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1. Auerbach, O., Gere, J.B., Pawlowski, J.M., Garfinkel, L. The rate of healing of pulmonary tuberculosis as affected by chemotherapy. *Am Rev Tuberc* 76: 988-1001, 1957.
2. Garfinkel, L., Ringel, A. The Arizona cancer registry. *Ariz Med* 15: 380-383, 1958.
3. Garfinkel, L., Craig, L., Seidman, H. An appraisal of left and right breast cancer. *J Natl Cancer Inst* 23: 617-631, 1959.
4. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Microscopic examination of bronchial epithelium in children. *Am Rev Resp Dis* 82: 640-648, 1960.
5. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Changes in the bronchial epithelium in relation to cigarette smoking and in relation to lung cancer. *N Engl J Med* 265: 253-267, 1961.
6. Hammond, E.C., Garfinkel, L. Smoking habits of men and women. *J Natl Cancer Inst* 27: 419-442, 1961.
7. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Bronchial epithelium in former smokers. *N Engl J Med* 267: 119-125, 1962.
8. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Changes in bronchial epithelium in relation to sex, age, residence, smoking, pneumonia. *N Engl J Med* 267: 111-118, 1962.
9. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Changes in the tracheobronchial tree in connection with cigarette smoking. In: *Tobacco and Health*, G. James and T. Rosenthal (Editors). Springfield, IL: Charles C. Thomas, 1962, pp. 136-143.
10. Seidman, H., Garfinkel, L., Craig, L. Death rates in New York City by socioeconomic class and religious group, and by country of birth, 1949-1951. *Jewish J Soc* 4: 254-272, 1962.
11. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Smoking habits and age in relation to pulmonary changes. Rupture of alveolar septums, fibrosis and thickening of walls of small arteries and arterioles. *N Engl J Med* 269: 1045-1054, 1963.
12. Garfinkel, L. Several studies show higher death rates for smokers than for non-smokers. *Public Health News N J Dept Health* 44: 211-214, 1963.
13. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Changes in bronchial epithelium in relation to smoking habits. *Acta-Unio Internationalis Contra Cancrum* XX(3): 732-737, 1964.
14. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Interrelationships among various histologic changes in bronchial tubes and in lung parenchyma. *Am Rev Resp Dis* 90: 867-876, 1964.
15. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Rauchen and Lungkrebs. *Fortschr Med* 82 JG., Nr. 11: 405-408, 1964.
16. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. The role of smoking in the development of lung cancer. *Proc 5th Nat Cancer Conf* 497-501, 1964.
17. Hammond, E.C., Garfinkel, L. Changes in cigarette smoking. *J Natl Cancer Inst* 33: 49-64, 1964.
18. Auerbach, O., Hammond, E.C., Garfinkel, L. Smoking in relation to atherosclerosis of the coronary arteries. *N Engl J Med* 273: 775-779, 1965.
19. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Histologic changes in the esophagus in relation to smoking habits. *Arch Environ Health* 2: 4-15, 1965.
20. Gellin, G.A., Kopf, A.W., Garfinkel, L. Basal cell epithelioma. *Arch Dermatol* 91: 38-45, 1965.

21. Lightstone, A.C., Kopf, A.W., Garfinkel, L. Diagnostic accuracy—a new approach to its evaluation. *Arch Derm* 91: 497-502, 1965.
22. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Histologic evidence of emphysema and other pulmonary changes in relation to smoking. *Post Med* 40: 95-100, 1966.
23. Hammond, E.C., Garfinkel, L. The influence of health on smoking habits. *Epidemiological Approaches to the Study of Cancer and Other Chronic Diseases*, W. Haenszel (Editor). National Cancer Institute Monograph No. 19. Bethesda, MD: U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health, 1966, pp. 269-285.
24. Auerbach, O., Hammond, E.C., Kirman, D., Stout, A.P., Garfinkel, L. Histologic changes in bronchial tubes of cigarette smoking dogs. *CA Cancer J Clin* 20: 2055-2066, 1967.
25. Auerbach, O., Kirman, D., Hammond, E.C., Garfinkel, L. Production of emphysema in dogs by cigarette smoking. *JAMA* 199: 241-246, 1967.
26. Auerbach, O., Stout, A.P., Hammond, E.C., Garfinkel, L. Multiple primary bronchial carcinoma. *Cancer* 20: 699-705, 1967.
27. Garfinkel, L. Changes in cigarette smoking habits among physicians, 1959-1965. *CA Cancer J Clin* 17(4): 193-195, 1967.
