Thomas Harmon Jobe, MD

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Undergraduate Education:

Vanderbilt University, Nashville, Tennessee B.A., Philosophy, Cum Laude, 1965. Phi Beta Kappa

Graduate Education:

The University of Chicago, Chicago, Illinois Pritzker School of Medicine, MD, 1969.

The University of Chicago

Morris Fishbein Center for Study of the History of Science and Medicine Graduate Studies in the History of Science and Medicine, 1974-1976. Recipient: Nathan Reingold Award, History of Medicine and Science, 1977. Recipient: Cleveland Fund Scholarship Award, 1975.

Post Graduate Training:

The State University of New York, Upstate Medical Center (SUNY), Syracuse, New York Rotating Internship, 1970.

SUNY affiliates: Syracuse Psychiatric Hospital and Syracuse Veterans Administration Hospital Residency in Psychiatry, 1970-73.

Military Service:

1973-1975: United States Navy LCDR Medical Corps

Licensure:

Diplomate, National Board of Medical Examiners, 1970 State of New York Medical License, 1970 State of Illinois Medical License, 1975 Diplomate of American Board of Psychiatry and Neurology, 1976

Psychiatric and Neuropsychiatric Consultation:

Illinois State Psychiatric Institute, ISIP: Supervisor of Psychodynamic Psychotherapy Program (1989 to 1996).

Jessie Brown Veterans Administration Hospital, Neuropsychiatry Program, Chicago, Illinois, (1979 to 2005).

State of Illinois Division of Occupational and Psychiatric Rehabilitation Services, (1976 to 1979).

University of Chicago Day Treatment Program, Billings Hospital, (1978 to 1980).

Sustaining Care Program, Department of Psychiatry, Northwestern University Medical Center, Chicago, Illinois, (1978 to 1980).

The Bobby Wright Mental Health Center, Chicago, Illinois, (1987 to 2014).

Association House of Chicago, Illinois, Psychiatric Rehabilitation Service (1986 to 1990).

Neuropsychiatric Associates of Wheaton, Illinois, (1985 to 1999).

Mount Sinai Hospital, Neuropsychiatry Service, Chicago, Illinois, (1999 to 2002).

Forensic Psychiatrist specializing in Neuropsychiatry, (1992 to 2014).

Neuropsychiatry Consultant, Edward Hines, Jr. Veterans Administration Hospital, Chicago, Illinois, (2012-2015).

Clinical Staff Appointments:

Great Lakes Naval Training Center, Great Lakes, Illinois Director, Outpatient Psychiatry Service, (1973 to 1975).

U.S. Naval Regional Medical Center, Great Lakes. Illinois LCDR, Director Neuropsychiatric Evaluation Unit (1973 to 1975).

State of Illinois, Department of Mental Health, Tinley Park Mental Health Center, Clinical Director, Joint Children's Program, Clinical Director, Adolescent Program (1975 to 1977).

City of Chicago, Division of Mental Health Community Mental Health Centers Consulting Psychiatrist, (1976 to 1979).

THE UNIVERSITY OF ILLINOIS AT CHICAGO COLLEGE OF MEDICINE (Department of Psychiatry)

Director, Outpatient Psychiatry Service, (1984 to 1991).

Director, Emergency and Intake Psychiatry Service, (1980 to 1984).

Associate Director Neuropsychiatry Division, (1991 to 2004).

Faculty Positions:

State University of New York, (SUNY) Syracuse, New York. Instructor in Psychiatry, (1973 to 1974).

The University of the Health Sciences, Chicago Medical School, Great Lakes, Illinois Instructor in Psychiatry, (1974 to 1975).

The University of Chicago, Division of Social Sciences, Department of History Lecturer, Arts and Sciences Basic to Human Biology and Medicine Program (ASHUM), (1977 to 1980).

The University of Chicago, Chicago, Illinois, Department of Psychiatry Assistant Professor of Psychiatry (1978-1980).

The University of Illinois at Chicago, College of Medicine:

Assistant Professor of Psychiatry, (1980-1984).

Adjunct Assistant Professor, Humanistic Studies, (1981-1984).

Associate Professor of Psychiatry (with tenure), (1984-1996).

Adjunct Associate Professor of Humanistic Studies, (1985-1991).

