

Dr Avi Wiener
Specialist in Internal & Occupational Medicine

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Curriculum Vitae
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Dr Avi Wiener, ID: 004958591

Personal details:

60 years old, born in Israel, married + 5, living at Haifa.

Professional training:

- Expert in Internal Medicine, 1982.
- Expert in Occupational & Environmental Medicine, 2002.
- Authorized to practice Occupational Medicine by the Ministry of Work and Welfare, 1991.
- Graduated as Master in Occupational Health (MOH) by the Tel-Aviv University, 1996.
- Specialized in Internal Medicine (1977-82) at the Rambam Medical Center, Haifa.
- Specialized in Occupational & Environmental Medicine at the Rambam Medical Center, Haifa, 1996-99.
- Authorized in General Medicine No. 14915, 1978.
- Graduated in Medicine at the Faculty of Medicine, Technion – Israeli Institute of Technology (IIT), 1977.

Executive jobs:

- Medical Director, Institute of Occupational & Environmental Medicine, Rambam Medical Center since 1991.
- Senior physician at the department of Internal Medicine D, Rambam Medical Center, 1982-1991.
- Member of the Standardization Committee for Working Positions of the Ministry of Work and Welfare, 1997-2000.\]
- Member of the Expert Committee for Cancerous Risk Factors at the Israeli Cancer Association since 2002.
- Member of the Standardization Committee (Representing the Ministry of Health) for the protection of the medical staff at the Morgues 2004.
- Expert Testimony in Occupational & Environmental nominated by the courts in Israel since 2002.

Membership in Academic Societies:

- Member at the International Society Medichem, that deals in Occupational & Environmental Medicine regarding the Chemical Industries since 1995. Israeli Delegate since 2000. Member of the Board since 2007.
- Member at the Israeli Society of Toxicology of the Israeli Medical Association since 2000.

Research experience:

- Collaborated in research in Occupational Biomechanics at the laboratory of Orthopedic and Rehabilitation Biomechanics directed by Professor Joseph Mizrahi at the department of Biomedical Engineering at the Technion since 1997.
- Collaborated in the research of atherosclerosis at the laboratory of Lipid Research at the Rambam Medical Center directed by Professor Michael Aviram 1978-1988.

Awards:

- Gained the Technion price for Excellency in research for the year 1984.

Ongoing Researches:

- Workers occupational and environmental cancer morbidity in the chemical industries. This research has been already conducted for the last 4 years and is planed to continue for one more year. Incidence rates of cancer are calculated in a population of about ten thousands active workers and past workers in nine chemical producing plants. The correlation between the occupational exposures and cancerous diseases will be tested.
- The impacts of various chemicals found in the Kishon River Sediments on cancer diseases among fishermen using the Kishon Harbor as the basis for their fishing boats from 1960 to 2000.
- The incidence of Malignant Mesothelioma in Israel caused by environmental exposure to asbestos fibers.

Teaching experience:

- Associated senior lecturer in Environmental Toxicology at the Faculty of Civil and Environmental Engineering, the Technion since 2006.
- Has been guiding medical students in Occupational and Environmental Toxicology during their 2nd year of medical studying. The guides have been taking place at an industrial plant accompanied by two lectures, summing in 6 teaching hours for each group of students (36 teaching hours per year) for the last 10 years.
- Had been lecturing Occupational Medicine for nursing students at the nursing school affiliated to the Faculty of Medicine, the Technion, 1991-1996.

- The Institute of Occupational & Environmental Medicine at the Rambam Medical Center directed by Dr Avi Wiener has been authorized by the Academic Committee of the Israeli Medical Association to guide medical doctors for their expertise in Occupational & Environmental Medicine since 1991.
- Nominated by the Technion's Committee for Graduation as a co-mentor for the Ma.Sc. Degree of Mr. Etgar Marcus conducting an original research: "Computer Adaptive Testing of knee and ankle performance" at the laboratory of Orthopedic and Rehabilitation Biomechanics directed by Professor Joseph Mizrahi, 2001.
- Nominated by the Technion's Committee for Graduations as a co-mentor for the Ph.D. Degree of Mrs. Deborah Solomonow conducting an original research: "Bias-Free Assessment of Muscle Force Potential" at the laboratory of Orthopedic and Rehabilitation Biomechanics directed by Professor Joseph Mizrahi, 2009.

Managerial Experience:

- Took the initiative to establish the Institute of the Rambam's Institute of Occupational & Environmental Medicine on 1991. Has been directing the Institute since then.

