

Henry Gong, Jr., M.D.

Contributions to Public Health and Improvement in Air Quality

September 27, 2007



Air Resources Board

California Environmental Protection Agency

Henry Gong, Jr., M.D.

May 23, 1947 – August 17, 2007



- Physician
- Researcher
- Advocate for clean air

Education and Professional Activities

- BA, University of the Pacific, 1969
- MD, University of California at Davis, 1973
- Professor and Actively Practicing Physician
 - UCLA Medical Center, 1977 – 1993
 - Rancho Los Amigos National Rehabilitation Center, 1992 – 2007
 - USC Keck School of Medicine, 1992 – 2007
- More than 250 publications

Research Contributions

UCLA

- Effects of ozone on simulated race performance in international level cyclists
 - Slower race times
 - Decreased lung function
 - Increased symptoms
 - Bronchodilator treatment did not prevent ozone-induced effects

Research Contributions

Rancho Los Amigos

- Responses to ozone in asthmatics similar to non-asthmatics
 - Responses decrease with repeated daily exposures
 - Responses return to baseline when exposures cease
- In cardiac patients, ozone exposure can
 - Make the heart work harder
 - Alter oxygen exchange across the lung membranes
- COPD patients exposed to ozone had
 - Lung function responses to ozone similar to healthy adults
 - Greater risk of adverse responses due to reduced baseline lung function

Research Contributions (con't)

Rancho Los Amigos

- Age-related lung function decline was not related to responsiveness to ozone
- Longer-term exposure to concentrated ambient particles required to induce adverse effects

Advocate for Clean Air

- Member of U.S. EPA's Clean Air Scientific Advisory Committee for ozone and PM
- Awards
 - U.S. EPA
 - Coalition for Clean Air
 - South Coast Air Quality Management District
 - American Lung Association

Advocate for Clean Air (con't)



Member, California Air Resources Board
Appointed August 2004

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1947 - 2007