28. Lieb, N.D., Silverman, S.I., Garfinkel, L. An analysis of soft tissue contours of the lip in relation to the maxillary cuspids. *J Prosthet Dent* 18: 292-303, 1967.
29. Auerbach, O., Hammond, E.C., Garfinkel, L. Thickening of walls of arterioles and small arteries in relation to age and smoking habits. *N Engl J Med* 278: 980-984, 1968.
30. Garfinkel, L. The association between cigarette smoking and coronary heart disease and other cardiovascular diseases. *Bull N Y Acad Med* 44: 1495-1501, 1968.
31. Hammond, E.C., Garfinkel, L. Changes in cigarette smoking, 1959-1965. *Am J Public Health* 58: 30-45, 1968.
32. Hammond, E.C., Garfinkel, L. Coronary heart disease, stroke, and aortic aneurysm. *Arch Environ Health* 19: 167-182, 1969.
33. Auerbach, O., Hammond, E.C., Garfinkel, L. Histologic changes in the larynx in relation to smoking habits. *Cancer* 25: 82-104, 1970.
34. Hammond, E.C., Auerbach, O., Kirman, D., Garfinkel, L. Effects of cigarette smoking on dogs. I. Design of experiment, mortality and findings in lung parenchyma. II. Pulmonary neoplasms. *Arch Environ Health* 21: 740-768, 1970.
35. Stolman, L.P., Kopf, A.W., Garfinkel, L. Are palmar keratoses a sign of internal malignancy? *Arch Dermatol* 101: 52-55, 1970.
36. Hammond, E.C., Auerbach, O., Kirman, D., Garfinkel, L. Effects of cigarette smoking on dogs. *CA Cancer J Clin* 21: 78-94, 1971.
37. Hammond, E.C., Auerbach, O., Kirman, D., Garfinkel, L. Thickness of walls of myocardial arterioles in relation to smoking and age. Findings in men and dogs. *Arch Environ Health* 22: 20-27, 1971.
38. Hammond, E.C., Garfinkel, L., Seidman, H. Longevity of parents and grandparents in relation to coronary heart disease and associated variables. *Circulation* 43: 31-44, 1971.
39. Litvak, H., Silverman, S.I., Garfinkel, L. Oral stereognosis in dentulous and edentulous subjects. *J Prosthet Dent* 25(3): 139-151, 1971.
40. Auerbach, O., Hammond, E.C., Garfinkel, L., Benante, C. Relation of smoking and age to emphysema. Whole-lung section study. *N Engl J Med* 286: 853-857, 1972.
41. Kantor, M.E., Silverman, S.I., Garfinkel, L. Centric relation recording techniques—a comparative investigation. *J Prosthet Dent* 28: 593-600, 1972.

42. Calagna, L.J., Silverman, S.I., Garfinkel, L. Influence of neuro-muscular conditioning on centric relation registrations. *J Prosthet Dent* 30: 598-604, 1973.
43. Hoffman, J., Silverman, S.I., Garfinkel, L. Comparison of condylar position in centric relation and in centric occlusion in dentulous subjects. *J Prosthet Dent* 30: 582-588, 1973.
44. Mashberg, A., Morrissey, B., Garfinkel, L. A study of the appearance of early asymptomatic oral squamous cell carcinoma. *Cancer* 32: 1436-1445, 1973.
45. Auerbach, O., Hammond, E.C., Garfinkel, L. Relation of smoking and age to findings in lung parenchyma: A microscopic study. *Chest* 65: 29-35, 1974.
46. Garfinkel, L., Hammond, E.C. Breast cancer and hypertension. *The Lancet* 2: 1381, 1974.
47. Percy, C., Garfinkel, L., Krueger, D.E., Dolman, A.B. Apparent changes in cancer mortality, 1968. A study of the effects of the introduction of the Eighth Revision, International Classification of Diseases. *Public Health Rep* 89: 418-428, 1974.
48. Auerbach, O., Garfinkel, L., Parks, V.R. Histologic type of lung cancer in relation to smoking habits, year of diagnosis and sites of metastasis. *Chest* 67: 382-387, 1975.
49. Garfinkel, L. Research methodology: What the clinician should know. *CA Cancer J Clin* 25: 58-61, 1975.
50. Hammond, E.C., Garfinkel, L. Aspirin and coronary heart disease: Findings in a prospective study. *Br Med J* 1: 269-271, 1975.