List of Publications:

1. J.G. BROOK, M. AVIRAM, **A. WIENER** et al: High density Lipoprotein subfractions in normolipidemic patients with coronary atherosclerosis. CIRCULATION 66 (5): 923-926, 1982.
2. **A. WIENER**, M. AVIRAM, J. BROOK: The Atherogenic aspect of the lipoproteins composition in patients with renal insufficiency treated by Hemodyalisis. HAREFUAH, CX: 5, 217-219, 1986.
3. E. GRENADIER, S. KEIDAR, G. KAPLAN, **A. WIENER** et al: Complete atrioventricular block, shock. And hyperkalemia induced by toxic adenoma of the thyroid gland. HAERT AND LUNG 10 (1): 105-108, 1986.
4. **A. WIENER**, M. AVIRAM, O.S.BETTER et al: Enhanced in vitro platelet aggregation in hemodialysis patients. NEPHRON 43: 139-143, 1986.
5. B. BRENER, A. NAGLER, **A. WIENER**, et al: Partial response of meningeal myeloma to craniospinal radiotherapy. SCAND. J. HAEMATOL. 37: 360-362, 1986.
6. J.G. BROOK, S.W. KEIDAR, M. BOULUS, E. GRENADIER, **A. WIENER** et al: Familial homozygote hypercholesterolemia: Clinical and cardiovascular features in 18 patients. CLINICAL CARDIOLOGY 12: 333-338, 1989.

- 7. A. WIENER**, Y. BERKOVITZ, E. BRONSTEIN et al: Platelet adhesion - two new methods. ISRAEL J. MED. SCI. 17: 396-397, 1981.
- 8. A. AVIRAM, A. WIENER**, J.G. BROOK, M. LEVIN et al: Atherosclerosis risk factors in chronic uremic patients undergoing maintenance hemodialysis. ISRAEL J. MED. SCI. 18: 559, 1982.
- 9. M. AVIRAM, A. WIENER**, J.G. BROOK: Reduced plasma high-density lipoprotein and increased platelet activity in arterial versus venous blood. POST. GRAD. MED. J. 63: 91-94, 1987.
- 10. A. WIENER**, J.G. BROOK, M. AVIRAM: Abnormal plasma lipoprotein composition in hypercholesterolemia patients induced platelet activation. EUROPEAN. J. CLIN. INVEST. 14: 207-213, 1984.
- 11. J.G. BROOK, M. AVIRAM, S. HAIM, A. MARKEL, A. WIENER** et al: Platelet adhesion and aggregation in Bechchet`s disease. THROMB. AND HEMOST. 46: 1350, 1981.
- 12. Avi Wiener**, Oleg Verbitsky, Joe Mizrahi: Fast recovery of fatigued leg muscles by enhanced venous return: Annual Conference of the Israeli Society for Medical and Biological Engineering, Technion – Israel Institute of Technology (ITT), 21st February, 2000.
- 13. Avi Wiener**, Oleg Verbitsky, Joe Mizrahi: Effect of intermittent sequential pneumatic compression of legs on recovery of fatigued muscles. The XVIIIth Congress of the ISB - International Society of Biomechanics, 8-13th July, 2001, Zurich, Switzerland (Poster presentaion).
- 14. Avi Wiener**, Joe Mizrahi, Oleg Verbitzky: Enhancement of Tibialis Anterior recovery by intermittent sequential pneumatic compression of the legs. Basic and Applied Myology, 11 (2): 87-90, 2001.
- 15. Hoffer E., Tabak A., Shcher I., Wiener A.**, Bentur Y: Monitoring of occupational exposure to methylene chloride: samplaing protocol and stability of urine samples. J Anal Toxicol 2005 Nov-Dec;29(8):794-8.
- 16. Wiener, A.**, Marcus, E., and Mizrahi, J. (2006): Objective measurement of knee extension force based on computer adaptive testing, J. Electromyography and Kinesiology, February 2007 17:(1):41-48.
- 17. Wiener, A.** Oral presentation: Incidence rates of cancer diseases among workers in the fertilizer and pesticide industries. Medichem, annual meeting, Amsterdam, 9th-11th September, 2009.
- 18. Wiener, A.** Oral presentation: Incidence rate of environmental asbestos related malignant mesothelioma. Medichem, annual meeting, Amsterdam, 9th-11th September, 2009.

- 19. A. Wiener**, J.G.Brook: The medical treatment of familial hypercholesterolemia. Editorial Article, Harefuah, 112 (8), 402-405, 1987.
- 20. D. Markovits, D. Shapira, A. Wiener and A.M. Nahir**: Silica-related rheumatoid arthritis without lung involvement. Clin Rheum, 22(1): 53-55, 2003.