Adjunct Associate Professor of Neurology, (1991-1996).

Professor of Psychiatry (with tenure), (1996-2005). Retired 2005.

Adjunct Professor of Neurology, (1996-2005).

Professor of Clinical Psychiatry, (2012-2013).

Administrative Appointments:

United States Naval Training Center, Great Lakes, Illinois

Executive Officer, Recruit Evaluation Center, (1973-1975).

The University of Illinois at Chicago: College of Medicine

Associate Director, Residency Training Program, Psychiatry, (1979-1991).

Director, Outpatient Services, Department of Psychiatry, (1984-1990).

Director, Emergency Psychiatry Service, (1979-1984).

Associate Director, Neuropsychiatric Division, Department of Psychiatry, (1992-2005).

Organizations:

Institute of Electrical and Electronics Engineers, (IEEE), 2003.

Illinois State Psychiatric Association, 1975.

American Psychiatric Association, 1975, Fellow, 1987.

American Association for the Advancement of Science, 1976.

The Chicago Society for the History of Medicine, 1977.

The Medical Association of Cook County, 1979.

The Illinois State Medical Society, 1979.

The New York Academy of Science, 1979.

The American Medical Association, 1979 Alternate Delegate to Council from VIC, 1988.

The Religion and Ethics Institute for the Study of the History of Religion, Evanston, IL,

1973, Board of Directors, 1981, Associate Director, 1987 to 1993, Director 1993.

The American Historical Association, 1985.

The Liftwynn Foundation, Board of Directors, 1986

The American Neuropsychiatric Association, 1998.

Awards and Scholarships:

Scholarship Fund, The University of Chicago, Pritzker School of Medicine, 1965.

The Schuman Prize in History of Science, The History of Science Society, 1977.

Cleveland Fund Scholarship Award, University of Chicago, Department of History, Division of Social Science, 1977.

Phi Kappa Phi Honorary Society, University of Illinois at Chicago, 1984.

Merton Gill Award for Excellence in Teaching, University of Illinois at Chicago, 1997.

Academic Services: University Committee Memberships:

The University of Illinois at Chicago, College of Medicine:

Gold Humanism Awards Committee, (2000 to 2003).

Clinical Services Committee, Department of Psychiatry, (1989 to 1991).

Medical Staff By-Laws Committee, (1988 to 1991).

Student Awards committee, (1983 to 1988).

Head: Psychiatry Outpatient Services Committee, (1983 to 1991).

Committee on Ambulatory Services, (1984 to 1991).

Head: Emergency Services Committee, (1981 to 1984).

Student Appraisal Committee, (1980 to 1983).

Phase III Curriculum Subcommittee, (1981 to 1984).

Search Committee for Head of Psychiatry, 1989.

Departmental Credentials Committee, (1991 to 2004).

Head: Departmental Internal Review Board, 1991.

Head: Psychiatry Continuing Education Committee, (1998 to 2001).

Graduate Education Committee, (1994 to 1997).

UIC Hospital P & T Committee, (1988 to 1993).

Head: Physician Assistance Committee, (1998 to 2003).

Grants:

PSYCHIATRIC CLINIC FOR WOMEN WITH AIDS: University of Illinois at Chicago (Dept. of Psychiatry) \$375,000/year, Anonymous Donor, (1987 to 1991), T. H. Jobe, MD Director and Principle Investigator.

PSYCHOLOGICAL BASIS OF CULTS: A RESEARCH INSTITUTE, The Religion and Ethics Institute of Evanston, Evanston Illinois, \$80,000/year (1976-1980), National Endowment for the Humanities, (NEH), P. Gehl, Ph.D. (PI) T.H. Jobe, MD, (Co-PI) H. Teeple, Ph.D. (Co-PI)

TANDEM FAMILY SERVICES: A TREATMENT, TRAINING, AND STUDY PROGRAM FOR FAMILIES OF THE CHRONIC MENTALLY ILL, University of Illinois at Chicago (Dept. of Psychiatry) \$504,000, The Chicago Community Trust, F. Miller, M.D., Ph.D. (PI) (1985 - 1990), T. Jobe, MD, (Co-PI)

SCHIZOPHRENIC COGNITION: A LONGITUDINAL STUDY, National Institutes of Mental Health (NIMH), M. Harrow, Ph.D. (principal investigator), T. Jobe, M.D. (co-principal investigator) \$1,016,484 type: RO1 (4/197 to 3/31/02) (MH 26341).

