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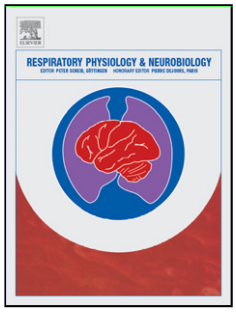

Title: Dietary Nitrate Supplementation Opposes the Elevated Diaphragm Blood Flow in Chronic Heart Failure during Submaximal Exercise

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Dietary Nitrate Supplementation Opposes the Elevated Diaphragm Blood Flow in Chronic Heart Failure during Submaximal Exercise

Running title: Beetroot juice and diaphragm BF

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Highlights

- Chronic heart failure (CHF) leads to greater diaphragm blood flow (BF)
- Beetroot juice (BR) supplementation lowers the oxygen cost of exercise
- We examined if BR supplementation attenuated the diaphragm BF response in CHF rats
- Submaximal exercise diaphragm BF was lower after BR supplementation in CHF rats

Abstract

Chronic heart failure (CHF) results in a greater cost of breathing and necessitates an elevated diaphragm blood flow (BF). Dietary nitrate (NO_3^-) supplementation lowers the cost of exercise.