

## The Mountain-Whisper-Light Statistics

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### ***EXPRESS VERSION OF CV HERE—FULL VERSION FOLLOWS ON THE NEXT PAGE***

Nayak L. Polissar, Ph.D.

Personal statement: I have been involved with biomedical and environmental research for many years. I do hope that this effort will ease some pain, improve well-being and save some lives. I enjoy working with people, and clear communication of results is one of my specialties.

#### Education:

Ph.D., Statistics, Princeton University, thesis advisor was the legendary statistician, John Tukey  
B.A., Mathematics, University of California (Berkeley).

#### Recent professional positions:

Owner and founder, The Mountain-Whisper-Light Statistics, 1989-present  
Associate Professor (Biostatistics), University of Washington, 1982-1989  
Associate Member, Fred Hutchinson Cancer Research Center, 1982-1989  
Affiliate Associate Professor (Biostatistics), University of Washington, 1989-present  
Affiliate Research Professor, Bastyr University, 2008-present  
Expert witness on numerous lawsuits and legal proceedings, 1989-present

#### Publications:

Over 200 peer-reviewed articles in scientific journals.

#### Research

I have worked on a wide variety of studies in medicine and the environment; examples:

- Design and analysis of drug and treatment trials
- Statistically building and evaluating diagnostic tests
- Prediction and classification models for back pain treatment outcome
- Expert witness: gender, age, ethnic discrimination, class action, other lawsuits
- Effectiveness of rehabilitation services
- Health services: use of resources.
- Survey design, sample size, survey conduct, analysis and reporting
- Fish consumption surveys
- Neurobehavioral outcomes following head injury
- Risk factors for relapse among physicians treated for substance abuse
- Impact of ergonomic laws on ergonomic practices and injury rates
- Diagnostic tests for cancer based on infrared spectrum of DNA
- Imaging studies
- Risk factors for stroke and atherosclerosis progression
- Spatial distribution of environmental contaminants and spatial sampling

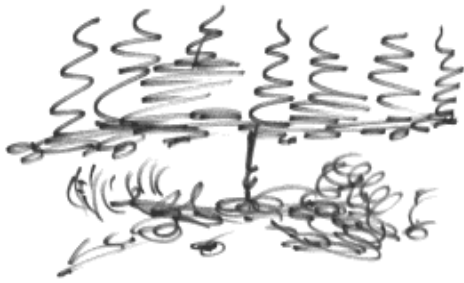
*See web site for a fuller list of projects*

#### Professional Societies:

American Statistical Association, Biometric Society

#### Other:

Honorary Distinguished Citizen, Washington State  
“Lifting Up the World” award, for community service



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## CURRICULUM VITAE

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### Education:

University of California, Berkeley, BA, Mathematics, 1966  
Princeton University, New Jersey, MA, Statistics, 1968  
Princeton University, New Jersey, PhD, Statistics, 1974  
(Dissertation supervisor: John Tukey)

### Professional Positions:

Physical Science Aide, U.S.N. Radiological Defense Laboratory, San Francisco, 1958-59  
Principal Data Analyst, Lawrence Radiation Laboratory, Berkeley, CA 1961-66  
Demographic Intern, The Population Council, New York City, 1967  
Statistical Consultant, New Jersey Neuro-Psychiatric Institute, 1967-1968  
Computer Clinic Consultant, Princeton University Computer Center, 1967-1968  
Research Assistant, Statistics Department, Princeton University, 1968  
Field Associate, Thailand and Indonesia, The Population Council, 1969-1971  
Teaching Assistant, Statistics Department, Princeton University, 1974  
Assistant Member, Fred Hutchinson Cancer Research Center, Seattle, WA, 1974-1982  
Associate Member, Fred Hutchinson Cancer Research Center, Seattle, WA, 1982-1989  
Assistant Professor, Department of Biostatistics, University of Washington, 1974-1982  
Associate Professor, Department of Biostatistics, University of Washington, 1982-1989  
Senior Consultant, Axio Research Corporation, 1989-2000  
Affiliate Assoc. Professor, Dept. of Biostatistics, University of Washington, 1989-present  
Owner, The Mountain-Whisper-Light Statistics, 1989-present  
Affiliate Research Professor, Bastyr University, 2008-2009