RECOVERY IN SCHIZOPHRENIA: LONGITUDINAL COURSE, NIMH, M. Harrow, Ph.D. (principal investigator), T. Jobe, MD. (co-principal investigator), \$960,000 type: RO1 (7/1/04 to 6/30/08). (MH 068-688).

EFFICACY OF EEG NEUROFEEDBACK IN ACQUIRED BRAIN INJURY, UIC Department of Psychiatry, T. Jobe, MD, (principal investigator), (2002-2004).

CEREBRAL PERFUSION AND EFFICACY OF GALANTAMINE IN SUBCORTICAL VASCULAR DEMENTIA: Protocol #2003-0640 Janssen Research Foundation, T. Jobe, MD (principal investigator), \$385,000, (2002-2005).

LAMOTRIGINE AS AN ANTIPSYCHOTIC: A PILOT STUDY OF LAMOTRIGINE IN THE TREATMENT OF PSYCHOSIS IN SUBJECTS WITH DEMENTIA, GlaxoSmithKline MultiCenter Study, (principal investigator) O. Deleon, MD, (co-principal investigator) T. Jobe, MD, (2004-2006).

Clinical Services Developed:

1990 *The Abraham Low Institute, Chicago, Illinois.* Formed to further the ideas and develop the methods of self-help for psychiatric patients advanced by Abraham Low at the Neuropsychiatric Institute in Chicago.

1980 *Diagnostic and Emergency Services*. Developed to provide comprehensive diagnostic evaluations for patients entering the Department of Psychiatry for treatment. It involved the major teaching component for PGY-1 residents and a substantial component for PGY-3 resident education.

1983 Comprehensive Care Clinic. Created specifically to serve the needs of chronic schizophrenia patients. It involved a large commitment to psycho-educational techniques, group therapy, and rehabilitation.

1990 *UIC Psychiatric Sustaining Care Clinic*. Program developed for short term outpatient treatments including supportive psychotherapy, psychopharmacotherapy, group therapy, and cognitive therapy, to suit the needs of managed care programs with which the department of psychiatry had contracted.

1990 *UIC Psychiatric Partial Hospital Program*. Program developed to decrease the mean length of stay of psychiatric inpatients and to provide a teaching resource for the area of chronic psychiatric care.

1991 Neuropsychiatry Inpatient Unit at UIC Hospital and the Neuropsychiatry Outpatient and Consultation Services. Program provided "step-down" inpatient care and psychiatric follow-up care for neurosurgical and neurological patients with acquired brain disease or neurodegenerative disease.

1991 Division of Neuropsychiatry Outpatient Clinics. Served patients with traumatic brain injuries and acquired brain injuries due to neurological and neurosurgical conditions presenting with psychiatric symptoms.

1991 Neuropsychiatry Fellowship Training Program. Provided clinical and research fellowships for post residency candidates from the USA and other countries.

1998 UIC/Mount Sinai Hospital Traumatic Brain Injury Program. Chicago, IL. Provided specialized outpatient neuropsychiatric treatment and rehabilitation for patients with acquired brain injury.

2000 UIC Geropsychiatry and Behavioral Health Clinic. Joint program between Psychiatry and Geriatric Medicine for management of early dementia.

Courses Developed:

At the University of Chicago:

History of Medicine in Early Modern Europe (History 304), (1978 to 1980). Evolution of the Health Sciences (History 305), (1978 to 1980). Models of Human Behavior (Biosciences 108), (1978 to 1980).

At the University of Illinois at Chicago College of Medicine:

Decision Making in Emergency Psychiatry: (1981-1989).

Literature and Psychiatry: (1982-1988).

Behavioral Medicine: (1984-1992).

Social Psychiatry: Topics in Interpersonal Processes that lead to Violence, (1982-1994).

Mind and Brain: New Directions in Neurophilosophy: (1984-1990)(William Bechtel, PhD).

History and Philosophy of Medicine: The James Scholar Program, (1985-2006).

