

Joseph Finkelstein, MD, PhD, MA, CCRP
Publications

Peer-reviewed articles (in journals):

1. Tsukerman B.M., Abulkhanov A.R., Finkelshtein I.E. Automatic recognition of RR-intervals of sinus origin from real electrocardiographic signals. *Medical Technology (rus.)* 1984; (6): 18-21.
2. Tsukerman B.M., Finkelshtein I.E. Evaluation of the principles of distribution of electrocardiographic R-R intervals for elaboration of methods of automated diagnosis of cardiac rhythm disorders. *Cardiology (rus.)* 1987; 27(7): 22-26.
3. Seregin G.I., Avrutskii M.I., Finkelshtein I.E., Shloznikov B.M., Bikmulina F.S. Effect of emotional pain stress on ventilatory sensitivity to a hypercapnic stimulus. *Anesthesiology and Reanimatology (rus.)* 1987; (2): 22-24.
4. Seregin G.I., Finkelshtein I.E. The relation between breathing variability and ventilatory response to carbon dioxide. *Bulletin of Experimental Biology and Medicine* 1987; 104: 1036-1038.
5. Seregin G.I., Gelfand V.B., Finkelshtein I.E., Kachalov P.V. Psychotropic therapy during anesthesia in the treatment of burn patients at various stages of the disease. *Anesthesiology and Reanimatology (rus.)* 1989; (3): 4-6.
6. Avrutskii M.I., Musikhin L.V., Finkelshtein I.E., Katkovskii D.G., Guseinov T.I. The state of autonomic homeostasis during the use of a low-intensity helium-neon laser as a component of combined anesthesia. *Anesthesiology and Reanimatology (rus.)* 1992; (1): 17-19.
7. Avrutsky M.J., Katkovsky D.G., Guseinov T.J., Musichin L.V., Finkelstein I.E. Application of intravenous low-intensity laser irradiation as part of anesthetic care during invasive surgery. *Journal of Clinical Laser Medicine & Surgery* 1992; 10(4): 291-5.
8. Finkelstein J., Hripcsak G., Cabrera M. Patients' acceptance of Internet-based home asthma telemonitoring. *J American Medical Informatics Association* 1998 (suppl.): 336-340.
9. Finkelstein J., Hripcsak G., Cabrera M. Telematic system for monitoring of asthma severity in patients' homes. *Medinfo* 1998; 9(pt 1): 272-276.
10. Finkelstein J., Friedman R.H. Potential role of telecommunication technologies in the management of chronic health conditions. *Dis Manage Health Outcomes* 2000; 8(2): 57-63.
11. Finkelstein J., Friedman R.H. Telecommunication offers solution for pulmonary disease management. *Advance Manage Respir Care* 2000; 9(5): 12-14.
12. Finkelstein J., Cabrera M., Hripcsak G. Internet-based Home Asthma Telemonitoring: Can patients handle the technology? *Chest* 2000; 117: 148-155.
13. Finkelstein J., O'Connor G.T., Friedman R.H. Development and implementation of the Home Asthma Telemonitoring (HAT) system to facilitate asthma self-care. *Medinfo* 2001, 10(pt 1): 810-814.
14. Finkelstein J., Nambu S., Ansell J. Computer-assisted education for patients on anticoagulation therapy. *International Journal of Behavioral Medicine* 2002; 9(1suppl): 87-89.

