

Fumo passivo in bar, ristoranti e discoteche della città di Firenze

G. GORINI, MARIA CRISTINA FONDELLI, MARIA JOSÈ LOPEZ**, JOAN SALLES*,
EULÀLIA SERRAHIMA*, FRANCESC CENTRICH*, ADELE SENIORI COSTANTINI, MANEL NEBOT**

UO Epidemiologia Ambientale Occupazionale - Centro per lo Studio e la Prevenzione Oncologica (CSPO) - Istituto Scientifico della Regione Toscana - Firenze

* Laboratori Agència de Salut Pública de Barcelona, España

** Agència de Salut Pública de Barcelona, España

KEY WORDS

Environmental tobacco smoke; nicotine; public places

SUMMARY

«Environmental tobacco smoke in hospitality industry in Florence, Italy». Background: "Environmental Tobacco Smoke (ETS) exposure in a sample of European cities" is the first European multicentre project intended to measure ETS exposure in public places in a number of European cities. **Objectives:** To present results of measurements of nicotine concentration in a number of bars, restaurants and discotheques in Florence, Italy. **Methods:** The ETS marker was vapour-phase nicotine sampled by passive monitors. At least two monitors were placed in each of seven bars (five in hospitals; one at an airport; one at a railway station), and seven restaurants (three with smoking and non-smoking sections), and left in place for several days. In each of four discotheques two nicotine passive monitors were used as personal samplers. **Results:** The average nicotine concentration in discotheques, restaurants and bars was respectively $26.78 \mu\text{g}/\text{m}^3$, $2.32 \mu\text{g}/\text{m}^3$ and $0.83 \mu\text{g}/\text{m}^3$. In the smoking section of restaurants with separated areas for smokers and non-smokers the average nicotine concentration was $2.54 \mu\text{g}/\text{m}^3$, which was similar to that measured in non-smoking sections ($2.14 \mu\text{g}/\text{m}^3$).

Pervenuto il 5.5.2003 - Accettato il 13.6.2003

Corrispondenza: Giuseppe Gorini, UO Epidemiologia Ambientale e Occupazionale, Centro per lo Studio e la Prevenzione Oncologica (CSPO), Via di S. Salvi 12, 50135 Firenze - Tel. 055.6263.707/706 - Fax 055.6263905/ 055.679954

E-mail: g.gorini@cspo.it