Medicine in the Ancient World. Medicine in Medieval Europe. Medicine during the Enlightenment. Twentieth Century Medicine: Course Sequence for Realities in Medicine, UIC, Humanistic Studies Program, College of Medicine, (1983-1990).

Legal and Ethical Issues in Medical Practice: (1982 -1988).

Changing Perspectives in Theories of Schizophrenia: 1984-1998).

Advanced Psychopathology: (1987-1993).

Biography and Psychiatry (Psychohistory Series): (1987-1994) (Hyman Muslin, MD).

Advanced Psychobiology: (1982-1989).

Clinical Neurosciences I and II: (1989-2004).

 $Neurofeed back\ Training\ for\ Traumatic\ Brain\ Injury, (2001-\ 2005).$

Post-Graduate Seminar in Neuropsychiatry, (1993-2005).

Post-Graduate Seminar on Psychosis: (Martin Harrow, PhD, (1993-2003).

Social Systems and Psychiatry: (Judith Richman, PhD, (2019-present).

Selected Refereed Publications:

Harrow M, Jobe, TH, Faull R, Wang J, A 20 Year Multi-Followup Longitudinal Study Assessing Whether Antipsychotic Medications Contribute to Work Functioning in Schizophrenia, Psychiatry Research, 256, (2017), 267-274.

Harrow M, Jobe, TH, Grossman L, The Administration of Antipsychotic Medications: 20 Years for Schizophrenia, Schizophrenia Bulletin, vol. 41, Supplement 1, S215-216, March 2015.

Harrow M, Jobe, TH, Grossman L, Faull R, The Long-Term Efficacy of Antipsychotics for Schizophrenia: A 20-year Multi-Followup Study, Schizophrenia Bulletin, vol. 41, Supplement 1, S214-215, March 2015.

Harrow M, Jobe TH, Grossman L, Faull R, The Continuous Administration of Antipsychotic Medication over 20 years for Schizophrenia: Relapse and Recovery, Proceedings of the 15th International Congress of Schizophrenia Research, March 2014.

Jobe, TH, Harrow M, Relapse with Oral Antipsychotics versus Long-Acting Injectable Antipsychotics: New Paradoxical Findings, *Evidence Based Mental Health*, 17 (3) 84-85, 2014.

Harrow M, Jobe TH, Faull R, Does Treatment of Schizophrenia with Antipsychotic Medications Eliminate Or Reduce Psychosis? A 20-Year Multi-Follow-up Study, *Psychological Medicine*, April 2014, p1-10.

Helgason, CM, Jobe TH, Towards a Science of Creativity: Homage to Lotfi Zadeh, *On Fuzziness: Computational Intelligence and Complexity*, Springer, Vol. 1, pp. 253-255, 2013.

Helgason CM, Jobe T, DeLeon O, Mazumdar D, A Structural Representation of Anticipatory Thought Process Using the Example of Clinical Medicine and the Physician, IEEE International Proceedings of Transactions on Systems, Man, and Cybernetics, Istanbul, Turkey, 2013.

Harrow M, Jobe T, Faull R. Do Antipsychotic Medications Over Prolonged Periods Eliminate Psychosis and Facilitate Recovery in Schizophrenia, Proceedings of the 14th International Congress on Schizophrenia Research, September, Denver CO, 2013.

Harrow M, Jobe T, Faull R, Does the Long-Term Use of Antipsychotic Medication Reduce Psychosis in Schizophrenia: A 20-Year Multi-Followup Study, Proceedings of the UIC, Department of Psychiatry Research Forum, Chicago IL, August, 2013.

Harrow M, Jobe T, At Issue: Does Long-Term Treatment of Schizophrenia with Antipsychotics Medications Facilitate Recovery? Schizophrenia Bulletin, Mar, 2013.

Harrow M, Rosen C, Grossman L, Jobe T, Kaplan K, Faull R, A 26-Year Longitudinal Study of Risk and Protective Factors Involved in recovery in Schizophrenia, Proceedings of the Second Annual Research Consortium, University of Illinois at Chicago, July, 2011.

Helgason, CM, Jobe TH, Fuzzy Engrams and Multiplex Coding: how the human brain makes fuzzy representations with the biology of synaptopoiesis, IEEE Soft Computing, pp. 1317-1319, 2010.