### Other Appointments:

Consultant, NIH Study Section on Human Infertility, 1978  
Consultant, Ford Foundation, Djakarta, Indonesia, 1971  
Associate, Center for Studies in Demography and Ecology, University of Washington, 1976  
Affiliate, Center for Health Services Research, University of Washington, 1977  
Consultant, Science Advisory Board, EPA, 1985  
Member, Hanford Health Effects Panel, 1986  
Consultant, SBIR Review Panel, 1987  
Consultant, World Bank, 1988

### Honors

Distinguished Honorary Citizenship, Washington State, 1983; Co-recipient: Licht Award from the American College of Rehabilitation Medicine for excellence in Scientific Writing, 1993; Co-recipient: Best Research Paper award (physiatrist category) from the Phys. Med. and Rehabilitation Research Foundation and American Association of Phys. Med. and Rehabilitation, 1995. "Lifting Up the World" award, for community service, 1980, 2000.

## **Membership in Professional Organizations:**

American Statistical Association  
Biometric Society

## **Consulting**

### *Examples of completed projects:*

- Design and analysis of drug and treatment trials
- Statistically building and evaluating diagnostic tests
- Prediction and classification models for back pain treatment outcome
- Accuracy of pap smears
- Effectiveness of rehabilitation services
- Evaluation of lens implants
- Asbestos risk assessment
- Racial discrimination -- develop and analyze database
- Survey design, sample size, analysis
- Neurobehavioral outcomes following head injury
- Risk factors for relapse among physicians treated for substance abuse
- Impact of ergonomic laws on ergonomic practices and injury rates
- Diagnostic tests for cancer based on infrared spectrum of DNA
- Spatial distribution of environmental contaminants and spatial sampling
- Wide variety of survival analyses
- Expert witness on numerous lawsuits and legal proceedings

## **Research** (Principal Investigator of \$2.5 million in grants and contracts):

- Cancer risk from asbestos in drinking water
- Pathways of community exposure to arsenic from a smelter
- Cancer risk from phenoxy herbicides
- Hospice use and cost in Western Washington
- Adult respiratory distress syndrome -- epidemiology and survival
- Treatment and referral patterns for cervical cancer
- Auto exhaust and cancer

## **Teaching**

- Taught Biostatistics courses at the University of Washington for 15 years
- Offered invited lectures on statistical consulting 2-3 times/year at the UW
- Mentoring research assistants

## Research papers in refereed journals

- 1 Batjer JD, Williamson LJ, Polissar L, Hamlin WB: Bacterial contamination of reagent water: Effect on selected laboratory tests. *Am J Clin Path* 71:319-25, 1979.
- 2 Smith DE, Davis S, Polissar L: The hospital cancer program: Its impact on cancer care. *Am Surgeon* 11:730-7, 1979.
- 3 Polissar L: The effect of migration on comparison of disease rates in geographic studies in the United States. *Am J Epidemiol* 111:175-82, 1980.
- 4 Smith EM, Francis A, Polissar L: The effect of breast self-exam practices and physician examination on extent of disease at diagnosis. *Prev Med* 9:409-17, 1980.
- 5 Davis S, Polissar L, Wilson J: Continuing education in cancer for the community physician: Design and evaluation of a regional table of contents service. *Bull Med Library Assoc* 69:14-20, 1981.
- 6 Severson RK, Harvey J, Polissar L: The relationship between asbestos and turbidity in raw water. *J Am Water Works Assoc* 73:222-3, 1981.
- 7 Polissar L, Warner HJ, Jr: Automobile traffic and lung cancer: An update on Blumer's report. *Environ Sci Tech* 15:713-4, 1981.
- 8 Polissar L, Sim DA, Francis A: Survival of colorectal cancer patients in relation to duration of symptoms and other prognostic factors. *Dis Colon Rectum* 24:364-9, 1981.
- 9 Chu J, Polissar L, Tamimi HK: Quality of care of women with stage I cervical cancer. *West J Med* 137:13-17, 1982.
- 10 Polissar L, Severson RK, Boatman ES, Thomas DB: Cancer incidence in relation to asbestos in drinking water in the Puget Sound region. *Am J Epidemiol* 116:314-28, 1982.
- 11 Severson RK, Davis S, Polissar L: Smoking, coffee and cancer of the pancreas. *Brit Med J* 285:214, 1982.
- 12 Polissar L, Diehr P: Regression analysis in health services research: The use of dummy variables. *Medical Care* 20:959-66, 1982.
- 13 Feigl P, Polissar L, Lane WW, Guinee V: Reliability of basic cancer patient data. *Statistics in Medicine* 1:191-204, 1982.
- 14 Harris NV, Weiss NS, Francis A, Polissar L: Breast cancer in relation to patterns of oral contraceptive use. *Am J Epidemiol* 116:643-51, 1982.
- 15 Polissar L, Severson RK, Boatman ES: Cancer risk from asbestos in drinking water: Summary of a case-control study in Western Washington. *Environ Health Persp* 53:57-61, 1983.
- 16 Polissar L, Severson RK, Boatman ES: Additional notes on the case-control study in Western Washington on the cancer risk from asbestos in drinking water. *Environ Health Persp* 53:57-61, 1983.