51. Auerbach, O., Carter, H.W., Garfinkel, L., Hammond, E.C. Cigarette smoking and coronary artery disease. A macroscopic and microscopic study. *Chest* 70: 697-705, 1976.
52. Ehrenreich, T., Porush, T.G., Churg, J., Garfinkel, L., Glabman, S., Goldstein, M.H., Grishman, E., Yunis, S.L. Treatment of idiopathic membranous nephropathy. *N Engl J Med* 295: 741-746, 1976.
53. Garfinkel, L. Cigarette smoking among physicians and other health professionals, 1959-1972. *CA Cancer J Clin* 26: 373-375, 1976.
54. Garfinkel, L. Methodology for determining beneficial effect of less harmful cigarettes on lung cancer risk. *Proceedings of 3rd World Conference on Smoking and Health. Vol. 1, Modifying the Risk for the Smoker.* DHEW Publication No. 76-1221. Rockville, MD: U.S. Department of Health, Education and Welfare, 1976, pp. 119-124.
55. Hammond, E.C., Garfinkel, L., Seidman, H., Lew, E.A. "Tar" and nicotine content of cigarette smoke in relation to death rates. *Environ Res* 12: 263-274, 1976.
56. Light, J., Silverman, S.I., Garfinkel, L. The use of an intraoral training aid in the speech rehabilitation of laryngectomy patients. *J Prosthet Dent* 35(4): 430-440, 1976.
57. Silverman, S., Silverman, S.I., Silverman, B., Garfinkel, L. Self-image and its relation to denture acceptance. *J Prosthet Dent* 35: 131-141, 1976.
58. Auerbach, O., Hammond, E.C., Selikoff, I.J., Parks, V.R., Kaslow, H.D., Garfinkel, L. Asbestos bodies in lung parenchyma in relation to ingestion and inhalation of mineral fibers. *Environ Res* 14: 286-304, 1977.
59. Auerbach, O., Saccomanno, G., Kuschner, M., Brown, R.D., Garfinkel, L. Histologic findings in the tracheobronchial tree of uranium miners and non-miners with lung cancer. *Cancer* 42: 483-489, 1978.
60. Garfinkel, L. Benefits of stopping smoking. *Prevention and Detection of Cancer. Part I—Prevention, Vol. 1.* New York: Marcel Dekker, 1978, pp. 777-779.
61. Hammond, E.C., Garfinkel, L., Lew, E.A. Longevity, selective mortality and competitive risks in relation to chemical carcinogenesis. *Environ Res* 16: 153-173, 1978.

62. Mashberg, A., Garfinkel, L. Early diagnosis of oral cancer: The erythroplastic lesion in high risk areas. *CA Cancer J Clin* 28: 297-303, 1978.
63. Auerbach, O., Garfinkel, L., Parks, V.R. Scar cancer of the lung: Increase over a 21-year period. *Cancer* 43: 636-642, 1979.
64. Auerbach, O., Hammond, E.C., Garfinkel, L. Changes in bronchial epithelium in relation to cigarette smoking, 1955-1960 vs. 1970-1977. *N Engl J Med* 300: 381-386, 1979.
65. Garfinkel, L. Cardiovascular mortality and cigarette smoking. *World Smoking and Health* 4: 42-45, 1979.
66. Garfinkel, L. Changes in cigarette consumption of smokers in relation to changes in tar/nicotine content of cigarettes smoked. *Am J Public Health* 69: 1274-1276, 1979.
67. Garfinkel, L. Classification of data in research. *CA Cancer J Clin* 29: 2-5, 1979.
68. Hammond, E.C., Garfinkel, L., Selikoff, I.J., Nicholson, W.J. Mortality experience of residents in the neighborhood of an asbestos factory. *Ann N Y Acad Sci* 330: 417-422, 1979.
69. Kripke, D.F., Simons, R.N., Garfinkel, L., Hammond, E.C. Short and long sleep and sleeping pills. Is increased mortality associated? *Arch Gen Psychiatry* 36: 103-116, 1979.
70. Lew, E.A., Garfinkel, L. Variations in mortality by weight among 750,000 men and women. *J Chron Dis* 32: 536-576, 1979.
71. Rickert, R., Auerbach, O., Garfinkel, L., Hammond, E.C., Frasca, J.M. Adenomatous lesions of the large bowel. *Cancer* 43: 1847-1856, 1979.