Jobe TH, Harrow M, Schizophrenia Course, Long-Term Outcome, Recovery; and Prognosis, Current Directions in Psychological Science, 2010 19(4): 220-225.

Helgason CM, Jobe TH, A Model of Conscious Percept Formation using Fuzzy Entropy Measures of Neuronal Multiplex Signals, Proceedings of NAFIPS, June 2010.

Harrow M, Jobe TH, Grossman LS, Goghan V, Faull RN, Lifetime Antipsychotic Treatment for All Schizophrenia patients?: A 26-year Evidence Based Approach, Proceedings of the 10th International Congress on Schizophrenia Research, March 2010.

Helgason CM, Jobe TH, Principled Versus Statistical Thinking in Diagnosis and Treatment of Stroke, Current Treatment Options in Cardiovascular Medicine (2010) 12:292-296.

Sripada BN, Henry DB, Jobe TH, Winer J, Schoeny M, Gibbons R, A Randomized Controlled Trial of a Feedback Method for Improving Empathic Accuracy in Psychotherapy; Psychology and Psychotherapy Theory, Research, and Practice, 2010.

Helgason CM, Jobe TH, *Progress away from "Evidence Based Medicine" to Discovery of Dynamic principles of Disease and its Treatment*, Proceedings of the IEEE International Conference on Systems Man and Cybernetics, 2009, p1113-1115.

Helgason CM, Jobe TH, Capturing the Dynamics of Perception in Fuzzy Space Time, Proceedings of NAFIPS, June, 2009.

Helgason CM, Jobe TH, *Interpreting Medical Risk at the Bedside Using Fuzzy Measures*, Proceedings of NAFIPS, 14-17, pp. 1-4, June, 2009.

Harrow M, Jobe T., Grossman L, Astrachan-Fletcher E, Bonner-Jackson A. Do All Schizophrenia Patients Need to use Antipsychotics Medications throughout their Lifetimes: A 26 Year Multi-Followup, Proceedings of the 9th International Congress of Schizophrenia Research, Schizophrenia Bulletin, 35: 293-294, Sup 1, Mar. 2009.

Harrow M, Jobe T, Does Aberrant Stimulus Salience Lead to Psychosis in Schizophrenia? Scientific Proceedings of the American Psychiatric Association, San Francisco CA, May 2009.

Helgason CM, Jobe TH, Matching the Individual Patient to the Results of Large Clinical Trials and Testing the Null Hypothesis using Fuzzy Logic, Proceedings of the 2nd World Conference on Paul Ehrlich and his Contribution to Clinical Medicine, Deutche Pharmazeutische Gesellschaft, Nuremberg Germany, Oct., 2008.

Helgason CM, Jobe TH, Measures of Symmetry Breaking of Conditions, Similarity, and Comparison: Predicting Information for the Single Patient, Proceedings of the 133rd Annual Meeting of the American Neurological Association, Sept, 2008, Salt Lake City, Utah

Harrow M, Jobe T, Fletcher E, Rosen C, Grossman L, Recovery in a Subgroup of Patients with Schizophrenia Who Discontinue Antipsychotic Medications: A 15-Year Multi-Follow-Up Study, Scientific Proceedings of the 161st Annual Meeting of the American Psychiatric Association, May 2008.

Harrow M, Jobe TH, How Frequent is Chronic Multiyear Delusional Activity and Recovery in Schizophrenia: A 20-Year Multi-Followup, Schizophrenia Bulletin, vol. 36 no. 1 pp. 192-204, 2010.

Helgason CM, Jobe TH, Causality and Clinical Medicine: Using Fuzzy Measures for Patient Prediction and Experimental Design, Proceedings of NAFIPS, Jun. 2008.

Helgason CM, Jobe TH, Measurable Prediction for the Single Patient and the Results of Large Double Blind Controlled Randomized Trials, Plos One, vol. 3, issue 4, April 2008.

Helgason CM, Jobe TH, Fuzzy Measures of Symmetry Breaking of Conditions, Similarity and Comparison: Non-Statistical Information for the Single Patient, The Open Cybernetics and Systemics Journal, Vol. 2, 11-19. 2008.