- 17 Boatman ES, Merrill T, O'Neill A, Polissar L, Millette JR: Use of quantitative analysis of urine to assess exposure to asbestos fibers in drinking water in the Puget Sound region. *Environ Health Persp* 53:131-9, 1983.
- 18 Polissar L, Severson RK, Boatman ES: A case-control study of asbestos in drinking water and cancer risk. *Am J Epidemiol* 119:456-71, 1984.
- 19 Polissar L, Feigl P, Lane WW, Glaefke G, Dahlberg S: Accuracy of basic cancer patient data: Results of an extensive recoding survey. *JNCI* 72:1007-14, 1984.
- 20 Francis A, Polissar L, Lorenz AB: Care of patients with colorectal cancer: A comparison between health maintenance organization and fee-for-service practices. *Medical Care* 22:418-429, 1984.
- 21 Dayal HH, Polissar L, Dahlberg S: Race, socio-economic status and other prognostic factors for survival from prostate cancer. *JNCI* 74:1001-6, 1985.
- 22 Polissar L, Finley ML: Time trends and key factors in the choice of one-step or two-step biopsy and surgery for breast cancer. *Soc Sci Med* 21:733-40, 1985.
- 23 Dodds L, Davis S, Polissar L: A population-based study of lung cancer incidence. Trends by histologic type, 1974-81. *JNCI* 76:21-9, 1986.
- 24 McDonald JA, Weiss NS, Daling JR, Polissar L: Menopausal estrogen use and the risk of breast cancer. *Breast Cancer Research and Treatment* 7:193-9, 1986.
- 25 Dayal HH, Polissar L, Dahlberg S: Response to letter on "Race, socioeconomic status and other prognostic factors for survival from prostate cancer." *JNCI* 76:1259-60, 1986.
- 26 Polissar L, Severson RK, Brown NK: Factors affecting place of death in Washington State, 1968-1981. *J of Community Health* 12(1):40-55, 1987.
- 27 Woods JS, Polissar L, Severson RK, Heuser LS: Soft tissue sarcoma and non-Hodgkins lymphoma in relation to phenoxy herbicide and chlorinated phenol exposure in Western Washington. *JNCI* 78(5):899-910, 1987.
- 28 Dayal H, Polissar L, Yang C: Race, socioeconomic status and other prognostic factors for survival from colo-rectal cancer. *J Chron Dis* 40:857-64, 1987.
- 29 Hughes J, Polissar L, van belle B: Evaluation and synthesis of health effects studies of communities surrounding arsenic producing industries. *International J of Epidemiology* 17:407-13, 1988.
- 30 Woods J, Polissar L: Non-Hodgkins lymphoma among phenoxy herbicide-exposed farm workers in western Washington state. *Chemosphere* 18:401-6, 1989.
- 31 Kulander BG, Polissar L, Yang CY, Woods JS: Grading of soft tissue sarcomas: Necrosis as a determinant of survival. *Modern Pathology* 2(3):205-8, 1989.
- 32 Moinpour CM, Polissar L: Factors affecting place of death among hospice and non-hospice cancer patients. *Am J Public Health* 79:1549-51, 1989.