15. Finkelstein J, Khare R., Vora D. Home Automated Telemanagement (HAT) system to facilitate self-care of patients with chronic diseases. *Journal of Systemics, Cybernetics and Informatics* 2003; 1(8): 1-5, <http://www.iiisci.org/Journal/SCI/Abstract.asp?var=&id=P291330>.
16. Finkelstein J, Khare R, Ansell J. Feasibility and patient's acceptance of Home Automated Telemanagement of oral anticoagulation therapy. *J American Medical Informatics Association* 2003 (suppl.): 16-20.
17. Farzanfar R, Finkelstein J, Friedman RH. Testing the usability of two automated home-based patient management systems. *J Medical Systems* 2004; 28(2): 143-153.
18. Finkelstein J, Arora M, Joshi A. Introducing Handheld Computing for Interactive Medical Education. *Journal of Systemics, Cybernetics and Informatics* 2005;2(6):e2, <http://www.iiisci.org/Journal/SCI/Abstract.asp?var=&id=P716424>.
19. Lapshin O, Mallik K, Finkelstein J. Evaluating Insight in Psychiatric Patients. *Bridging Eastern and Western Psychiatry*; 2005;3(1), 17-21.
20. Finkelstein J, Shaya FT, Arora M, Joshi A, Samant N, Scharf SM. Automated Survey Collector (ASC): A Universal Platform for Interactive Collection of Clinical Data. *Journal of Systemics, Cybernetics and Informatics* 2005;2(6):e1. <http://www.iiisci.org/Journal/SCI/Abstract.asp?var=&id=P254653>
21. Cross RK, Arora M, Finkelstein J. Acceptance of telemanagement is high in patients with Inflammatory Bowel Disorder. *Journal of Clinical Gastroenterology* 2006;40:200-8.
22. Harris AD, McGregor JC, Perencevich EN, Furuno JP, Zhu J, Peterson DE, Finkelstein J. The Use and Interpretation of Quasi-Experimental Studies in Medical Informatics. *J American Medical Informatics Association* 2006;13:16-23.
23. Furuno JP, McGregor JC, Harris AD, Johnson JA, Johnson JK, Langenberg P, Venezia RA, Finkelstein J, Smith DL, Strauss SM, Perencevich EN. Identifying groups at high risk for carriage of antibiotic-resistant bacteria. *Arch Intern Med*. 2006;166(5):580-5.
24. Lapshin O, Skinner CJ, Finkelstein J. How do psychiatric patients perceive the side effects of their medications? *German Journal of Psychiatry* 2006;9:74-93.
25. Finkelstein J, Joshi A, Hise M. Association of physical activity and renal function in subjects with and without metabolic syndrome: a review of the Third National Health and Nutrition Examination Survey (NHANES III). *Am J Kidney Dis* 2006;48(3):372-82.
26. Finkelstein J, Lapshin O. Reducing depression stigma using a web-based program. *International J Medical Informatics* 2007;76:726-734.
27. Cross RK, Finkelstein J. Feasibility and Acceptance of a Home Telemanagement System in Patients with Inflammatory Bowel Disease: A 6-Month Pilot Study. *Digestive Diseases and Sciences* 2007;52(2):357-64.
28. Cross RK, Lapshin O, Finkelstein J. Patient subjective assessment of drug side effects in inflammatory bowel disease. *J Clin Gastroenterol* 2008;42(3):244-51.
29. Finkelstein J, Lapshin O, Wasserman E. Randomized Study of Different Anti-Stigma Media. *Patient Educ Couns* 2008;71(2):204-14.
30. Finkelstein J, Lapshin O, Castro H, Cha E, Provance PG. Home Telerehabilitation in Patients with Multiple Sclerosis: A Pilot Study. *Journal of Rehabilitation Research and Development*, accepted for publication.

Peer-reviewed articles (in conference proceedings):

1. Finkelstein J., Cabrera M., Hripcsak G.. Web-based monitoring of asthma severity: A new approach to ambulatory management. 1998 IEEE Conference on Information Technology Applications in Biomedicine (ITAB'98), Washington DC, 139-143.
2. Finkelstein J., Friedman R.H. Home Asthma Telemonitoring (HAT) system. Proceedings of the IEEE 26th Annual Northeast Bioengineering Conference. April 8-9, 2000, Storrs, Connecticut, 103-104.
3. Finkelstein J., Friedman R.H. Telemedicine system to support asthma self-management. Proceedings of 2000 IEEE EMBS International Conference on Information Technology Applications in Biomedicine. November 9-10, 2000, Arlington, Virginia, 164-167.
4. Finkelstein J., Nambu S., Khare R., Gupta D. CO-ED: A development platform for interactive patient education. Proceedings of the International Conference on Computers in Education. December 3-6, 2002, Auckland, NZ, 648-650.
5. Finkelstein J., Khare R, Vora D, Arora M. Design and implementation of Home Automated Telemanagement in Chronic Obstructive Pulmonary Disease. Proc. of the 16th IEEE Symposium on Computer-Based Medical Systems. June 26-27, 2003, New York, NY, 207-212.
6. Finkelstein J., Joshi A, Arora M. Home Automated Telemanagement in hypertension. Proc. of the 17th IEEE Symposium on Computer-Based Medical Systems. 24-25 June, 2004, Bethesda, MD, 452-459.
7. Finkelstein J., Martin C, Bhushan A, Arora M, Joshi A. Feasibility of computer-assisted education in patients with multiple sclerosis. Proc. of the 17th IEEE Symposium on Computer-Based Medical Systems. 24-25 June, 2004, Bethesda, MD, 254-261.
8. Cross RK, Arora M, Sharma K, Finkelstein J. Home Automated Telemanagement in Inflammatory Bowel Disease. Proc. of International Conference on Telehealth. July 19-21, 2005, Banff, Canada, 152-157.
9. Finkelstein J., Lapshin O, Wasserman E. Comparison of Long-term Results of Computer-Assisted Anti-Stigma Education and Reading Anti-Stigma Educational Materials. Proceedings of the American Medical Informatics Association Annual Meeting, 2007.

Chapters in books:

1. Finkelshtein I.E., Abulkhanov A.R., Tsukerman B.M. Microprocessor monitoring system for analysis of heart rhythm. In: Control Microprocessor Systems in Medicine. Riga, 1984; 81-91.
2. Finkelshtein I.E. Combined analysis of breathing pattern and heart rate variability for evaluation of pain relief by electrostimulation methods. In: Automated Systems in Medical Institutions. Moscow, 1986; 120-129.
3. Avrutskii M.I., Musikhin L.V, Finkelshtein I.E., Katkovskii D.G., Guseinov T.I. Comparative evaluation of autonomous homeostasis during anesthesia in conjunction with intravenous low intensive helium-neon laser irradiation. In: New in Laser Medicine. Moscow, 1991; 23-30.