory response to hypercapnia in adult rats
Authors	O'Connor, Karen M.;Lucking, Eric F.;Golubeva, Anna V.;Strain, Conall R.;Fouhy, Fiona;Cenit, María C.;Dhaliwal, Pardeep;Bastiaanssen, Thomaz F. S.;Burns, David P.;Stanton, Catherine;Clarke, Gerard;Cryan, John F.;O'Halloran, Ken D.
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Coláiste na hOllscoile Corcaigh


a.
Minute ventilation
time, p<0.0001; ABX, p=0.506;
time x ABX, p=0.510
VEH
ABX
120
100
80
60
40
20
0
ml/min/100g
6 minutes
Final
5 minutes
Normoxia
(Baseline)
Acute intermittent hypoxia (AIH)
Normoxia
post-AIH
b.
Minute ventilation
time, p<0.0001; FMT, p<0.0001;
time x FMT, p=0.893
VEH-FMT
ABX-FMT
120
100
80
60
40
20
0
ml/min/100g
6 minutes
Final
5 minutes
Normoxia
(Baseline)
Acute intermittent hypoxia (AIH)
Normoxia
post-AIH