72. Silling, G., Rauch, M.A., Pentel, L., Halberstadt, G., Garfinkel, L. The significance of cephalometrics in treatment planning. *Angle Ortho* 49: 259-262, 1979.
73. Auerbach, O., Conston, A., Garfinkel, L., Parks, V.R., Kaslow, H.D., Hammond, E.C. Presence of asbestos bodies in organs other than the lung. *Chest* 77: 133-137, 1980.
74. Auerbach, O., Garfinkel, L. Atherosclerosis and aneurysm of aorta in relation to smoking habits and age. *Chest* 78: 805-809, 1980.
75. Auerbach, O., Hammond, E.C., Garfinkel, L. Changes in bronchial epithelium: Then and now. In: *Banbury Report 3: A Safe Cigarette?* Cold Spring Harbor, NY: Cold Spring Harbor Laboratory, 1980, pp. 19-28.
76. Garfinkel, L. Cancer mortality in nonsmokers: Prospective study by the American Cancer Society. *J Natl Cancer Inst* 65: 1169-1173, 1980.
77. Garfinkel, L. Changes in number of cigarettes smoked compared to changes in tar and nicotine content over a 13-year period. In: *Banbury Report 3: A Safe Cigarette?* Cold Spring Harbor, NY: Cold Spring Harbor Laboratory, 1980, pp. 141-154.
78. Garfinkel, L. The impact of low tar/nicotine cigarettes. *World Smoking Health* 5: 4-8, 1980.
79. Garfinkel, L., Poindexter, C.E., Silverberg, E. Cancer in black Americans. *CA Cancer J Clin* 30(1): 39-44, 1980.
80. Hammond, E.C., Garfinkel, L. General air pollution and cancer in the United States. *Prev Med* 9: 206-211, 1980.
81. Phillips, R.L., Garfinkel, L., Kuzma, J.W., Beeson, W.L., Lotz, J., Brin, B. Mortality among California Seventh-Day Adventists for selected cancer sites. *J Natl Cancer Inst* 65: 1109-1114, 1980.
82. Auerbach, O., Garfinkel, L. Myocardial mural arterial fibrosis and cigarette smoking: A comparative study, 1955-1960 versus 1970-1977. *Bull N Y Acad Med* 57: 759-775, 1981.
83. Garfinkel, L. Time trends in lung cancer mortality among nonsmokers and a note on passive smoking. *J Natl Cancer Inst* 66(6): 1061-1066, 1981.
84. Garfinkel, L. A tribute to Harold S. Diehl, MD (1891-1973); changing patterns of smoking and disease. *CA Cancer J Clin* 31: 114-119, 1981.



85. Lee, P.N., Garfinkel, L. Mortality and type of cigarette smoked. *J Epid Community Health* 35: 16-22, 1981.
86. Mashberg, A., Garfinkel, L., Harris, S. Alcohol as a primary factor in oral squamous carcinoma. *CA Cancer J Clin* 31: 146-155, 1981.
87. Garfinkel, L., Sarokhan, B. Trends in brain cancer tumor mortality in the United States. *Ann N Y Acad Sci* 381: 1-5, 1982.
88. Auerbach, O., Garfinkel, L., Parks, V.R., Conston, A.S., Galdi, V.A., Joubert, L. Histologic type of lung cancer and asbestos exposure. *Cancer* 54: 3017-3021, 1984.
89. Garfinkel, L. Cigarette smoking and coronary heart disease in blacks: Comparison to whites in a prospective study. *Am Heart J* 108: 802-807, 1984.
90. Garfinkel, L. Passive smoking and cancer—American experience. *Prev Med* 13: 691-697, 1984.
91. Kripke, D.F., Garfinkel, L. Excess nocturnal deaths related to sleeping pill and tranquilizer use. *The Lancet* 1: 99, 1984.
92. Stellman, S.D., Garfinkel, L. Cancer mortality among woodworkers. *Am J Ind Med* 5: 343-357, 1984.
93. Garfinkel, L. Overweight and cancer. *Ann Intern Med* 103: 1034-1036, 1985.
94. Garfinkel, L. Selection, follow-up, and analysis in the American Cancer Society prospective studies. *Natl Cancer Inst Monogr* 67: 49-52, 1985.
95. Garfinkel, L., Auerbach, O., Joubert, L. Involuntary smoking and lung cancer: A case control study. *J Natl Cancer Inst* 75: 463-469, 1985.
96. Lew, E.A., Garfinkel, L. Mortality at age 65 and over in a middleclass population. *Trans Soc Act* 36: 257-295, 1985.