- 33 DiGuseppi CG, Rivara FP, Koepsell TD, Polissar L: Bicycle helmet use by children; evaluation of a community-wide helmet campaign. *J Am Med Assoc* 262:2256-61, 1989. (Also selected for publication in Japanese JAMA edition).
- 34 Tarter ME, Freeman WR, Polissar L: Modular nonparametric subsurvival estimation. *J Am Statist Assoc* 85(409):29-37, 1990.
- 35 Moinpour CM, Polissar L, Conrad D: Factors associated with length of stay in hospice. *Medical Care* 28:363-8, 1990.
- 36 Polissar L, Lowry-Coble K, Kalman DA, Hughes JP, van Belle G, Covert DS, Burbacher TM, Bolgiano D, Mottel NK: Pathways of human exposure to arsenic in a community surrounding a copper smelter. *Environmental Research* 53:29-47, 1990.
- 37 Kalman DA, Hughes J, van Belle G, Burbacher T, Bolgiano D, Coble K, Mottel NK, Polissar L: The effect of variable environmental arsenic contamination on urinary concentrations of arsenic species. *Environmental Health Perspectives* 89:145-51, 1990.
- 38 Kruger VL, Kraft G, Dietz JC, Ameis A, Polissar L: Carpal tunnel syndrome: objective measures and splint use. *Archives of Physical Medicine and Rehabilitation* 72:517-20, 1991.
- 39 Glenny RW, Polissar L, Robertson HT: Relative contribution of gravity to pulmonary perfusion heterogeneity. *Journal of Applied Physiology* 71:2449-52, 1991.
- 40 Russell KJ, Dunatov C, Hafermann MD, Griffith JT, Polissar L, Pelton J, Cole SB, Taylor EW, Wiens LW, Koh WJ, Austin-Seymour MM, Griffin BR, Russell AH, Laramore GE, Griffin TW: Prostate specific antigen in the management of patients with localized adenocarcinoma of the prostate treated with primary radiation therapy. *Journal of Urology* 146:1046-52, 1991.
- 41 Smith JW, Frawley PJ, Polissar L: Six- and twelve- month abstinence rates in inpatient alcoholics treated with aversion therapy compared with matched inpatients from a treatment registry. *Alcoholism: Clinical and Experimental Research* 15(5):862-70, 1991.
- 42 Jaffe KM, Fay G, Polissar NL, Martin K, Shurtleff H, Rivara JB, Winn HR: Severity of pediatric traumatic brain injury and early neurobehavioral outcome: a cohort study. *Archives of Physical Medicine and Rehabilitation* 73(6):540-7, 1992.
- 43 Rivara JB, Fay G, Jaffe KM, Polissar NL, Martin K: Predictors of family functioning one year following traumatic brain injury in children. *Arch Phys Med Rehabil* 73(10):899-910, 1992.
- 44 Swenson ER, Robertson HT, Polissar NL, Middaugh ME, Hlastala MP: Conducting airway gas exchange: diffusion related differences in inert gas elimination. *J Appl Physiol* 72:1581-8, 1992.
- 45 Jaffe KM, Fay G, Polissar NL, Martin K, Shurtleff H, Rivara JB, Winn HR: Severity of pediatric traumatic brain injury and neurobehavioral recovery at one year - a cohort study. *Arch Phys Med Rehabil* 74(6):587-595, 1993.
- 46 Fay GC, Jaffe KM, Polissar NL, Liao S, Martin K, Shurtleff H, Rivara JB, Winn HR: Mild pediatric traumatic brain injury: a cohort study. *Arch Phys Med Rehabil* 74(9):895-901, 1993.

