

Fichier non déposé

Dates et versions

hal-05040879 , **version 1** (20-04-2025)

Identifiants

HAL Id : **hal-05040879 , version 1**
DOI : **10.1183/23120541.00081-2025**

Citer



Dany Jaffuel, Erika Nogue, François Roubille, Jean-Pierre Mallet, Sébastien Bailly, et al.. Association of positive airway pressure adherence with use of antihypertensive drugs in patients with sleep apnoea. *ERJ Open Research*, 2025, pp.00081-2025. [\(10.1183/23120541.00081-2025\)](#). [\(hal-05040879\)](#).

Exporter

- BibTeX
- XML-TEI
- Dublin Core
- DC Terms
- EndNote
- DataCite

Collections

- UGA
- CNRS
- UNIV-MONTPELLIER

0
Consultations

0
Téléchargements

Altmetric



Partager



Article Dans Une Revue ERJ Open Research **Année : 2025**

Association of positive airway pressure adherence with use of antihypertensive drugs in patients with sleep apnoea

Dany Jaffuel (1, 2) , Erika Nogue , François Roubille (1, 2) , Jean-Pierre Mallet (1, 2) , Sébastien Bailly (3, 4) , François Goupil , Audrey Thomas , Carole Hervé , Philippe Masson , Acya Bizieux-Thaminy , Margaux Blanchard , Sandrine Kerbrat , Abdelkebir Sabil , Wojciech Trzepizur , Camille Roubille (1, 2) , Sarah Skinner , Arnaud Bourdin (1, 2) , Nicolas Molinari , Frédéric Gagnadoux

Afficher plus de détails

- 1 **PhyMedExp - Physiologie & médecine expérimentale du Cœur et des Muscles [U 1046]**
- 2 **CHRU Montpellier - Centre Hospitalier Régional Universitaire [Montpellier]**

- 3
- HP2 - Hypoxie : Physiopathologie Respiratoire et Cardiovasculaire
- 4
- HP2 - Hypoxie : Physiopathologie Respiratoire et Cardiovasculaire

Résumé en

Abstract Background The impact of Positive Airway Pressure (PAP) therapy on the use of oral antihypertensive drugs (OAHDs) in patients with obstructive sleep apnoea (OSA) remains unclear. This study aimed to evaluate the association between PAP use and the delivery of OAHDs. **Methods** Data from the Pays de la Loire Sleep Cohort were linked with the French health insurance database to quantify OAHD delivery in patients with hypertension at the initiation of PAP therapy. The primary endpoint was the change in OAHD score, reflecting the number of OAHD classes delivered. PAP use groups were defined as: termination, <4 hours/day, 4 to <6 hours/day, and ≥6 hours/day. **Results** The study included 2205 OSA patients (median [Q1-Q3] apnoea-hypopnea-index [AHI] of 39 [30–55] events/h), of whom 68% were male. The median age was 61 [54–68] years, BMI was 32.42 [28.95–36.43] kg/m², and Epworth score was 10 [6–13]. After one year of PAP, the mean (SD) OAHD score decreased from 2.16 (1.11) to 2.13 (1.18) with no significant difference between PAP use groups. Respectively, 11.93% and 11.07% of patients experienced a decrease or increase in OAHD score, with no significant difference between PAP use groups. Multivariate analysis revealed that an increase in OAHD score was significantly positively associated with age, calcium channel blocker and number of consultations. A decrease in OAHD score was significantly associated with baseline OAHD score, number of consultations, loop diuretics and decrease in Medication Possession Ratio. **Conclusion** PAP use is not associated with a change in OAHD score after one year. **SOURCE OF SUPPORT:** This study was supported by the Institut de Recherche en Santé Respiratoire (IRSR) des Pays de Loire.

Domaines

Sciences du Vivant [q-bio]

Liste complète des métadonnées

Dominique MORNET : [Connectez-vous pour contacter le contributeur](#)

<https://hal.science/hal-05040879>

Soumis le : dimanche 20 avril 2025-09:06:21

Dernière modification le : lundi 2 juin 2025-16:46:40



Contact

[Support](#)

Ressources

[Documentation](#)

[Formation](#)

[FAQ](#)

[API](#)

[OAI-PMH](#)

Informations

[À propos](#)

[Données personnelles](#)

[Mentions légales](#)

[Accessibilité](#)

[Conformité RGAA](#)

[AuréHAL](#)



Questions juridiques

- [Je publie, quels sont mes droits ?](#)
- [Loi pour une République numérique](#)
- [Stratégie de non-cession des droits](#)
- [SHERPA/RoMEO](#)

Portails

- [Portails institutionnels](#)
- [HAL](#)
- [HAL SHS](#)
- [HAL Thèses](#)
- [MédiHAL](#)

CCSD

- [CCSD](#)
- [Episciences](#)
- [Sciencesconf](#)