

Call of Abstracts - "International conference on the E-Cigarette: patterns of use and health impacts"



Call of abstracts

"International conference on the E-Cigarette: patterns of use and health impacts" - Paris, on 5-6th December 2022

Submission form

Poster & oral presentation

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Background information

Type of submission

Oral or poster

Theme of conference

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Abstract title

Factors associated with smoking cessation in exclusive smokers and dual users of e-cigarette and conventional cigarettes from CDTnet registry.

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Abstract details (poster & oral)

Background, method, results and conclusions

Background: Dual use of electronic cigarettes and conventional cigarettes may be a transitional state from tobacco use to smoking cessation. However, maintaining a dual use may increase the health risks associated with smoking. The aim of our study was to compare characteristics of dual users and factors predicting their one-month abstinence with those of exclusive smokers in French smoking cessation services (SCS).

Method: We studied retrospectively data from 5.116 smokers registered between 2015 and 2019 and

who attended at least 2 visits in SCS. We performed a 1:1 nearest-neighbor matching within propensity score calipers, to match exclusive smokers to dual users by age, sex, professional status and education level. Predictors of abstinence were assessed using a stepwise multivariate conditional logistic regression model adjusted on covariates for which associations had been significant in bivariate analysis.

Results: Exclusive smokers and dual users had similar one-month cessation rates, 37%. Compared to exclusive smokers, dual users presented more comorbidities, smoked less cigarettes per day than exclusive smokers but their level of nicotine dependence was higher. Factors positively associated with smoking cessation in dual users were: high level of education, being employed, high number of previous quit attempts, low nicotine dependence, high motivation to quit and high number of consultations.

Conclusions: Our results suggest that dual users seeking help to quit in SCS seem to benefit support as much as exclusive smokers to reach abstinence, despite high level of nicotine dependence and comorbidities. Further research, particularly qualitative research is needed on this specific group of smokers to provide tailored interventions.

Main messages

Public health campaigns should reinforce the communication on the risks of prolonged dual use of electronic cigarette and conventional cigarettes and encourage smoking cessation. Smoking cessation services might help dual users to achieve abstinence.

Type of study / research

Longitudinal

Geography of the study

Europe

Funding of study

Federal source

No

State source

No

Nonprofit Grant Funding Entity Source

Yes

Nonprofit Grant Funding Entity Source

Yes

Academic Institution Source

Yes

Pharmaceutical Industry Source

No

Tobacco/E-Cigarette Industry Source

No

Declaration of interest

The submitter declares that during the past 5 years have a direct nor indirect link (professional*, personal or financial) with the tobacco and e-cigarette companies**

No