Helgason CM, Jobe TH, A Comparison of the Measure of Surprise Between Several Variables for Medical Control, Proceedings of NAFIPS, San Diego Ca. Jun. 2007.

Helgason CM, Jobe TH, Stroke is a Dynamic Process Best Captured Using a Fuzzy Logic Based Scientific Approach to Information and Causation, ICMED, Vol. 1, No. 1, Issue 1, 1-6, March 2007.

Harrow M, Jobe TH, Grossman L, Beedle D, Goldberg J, A 20-year Multi-Follow-up Study of Persecutory Delusions in Schizophrenia, 07-SCR-2026, Scientific Proceedings of the 160th Annual Meeting of the American Psychiatric Association, May 2007.

Harrow M, Jobe TH, Grossman L, Rosen C, Faull R, Do Patients With Schizophrenia Have Chronic Multi-Year Psychotic Activity: A 26 Year Multi-Followup Study, Proceedings of the Society For Research in Psychopathology Annual Meeting, Apr. 2007.

Harrow M, Grossman L, Jobe T, Rosen C, Kaplan K, Faull R. *Recovery in Schizophrenia-What Factors are Responsible?: A* 26-Year Follow-up, Proceedings of the 7th International Congress on Schizophrenia Research, Schizophrenia Bulletin, 33(2) Apr. 2007.

 $Harrow\ M, Jobe\ T, Astrachan-Fletcher\ E, \textit{Prognosis of Persecutory Delusions in Schizophrenia: A 20-year Longitudinal Study, Persecutory Delusions: Assessment, Theory and Treatment, (eds) Freeman\ D, Garety\ P,\ Bentall\ R, Oxford\ University\ Press, , 2008.$

Pavel D, Jobe T, Devore-Best S, Viewing the Functional Consequences of Traumatic Brain Injury using Brain SPECT, Brain and Cognition, 60 (2): 211-213, 2006.

Harrow M, Jobe T, Factors Involved in Outcome and Recovery in Schizophrenia Patients not on Antipsychotic Medications, The Journal of Nervous and Mental Disease, 195 (5) May, 2007.

Sripada B, Jobe TH, Active Systems Observations and Medical Information: A Single Case Study of Measurement of Personal and Empathic Processes, Transactions on Systems, Man, and Cybernetics, Annual Meeting, Taipei, Taiwan, Nov 2006.

Helgason CM, Jobe, TH, Representing Causation in Medicine: How Fuzzy "Sets as Points" Capture the Uniqueness of the Patient, Context, and Change in the Fuzzy Unit Hypercube, Medical Informatics Section, Transactions on Systems, Man, and Cybernetics Annual Meeting, Taiwan, Nov 2006.

Harrow M, Grossman LS, Jobe TH, Herberner ES, Los Pacientes con Esquizofrenia: alguna vez presentan periodos de recuperacion? Un studio de multiseguimiento a 15 anos, Schizophrenia Bulletin (Ed Esp), I (2):92-103, 2006.

Helgason CM, Torres A, Nieto JJ, Jobe TH, *The Importance of Initial Conditions and Unknown Variables for Warfarin Dosing Using Contour Plots of Fuzzy Causation*, Proceedings of NAFIPS, Montreal, CAN, 2006.

Helgason CM, Jobe TH, Consideration of Unknown Variables when Dosing Warfarin, Proceedings of the American Neurological Association 131st Annual Meeting, no: 950097, Apr. 2006.

Helgason CM, Jobe TH, Dickerson JA, Introduction to the Special Section on Fuzzy Logic in Biologic Systems and Medicine, IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics, Vol. 35, No. 6, Dec. 2005.

Sripada B, Jobe TH, Helgason CM, From Fuzzy Logic Toward Plurimonism: The Study of Active and Empathic Observation, IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics, Vol. 35, No. 6, Dec. 2005.

Jobe TH, Harrow M, Long-Term Outcome of Patients with Schizophrenia: A Review, Canadian Journal of Psychiatry, Vol 50, No 14, Dec. pp.892-899. 2005.

Harrow M, Jobe TH, Longitudinal Studies of Outcome and Recovery in Schizophrenia: Can They Make a Difference? Canadian Journal of Psychiatry Vol. 50, No 14, Dec. 2005.

