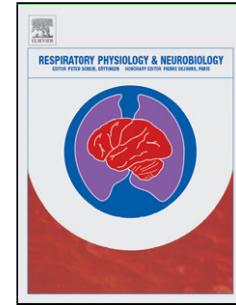


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Title: Sex differences in respiratory muscle activation patterns during high-intensity exercise in healthy humans

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Sex differences in respiratory muscle activation patterns during high-intensity exercise in healthy humans

Running Head: Sex differences and respiratory muscle activation during exercise

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Highlights:

- Women experience less diaphragmatic fatigue than men during exercise
- This difference may be due to sex differences in inspiratory muscle recruitment
- There is no sex difference in relative diaphragm activation during exercise
- Women have greater relative activation of extra-diaphragmatic inspiratory muscles
- Extra-diaphragmatic muscle recruitment may reduce diaphragm fatigue in women

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