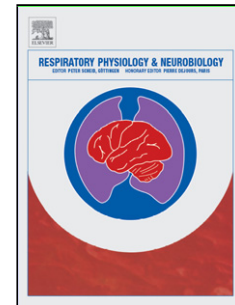


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Microstructural cerebral lesions are associated with the severity of central sleep apnea with Cheyne-Stokes-respiration in heart failure and are modified by PAP-therapy

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Highlights

- Novel MRI techniques now allow to detect even subtle microstructural cerebral lesions
- Microstructural cerebral lesions might contribute to the pathophysiology of CSA-CSR in HF
- In these patients PAP-therapy of CSA-CSR induces neuronal plasticity
- Future studies are urgently needed to understand the complex pathophysiology of CSA-CSR in HF

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