Lopez, F, Jobe TH, Helgason CM, A Fuzzy Theory of Cortical Computation: Neuropoietic Engrams, Fuzzy Hypercubes, and The Nature of Consciousness, Medical Hypotheses, Vol 66, pp. 121-132, 2005.

Jobe TH, Helgason, CM, Fuzzy Logic and Cellular Automata allow Individual Differences in Clinical Response to be Measured, Proceedings of NAFIPS, 2005.

Harrow M, Grossman L, Jobe T, Herbener E, Do Patients with Schizophrenia Ever Show Periods of Recovery?: A 15 year Multi-Follow-up Study. Schizophrenia Bulletin, 31: 723-4, 2005.

Shirk H, Harrow M, Jobe T, The Relationship of Stress and Anxiety in Schizophrenia to Psychosis: A 20-Year Multi-Followup Study. Scientific Proceedings of the Annual Meeting for the Midwestern Psychological Association, 109, 2005.

Harrow M, Jobe T, Grossman L, Martin E, Faull R, Do all Patients with Schizophrenia need Antipsychotic Medications Continuously? A 20-year Multi-Follow-up Study. Schizophrenia Bulletin 31:486, 2005.

Helgason, CM, Jobe TH, Fuzzy Logic and Continuous Cellular Automata permit a measure of unique action to describe and predict the difference in Clinical Response of Individual Stroke Patients to Therapy with Warfarin, Current Treatment Options in Cardiovascular Medicine, vol. 7, pp. 211-215, June 2005.

Harrow M, Grossman L, Jobe T, Goldberg J, Faull R. Do Schizophrenia Patients Show periods of Complete Recovery: A 20 year Followup. Scientific Proceedings of the 147th Annual Meeting of the American Psychiatric Association, 76, Publisher: APA, Wash. DC. 2004.

Helgason CM, Jobe TH, Features of the fuzzy clinical measure K, Proceedings of NAFIPS, p186-192, 2004.

Jobe TH, Neuropsychiatry, pp. 1144-1147, in Encyclopedia of Disability, Vol. 3, (ed) Gary L. Albrecht, Sage Publications, 2006.

Jobe TH, Psychiatry, pp. 1309-1313, Encyclopedia of Disability, Vol. 3, (ed) Gary L. Albrecht, Sage Publications, 2006.

Harrow M, Herbener ES, Shanklin A, Jobe TH, Rattenbury F, Kaplan KJ, Followup of Psychotic Outpatients: Dimensions of Delusions and Work Functioning in Schizophrenia, Schizophrenia Bulletin, 30 (1):147-161, 2004.

Helgason CM, Jobe, TH, Fuzzy Logic and Causal Reasoning with an "n" of "1" for Diagnosis and Treatment of the Stroke Patient, Expert Review Neurotherapeutics 4(2), pp. 89-94, 2004.

Helgason CM, Jobe TH, The Measure of Causality in Perception Based Dosing of the Individual Patient and Responsiveness to Therapeutic Intervention, International Journal of Computational Cognition, vol.3, no.1, March 2005.

Harrow M, Jobe TH, Herbener ES, Goldberg JF, Kaplan KJ, Thought Disorder in Schizophrenia: Working Memory and Impaired Context, The Journal of Nervous and Mental Disease, vol. 192, no 1, pp 1-9. Jan. 2004.

Helgason CM, Jobe TH, How Measured Dimensions Affect Fuzzy Causal Measures of Vitamin Therapy for Hyperhomocysteinemia in Stroke Patients. Proceedings of NAFIPS, July 2003.

Helgason CM, Jobe TH, Perception Based Reasoning and Fuzzy Cardinality Provide Direct Measures of Causality Sensitive to Initial Conditions in the Individual Patient, International Journal of Computational Cognition, vol. 1, no. 2:79-104, 2003.

Harrow M, Jobe T, Grossman L, Herbener E, Faull R. Does Psychosis Decline as Schizophrenia Patients get older? A 20 year follow-up. Scientific Proceedings of the 18th Annual Meeting of the Society for Research in Psychopathology: 21,2003

Harrow M, O'Connell E, Herbener E, Altman E, Kaplan K, Jobe T. Disordered Verbalizations in Schizophrenia: A Speech Disturbance or a Thought Disorder? Comprehensive Psychiatry, 2003, pp. 353-359.

