

**COMMITTEE ON THE MEDICAL EFFECTS OF AIR POLLUTANTS**

**KEY PAPERS ON THRESHOLDS FOR OZONE AND LUNG FUNCTION**

1. The attached key papers have been quoted in COMEAP/2002/12A with regard to thresholds for ozone and lung function:

Brauer M *et al* (1996). Effect of ambient ozone exposure on lung function in farm workers. *Am J Respir Crit Care Med* 154:981-987.

Braun-Farländer Ch *et al* (1994). Acute effects of ambient ozone on respiratory function of Swiss schoolchildren after a 10-minute heavy exercise. *Pediatr Pulmonol* 17:169-177.

Brunekreef B *et al* (1994). Respiratory effects of low-level photochemical air pollution in amateur cyclists. *Am J Respir Crit Care Med* 150:962-966.

Castillejos M *et al* (1995). Acute effects of ozone on the pulmonary functions of exercising schoolchildren from Mexico City. *Am J Respir Crit Care Med* 152:1501-1507.

Cuijpers CEJ *et al* (1995). Acute respiratory effects of low level summer smog in primary school children. *Eur Respir J* 8:967-975.

Higgins BG *et al* (1995). Effects of air pollution on symptoms and peak expiratory flow measurements in subjects with obstructive airways disease. *Thorax* 50:149-155.

Higgins ITT *et al* (1990). Effect of exposure to ambient ozone on ventilatory lung function in children. *Am Rev Respir Dis* 141:1136-1146.

Jalaludin BB *et al* (2000). Acute effects of low levels of ambient ozone on peak expiratory flow rate in a cohort of Australian children. *Int J Epidemiol* 29:549-557.

Kinney RL *et al* (1989). Short-term pulmonary function change in association with ozone levels. *Am Rev Respir Dis* 139:56-61.

Korrick SA *et al* (1998). Effects of ozone and other pollutants on the pulmonary function of adult hikers. *Environ Health Perspect* 106:93-99.

Larsen RI *et al* (1991). An air quality data analysis system for interrelating effects, standards and needed source reductions; Part 11. A lognormal model relating human lung function decrease to O<sub>3</sub> exposure. *J Air Waste Manage Assoc* 41:455-459.

Naeher LP *et al* (1999). Healthy women's PEF variations with ambient summer concentrations of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>4</sub><sup>2-</sup>, H<sup>+</sup> and O<sub>3</sub>. Am J Respir Crit Care Med 160:117-125.

Spektor DM *et al* (1988). Effects of ambient ozone on respiratory function in active, normal children. Am Rev Respir Dis 137:313-320.

Thurston GD *et al* (1997). Summertime haze air pollution and children with asthma. Am J Respir Crit Care Med 155:654-660.

2. These papers are provided for Members' interest.

COMEAP Secretariat  
October 2002