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| **Clearing the Air: Patient disclosure of e-cigarette use and perceptions compared to cigarette smoking in pulmonary function testing** |
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| **Introduction/Aim:** Recording smoking history before a pulmonary function test (PFT) assesses smoking exposure and immediate effects on lung function.(1) Recently, an increase in cases of vaping-related lung injury (EVALI) has emerged.(2) Unlike cigarettes, e-cigarette (e-cig) or vaping history isn't consistently documented before PFTs. This study examines patient disclosure of e-cig use when asked about smoking history and their perception of e-cig use versus cigarette smoking.**Method:** Between July and October 2023, Nepean Lung and Sleep Clinic collected smoking histories from patients undergoing PFTs, per standard procedure. Patients were then asked if they had used e-cigs, their perception of e-cigs compared to smoking, and any additional remarks were noted.**Results:** Out of 425 respondents, the average age was 61 years (SD 16.64). There were 41 (9.64%) current smokers, 190 (44.71%) ex-smokers and 194 (45.65%) non-smokers. There were 9 (2.11%) current e-cig users, and 29 respondents (6.82%) had tried or used e-cigs in the past. There were 10 (2.35%) respondents who were unfamiliar with vaping. Among the 38 current or ex e-cig users, 13 (34.22%) reported no smoking history. 35.18% of all respondents did not view e-cig use as smoking, and 10% were uncertain. Additional comments were received from 136 respondents, over half of whom (53.67%) believed e-cigs to be worse than tobacco cigarettes.**Conclusion:** Prior to PFT, it's crucial to inquire about e-cig use for an accurate smoking history.**Key Words:** E-cigarette; Vaping; Smoking; Pulmonary function test; Lung function**References:**1. Brian L. Graham et al, American Thoracic Society Documents, 2019, 200, e76.2. Kathleen P. Hartnett et al, The New England Journal of Medicine, 2020, 382, 766-771.**Nomination for New Investigator Award:** N/A**Grant Support:** No |