97. Auerbach, O., Garfinkel, L. Histologic changes in pancreas in relation to smoking and coffee-drinking habits. *Digest Dis Sci* 31: 1014-1020, 1986.
98. Garfinkel, L. Cancer epidemiology. In: *Fundamentals of Surgical Oncology*. R.J. McKenna and G.P. Murphy (Editors). New York: MacMillan, 1986, pp. 28-39.
99. Garfinkel, L. Overweight and mortality. *Cancer* 58: 1826-1829, 1986.
100. Garfinkel, L., Stellman, S.D. Cigarette smoking among physicians, dentists, and nurses. *CA Cancer J Clin* 36: 2-8, 1986.
101. Kuller, L.H., Garfinkel, L., Correa, P., Haley, N., Hoffman, D., Preston-Martin, S., Sandler, D. Contribution of passive smoking to respiratory cancer. *Environ Health Perspect* 70: 57-69, 1986.
102. Stellman, S.D., Garfinkel, L. Artificial sweetener use and one-year weight change among women. *Prev Med* 15: 195-202, 1986.
103. Stellman, S.D., Garfinkel, L. Smoking habits and tar levels in a new American Cancer Society prospective study of 1.2 million men and women. *J Natl Cancer Inst* 76: 1057-1063, 1986.
104. Garfinkel, L. Cancer clusters. *CA Cancer J Clin* 37: 20-25, 1987.
105. Lew, E.A., Garfinkel, L. Differences in mortality and longevity by sex, smoking habits and health status. *Trans Soc Act* 39: 19-37, 1987.
106. Boffetta, P., Stellman, S.D., Garfinkel, L. Diesel exhaust exposure and mortality among males in the American Cancer Society prospective study. *Am J Ind Med* 14: 408-415, 1988.
107. Garfinkel, L., Boffetta, P., Stellman, S.D. Alcohol and breast cancer: A cohort study. *Prev Med* 17: 686-693, 1988.
108. Garfinkel, L., Stellman, S.D. Mortality by relative weight and exercise. *Cancer* 62: 1844-1850, 1988.
109. Garfinkel, L., Stellman, S.D. Smoking and lung cancer in women: Findings in a prospective study. *Cancer Res* 48: 6951-6955, 1988.

110. Stellman, S.D., Boffetta, P., Garfinkel, L. Smoking habits of 800,000 American men and women in relation to their occupations. *Am J Ind Med* 13: 43-58, 1988.
111. Auerbach, O., Garfinkel, L. Histologic change in the urinary bladder in relation to cigarette smoking and use of artificial sweeteners. *Cancer* 64: 983-987, 1989.
112. Boffetta, P., Stellman, S.D., Garfinkel, L. A case-control study of multiple myeloma nested in the American Cancer Society prospective study. *Int J Cancer* 43: 554-559, 1989.
113. Garfinkel, L., La Verda, N. Dietary patterns in nurses. *Proceedings of the 5th National Conference on Cancer Nursing*. New York: American Cancer Society, 1989.
114. Stellman, S.D., Garfinkel, L. Lung cancer risk is proportional to cigarette tar yield: Evidence from a prospective study. *Prev Med* 18: 515-525, 1989.
115. Stellman, S.D., Garfinkel, L. Proportion of cancer deaths attributable to cigarette smoking in women. *Women Health* 15: 19-28, 1989.
116. Boffetta, P., Garfinkel, L. Alcohol drinking and mortality among men enrolled in an American Cancer Society prospective study. *Epidemiology* 1: 242-248, 1990.
117. Garfinkel, L. The environment and cancer. Putting the risks into perspective. (Editorial.) *CA Cancer J Clin* 40: 261-263, 1990.
118. Garfinkel, L., Boffetta, P. Association between smoking and leukemia in two American Cancer Society prospective studies. *Cancer* 65: 2356-2360, 1990.
119. Garfinkel, L., Boffetta, P. Smoking and estrogen-related studies. Data from American Cancer Society studies. In: *Smoking and Hormone-Related Disorders*, N. Wald and J. Baron (Editors). London: Oxford University Press, 1990.
120. Garfinkel, L., Silverberg, E. Lung cancer and smoking trends in the United States over the past 25 years. *Ann N Y Acad Sci* 609: 146-158, 1990.
121. Lew, E.A., Garfinkel, L. Cancer. In: *Medical Risks—Trends in Mortality by Age and Time Elapsed: A Reference Volume*, E.A. Lew and J. Gajewski. (Editors.) New York: Praeger, 1990.
