

**Additional References Provided by EPA/ORIA as Requested by SAB/RAC on
Smoking Lung Cancer Interactions 11/22/06**

David Brenner, U.S. EPA/ORIA provides an overview of the literature on the interaction of smoking with radiation exposure on lung cancer that is available at:

<http://www.cdc.gov/niosh/ocas/pdfs/irep/1005mod/enclose7.pdf>

Please compare this to the list of references given below.

References on Smoking and Radiation:

Gilbert ES, Stovall M, Gospodarowicz M, Van Leeuwen FE, Andersson M, et al., 2003. Lung cancer after treatment for Hodgkin's disease: focus on radiation effects. *Radiat Res* **159**, 161-173.

Gilbert ES, Koshurnikova NA, Sokolnikov ME, Shilnikova NS, Preston DL, et al. 2004. Lung cancer in Mayak workers. *Radiat Res* **162**: 505-516.

Land CE, Shimosato Y, Saccomano G, Tokuoka S, Auerbach O, et al, 1993. Radiation associated lung cancer: A comparison of the histology of lung cancers in uranium miners and survivors of the atomic bombings of Hiroshima and Nagasaki. *Radiat Res* **134**: 234-243.

Mabuchi K, Radiation, smoking and lung cancer, 1991. RERF Update 3(4): 7-8; available at <http://rerf.jp/eigo/rerfupda/death/radiat.htm>

Pierce DA, GB Sharp and K Mabuchi. 2003. Joint effects of radiation and smoking on lung cancer risk among atomic bomb survivors. *Radiat Res* **159**: 511-520.

Thomas D, Pogoda B, Langholz B, and W Mack. 1994. Temporal modifiers of the radon-smoking interaction. *Health Phys* 66, 257-262. Erratum, 1995: *Health Phys* 67, 675.

Early articles on the smoking radiation interaction for A-bomb survivors:

Kopecky KJ, Nakashima E, Yamamoto T, and H Kato. 1986. Lung cancer, radiation and smoking among A-bomb survivors, Hiroshima and Nagasaki. Hiroshima, Japan: Radiation Effects Research Foundation.

Prentice RL, Yoshimoto Y, and M Mason. 1986. Relationship of cigarette smoking and radiation exposure to cancer mortality in Hiroshima and Nagasaki, *J Natl Cancer Inst* **70**: 611-622.

FYI: the following article is also provided, and is based on an analysis using the two-step clonal expansion model:

Jacob V, Jacob P, Meckbach R, Romanov SA, and EK Vailenko, 2005. Lung cancer in Mayak workers: interaction of smoking and plutonium exposure. *Radiat Environ Biophys* 44(2): 119-129.