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href="http://deplazio.net/it/home/3-articoli/123-tumori-al-polmone-conferma-del-legame-diretto-c
on-linquinamento">In Europe, during the past five years, the ESCAPE
(European Study of Cohorts for Air Pollution) study has been conducted, with the aim of
analyzing the chronic effects of air pollution on health.</p> <p>The study, coordinated by the
University of Utrecht, has involved three cities in Italy: Rome, Turin and Varese.</p> <p>The
Department of Epidemiology of the Lazio Regional Health Service has coordinated, as part of
the project, studies on cardiovascular outcomes, such as the incidence of acute coronary
events and cerebrovascular events, and it has conducted, in Rome and Turin, measurement
campaigns of pollutants as well as epidemiological analyses on the SIDRIA cohorts.</p>

<p>The first results, published in Lancet Oncology (http://www.thelancet.com/journals/
lanonc/article/PIIS1470-2045(13)70279-1/abstract), show that prolonged exposure to air
pollution increases the risk of lung cancer, even at levels below the limits set by the European
Union, and confirm those already published in the Roman Longitudinal Study (Cesaroni et al.
EHP 2013).</p> <p>The study on the incidence of lung cancer was performed using cohorts of
9 European countries (Sweden, Norway, Denmark, Netherlands, United Kingdom, Austria,
Spain, Greece and Italy), on more than 300,000 subjects, and showed that for each increase of
5 $\mu\text{g}/\text{m}^3$ of PM_{2.5}, the risk of lung cancer increases by 18%, and by 22% in every increase of
10 $\mu\text{g}/\text{m}^3$ of PM₁₀.</p> <p>The results confirm those already published in the Roman
Longitudinal Study (Cesaroni et al. EHP 2013), which had shown a higher mortality from lung
cancer with the increment of chronic exposure to fine particulates and nitrogen dioxide.</p>

<p>♦</p> <p>To know more:</p> <a

href="http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(13)70279-1/abstract"
target="_blank">Abstract dello studio Studio
Longitudinale Romano Intervista del PI: Ole Raaschou-Nielsen discusses the

association between long-term exposure to ambient air pollution and lung cancer risk. <a
href="http://download.thelancet.com/flatcontentassets/audio/lanonc/2013/lanonc_10july.mp3"
target="_blank">(mp3, 04:38 mins, 4.24Mb) <a

href="http://www.corriere.it/salute/sportello_cancro/13_luglio_09/inquinamento-tumore-polmoni_
282ca7e2-e8a9-11e2-ae02-fcb7f9464d39.shtml" target="_blank">Corriere della Sera del 9
luglio 2013 Progetto

ESCAPE