122. Lew, E.A., Garfinkel, L. Mortality at ages 75 and older in the Cancer Prevention Study (CPS I). *CA Cancer J Clin* 40: 210-224, 1990.
123. Auerbach, O., Garfinkel, L. The changing pattern of lung carcinoma. *Cancer* 68: 1973-1977, 1991.
124. Garfinkel, L. Cancer statistics and trends. (Chapter 1.) In: *American Cancer Society Textbook of Clinical Oncology*, A.I. Holleb, D.J. Fink, and G.P. Murphy. (Editors.) Atlanta, GA: American Cancer Society, 1991, pp. 1-6.
125. Garfinkel, L. The epidemiology of cancer in black Americans. *Stat* 72: 11-17, 1991.
126. Garfinkel, L. Nutrition and cancer: Current status. (Editorial.) *CA Cancer J Clin* 41: 325-327, 1991.
127. Garfinkel, L., Silverberg, E. Lung cancer and smoking trends in the United States over the past 25 years. *CA Cancer J Clin* 41: 137-145, 1991.
128. Menck, H.R., Garfinkel, L., Dodd, G.D. Preliminary report of the National Cancer Data Base. *CA Cancer J Clin* 41: 7-18, 1991.
129. Boffetta, P., Mashberg, A., Winkelman, R., Garfinkel, L. Carcinogenic effect of tobacco smoking and alcohol drinking on anatomic sites of the oral cavity and oropharynx. *Int J Cancer* 52: 530-533, 1992.
130. Istvan, J.A., Cunningham, T.W., Garfinkel, L. Cigarette smoking and body weight in the Cancer Prevention Study I. *Int J Epidemiol* 21: 849-853, 1992.
131. Lee, P.Y., Silverman, M.K., Rigel, D.S., Vossaert, K.A., Kopf, A.W., Bart, R.S., Garfinkel, L., Levenstein, M.J. Level of education and the risk of malignant melanoma. *J Am Acad Dermatol* 26: 59-63, 1992.

132. Thun, M.J., Calle, E.E., Namboodiri, M.M., Flanders, W.P., Coates, R.J., Byers, T., Boffetta, P., Garfinkel, L., Heath, C.W. Risk factors for fatal colon cancer in a large prospective study. *J Natl Cancer Inst* 84: 1491-1500, 1992.
133. Garfinkel, L. Current trends in breast cancer. (Editorial.) *CA Cancer J Clin* 43: 5-6, 1993.
134. Garfinkel, L. The National Cancer Data Base: A cancer treatment resource. (Editorial.) *CA Cancer J Clin* 43: 69-70, 1993.
135. Mashberg, A., Boffetta, P., Winkelman, R., Garfinkel, L. Tobacco smoking, alcohol drinking and cancer of the oral cavity and oropharynx among U.S. veterans. *Cancer* 72: 1369-1375, 1993.
136. Smart, C.R., Hartman, W.H., Beahrs, O.H., Garfinkel, L. Insights into breast cancer screening of younger women. Evidence from the 14-year followup of the Breast Cancer Detection Demonstration Project. *Cancer* 72(Suppl): 1449-1456, 1993.
137. Garfinkel, L. Evaluating cancer statistics. (Editorial.) *CA Cancer J Clin* 44: 5-6, 1994.
138. Garfinkel, L., Boring, C.C., Heath, C.W., Jr. Changing trends. An overview of breast cancer incidence and mortality. *Cancer* 74: 222-227, 1994.
139. Garfinkel, L., Mushinski, M. Cancer incidence, mortality and survival: Trends in four leading sites. *Stat* 75: 19-27, 1994.
140. Garfinkel, L. Cancer statistics and trends. In: *American Cancer Society Textbook of Clinical Oncology, Second Edition*, G.P. Murphy, W. Lawrence, Jr., and R.E. Lenhard. (Editors.) Atlanta, GA: American Cancer Society, 1995, pp. 1-9.
141. Garfinkel, L. Perspectives on cancer prevention. *CA Cancer J Clin* 45: 5-7, 1995.
142. Garfinkel, L. Probability of developing or dying of cancer. United States, 1991. *Stat* 76: 31-37, 1995.
143. Pion, I.A., Rigel, D.S., Garfinkel, L., Silverman, M.K., Kopf, A.W. Occupation and the risk of melanoma. *Cancer* 75(Suppl): 637-644, 1995.