- 47 Rivara JB, Jaffe KM, Fay GC, Polissar NL, Martin KM, Shurtleff H, Liao S: Family functioning and injury severity as predictors of child functioning one year following traumatic brain injury. *Arch Phys Med Rehabil* 74(10):1047-55, 1993.
- 48 Domino KB, Swenson ER, Polissar NL, Lu Y, Eisenstein BL, Hlastala MP: Effect of inspired CO<sub>2</sub> on ventilation and perfusion heterogeneity in hyperventilated dogs. *J. Appl. Physiol.* 75(3):1306-14, 1993.
- 49 Domino KGB, Swenson ER, Polissar NL, Eisenstein BL, Hlastala MP. Effect of Inspired CO<sub>2</sub> on Ventilation and Perfusion Heterogeneity in Hyperventilated Dogs. *J Appl. Physiol.* 75(3): 1306-1314, 1993.
- 50 Jaffe KM, Massagli TL, Martin KM, Rivara JB, Fay GC, Polissar NL: Pediatric traumatic brain injury: acute and rehabilitation costs. *Arch Phys Med Rehabil* 74(7):681-686, 1993.
- 51 Malins DC, Holmes EH, Polissar NL, Gunselman SJ: The etiology of breast cancer: characteristic alterations in hydroxyl radical-induced DNA base lesions during oncogenesis with a potential for evaluating incidence risk. *Cancer* 71(10):3036-3043, 1993.
- 52 Polissar, NL: Asbestos in drinking water: health issues. In *Health Risks from Exposure to Mineral Fibres: An International Perspective*, Gibbs GW, Dunnigan J, Masamitsu, K, Higashi T. Captus University Publications, North York, Ontario, 1993.
- 53 Willoughby SB, Obermiller T, Polissar NL, Mendenhall JM, Butler J, Lakshminarayan S: 15m microspheres reflux up the pulmonary veins during pulmonary artery occlusion. *Microvascular Research* 45:262-268, 1993.
- 54 Polissar NL, Fay GC, Jaffe KM, Liao S, Martin KM, Shurtleff HA, Rivara JB, Winn HR: Mild pediatric traumatic brain injury: adjusting significance for multiple comparisons. *Brain Injury* 8(3):249-264, 1994.
- 55 Fay GC, Jaffe KM, Polissar NL, Liao S, Rivara JB, Martin KM: Outcome of pediatric traumatic brain injury at three years: a cohort study. *Arch Phys Med Rehabil* 75(7):733-41, 1994.
- 56 McDonald CM, Jaffe KM, Fay GC, Polissar NL, Martin KM, Liao S, Rivara JB: Comparison of indices of traumatic brain injury severity as predictors of neurobehavioral outcome in children. *Arch Phys Med Rehabil* 75(3):328-37, 1994.
- 57 Rivara JB, Jaffe KM, Polissar NL, Fay GC, Martin KM, Shurtleff H, Liao S: Family functioning and children's academic performance and behavior problems in the year following traumatic brain injury. *Arch Phys Med Rehabil* 75(4):369-79, 1994.
- 58 Greenwald HP, Polissar NL, Borgatta EF, McCorkle R: Detecting survival effects of socioeconomic status: problems in the use of aggregate measures. *J Clin Epid* 47(8):903-909, 1994.
- 59 Warth DC, Leon MB, O'Neill W, Zacca N, Polissar NL, Buchbinder M: Rotational Atherectomy Multicenter Registry: Acute results, complications and six-month angiographic followup in 709 patients. *J Amer College of Cardiology* 24(3):641-8, 1994.
- 60 Malins, DC, Polissar NL, Nishikida K, Holmes EH, Gardner HS, Gunselman SJ. The etiology and prediction of breast cancer: fourier transform-infrared spectroscopy reveals progressive alterations in breast DNA leading to a cancer-like phenotype in a high proportion of normal women. *Cancer* 75(2):503-517, 1995.

- 61 Souders JE, George SC, Polissar NL, Swenson ER, Hlastala MP: Tracheal gas exchange: perfusion-related differences in inert gas elimination. *J Appl Phys* 79(3):918-928, 1995.
- 62 Glenny RW, Polissar NL, McKinney S, Robertson HT: Temporal heterogeneity of regional pulmonary perfusion is spatially clustered. *J Appl Phys* 79(3):986-1001, 1995.
- 63 Buntain-Ricklefs JJ, Rivara FP, Donovan DM, Salzberg PM, Polissar NL: Differentiating "bad drivers" with and without a DWI. *J. Stud. Alcohol* 56:356-360, 1995.
- 64 Jaffe KM, Polissar NL, Fay GC, Liao S: Recovery trends over three years following pediatric traumatic brain injury. *Arch Phys Med Rehabil* 76(1):17-26, 1995.
- 65 Malins DC, Polissar NL, Gunselman SJ. Progression of human breast cancers to the metastatic state is linked to hydroxyl radical-induced DNA damage. *Proceedings of the National Academy of Sciences* 93:2557-2563, 1996.
- 66 Malins DC, Polissar NL, Gunselman SJ: Tumor progression to the metastatic state involves structural modifications in DNA markedly different from those associated with primary tumor formation. *Proc. Natl. Acad. Sci.* 93:14047-14052, 1996.
- 67 Malins DC, Polissar NL, Garner MM, Gunselman SJ: Mutagenic DNA base modifications are correlated with lesions in non-neoplastic hepatic tissue of the English sole carcinogenesis model. *Cancer Research* 56:5563-5565, 1996.
- 68 Miller JS, Polissar NL, Haas M: A radiographic comparison of neutral cervical posture with cervical flexion and extension ranges of motion. *Journal of Manipulative and Physiological Therapeutics* 19(5):296-301, 1996.
- 69 Hlastala MP, Bernard SL, Erickson HH, Fedde MR, Gaughan EM, McMurphy R, Emery MJ, Polissar N, Glenny RW. Pulmonary blood flow distribution in standing horses is not dominated by gravity. *J Appl Physiol* 81(3):1051-1061, 1996.
- 70 Bernard SL, Glenny RW, Erickson HH, Fedde MR, Polissar N, Basaraba RJ, Hlastala MP: Minimal redistribution of pulmonary blood flow with exercise in racehorses. *J. Appl. Physiol.* 81(3):1062-1070, 1996.
- 71 Rivara JB, Jaffe KM, Polissar NL, Fay GC, Liao S, Martin KM: Predictors of family functioning and change three years following traumatic brain injury in children. *Arch Phys Med Rehabil* 77(8):754-764, 1996.
- 72 Greenwald HP, Borgatta EF, McCorkle R, Polissar NL: Explaining reduced cancer survival among the disadvantaged. *The Milbank Quarterly* 74(2):215-238, 1996.
- 73 Greenwald HP, Polissar NL, Borgatta EF, McCorkle R: Response to "Problems in the Use of Aggregate Measures." *J. Clin. Epidemiol.* 49(8): 943-945, 1996.
- 74 Smith JW, Frawley PJ, Polissar NL: Six- and Twelve-Month Abstinence Rates in Inpatient Alcoholics Treated with Either Faradic Aversion or Chemical Aversion Compared with Matched Inpatients from a Treatment Registry. *J of Addictive Diseases* 16(1):5-24, 1997.
- 75 Standish LJ, Calabrese C, Reeves C, Polissar N, Bain S, O'Donnell T: A Scientific Plan for the Evaluation of Alternative Medicine in the Treatment of HIV/AIDS. *Alternative Therapies in Health and Medicine* 3(2):58-67, 1997.



- 76 Malins DC, Polissar NL, Gunselman SJ: Infrared spectral models demonstrate that exposure to environmental chemicals leads to new forms of DNA. *Proc. Natl. Acad. Sci. USA* 94: 3611-3615, 1997.
- 77 Malins DC, Polissar NL, Gunselman SJ: Models of DNA structure achieve almost perfect discrimination between normal prostate, benign prostatic hyperplasia (BPH), and adenocarcinoma and have a high potential for predicting BPH and prostate cancer. *Proc. Natl. Acad. Sci.* 94:259-264, 1997.
- 78 Walther SM, Domino KB, Glenny RW, Polissar NL, Hlastala MP: Pulmonary blood flow distribution has a hilar-to-peripheral gradient in awake, prone sheep. *J. Appl. Physiol.* 82(2): 678-685, 1997.
- 79 Greenwald HP, Polissar NL, Dayal HH: Race, socioeconomic status, and survival in three female cancers. *Ethnicity & Health.* 1 (1996) : 65-75.
- 80 Bernard SL, Glenny RW, Polissar NL, Luchtel DL, Lakshminarayan S. Distribution of pulmonary and bronchial blood supply to airways measured by fluorescent microspheres. *J Appl Physiol* 80: 430-436, 1996.
- 81 Zierler RE, Bergelin RO, Davidson RC, Cantwell-Gab K, Polissar NL, Strandness DE: A prospective study of disease progression in patients with atherosclerotic renal artery stenosis. *Am J Hypertension* 9:1055-1061, 1996.
- 82 Shumway-Cook A, Baldwin M, Polissar NL, Gruber W: Predicting the Probability for Falls in Community Dwelling Older Adults. *Physical Therapy.* 77:812-819, 1997.
- 83 Malins DC, Polissar NL, Su Y, Gardner HS, Gunselman SJ. A new structural analysis of DNA using statistical models of infrared spectra. *Nature Medicine* 3(8): 927-930, 1997.
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- 85 Ashley RL, Crisostomo F, Doss M, Sekulovich R, Burke RL, Shaughnessy M, Corey L, Polissar NL, Langenberg A: Cervical antibody responses to a herpes simplex virus type 2 glycoprotein subunit vaccine. *Journal of Infectious Diseases.* 178:1-7, 1998.
- 86 Walther SM, Domino KB, Glenny RW, Polissar NL, Hlastala MP: Pulmonary blood flow distribution in sheep: Effects of anesthesia, mechanical ventilation and change in posture. *Anesthesiol,* 87(2):335-342, 1997.
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