Harrow M, Jobe T, Herbener E, Grossman L. Biological Mechanisms in Schizophrenic Thought Disorder and Delusions, Proceedings of the American Psychiatric Association, 2003.

Harrow M, Herbener E, Jobe T, Gold J, Marengo J. Do Schizophrenic Patients Show Impaired Abstraction, and if they do, What are the Consequences? : A 20-year Longitudinal Study, Proceedings of the American Psychiatric Association, 2003

Harrow M, Jobe T, Herbener E, Summers K, Faull R. Formal Thought Disorder: What mechanisms are involved when Schizophrenics say and think strange things?, Proceedings of the International Congress on Schizophrenia Research, Schizophrenia Research, 60:170, 2003.

Jobe TH, Lopez F, Helgason CM. Fuzzy Logic and the Brain Code. Proceedings of NAFIPS, July, 2003.

Helgason CM, Jobe TH. An Individualized Patient Measure of Causal Power of FOLTX in Lowering Plasma Homocysteine Levels. Proceedings of the American Neurological Association, Oct, 2002.

Helgason CM, Jobe TH. Necessary and Sufficient Cause May Be Measured by Fuzzy Cardinality and Derive Edge Strength Connections in Fuzzy Cognitive Maps. Proceedings of NAFIPS, 2002.

Jobe TH, Helgason CM, A Fuzzy Causal Measure of Individual Patient Treatment Response. Proceedings of NAFIPS, 2002.

Harrow M, Herbener E, Jobe T, Goldberg J, Martin E, The Relationship Between Negative and Positive Symptoms: A 15-year Follow-up Study. Proceedings of the American Psychiatric Association, Aug. 2002.

Harrow M, Jobe T, Herbener E, Summers K, Marengo J, Thought Disorder in Schizophrenia: Empirical Test of a Theoretical Model. Proceedings of the American Psychiatric Association, Aug. 2002.

Helgason CM, Watkins FA, Jobe TH, Measurable Differences between the Sequential and Parallel Diagnostic Decision Processes for determining Stroke Subtype: A representation of interacting pathologies. Thrombosis and Haemostasis, 88:210-212, 2002.

Jobe TH, Helgason CM, Kim A, Roitberg BZ, Show Me the Numbers: The Application of Numbers to Medical Science. Surgical Neurology, vol. 56, no. 1:3-7, 2001.

Helgason CM, Jobe TH, Coexisting Causes of Ischemic Stroke. Archives of Neurology, 58:676, 2001.

Gaviria M, Jobe T, Medina D, Delirios Secundarios, A Patologias Neurologias, in J. Vellejo and L. Sanchez Planell (eds) Actualizacion en Delirios, Aula Medica Ediciones, Madrid, 2001, pp. 107-124.

Helgason CM, Jobe TH. Fuzzy Logic Best Represents Causation for Disease Process and Physician Behavior. Proceedings of NAFIPS, 2001

Helgason CM, Jobe TH. Statistical Versus Fuzzy Measures of Variable Interaction in Patients with Stroke. Neuroepidemiology, 20:57-65, 2001.

Harrow M, Herbener E, Jobe T. Thought Disorder: Why Do Schizophrenic Patients Say and Think Strange Things? Proceedings of the International Congress on Schizophrenia Research, Apr. 2001.

Helgason CM, Jobe TH, A Fuzzy Logic—Based "Evidence—Based" Medicine--Best Reflects Understanding of Disease Processes and Physician Behavior, in Nikos E. Mastorakis (ed), Advances in Fuzzy Systems and Evolutionary Computation, World Scientific and Engineering Society Press, Danvers, MA, USA, pp. 199-204, 2001.

Harrow M, Herbener E, Jobe T, Lee S, O' Connell E, Silverstein M, Faull R, Thought Disorder in Schizophrenia and Bipolar Disorders: In What Ways are Their Associative Processes Aberrant? Schizophrenia Research, 49:135-136, 2001.

Harrow M, Green KE, Sands JR, Jobe TH, Goldberg JF, Kaplan KJ, Martin EM Thought Disorder in Schizophrenia and Mania: Impaired Context, Schizophrenia Bulletin, 26(4):879-91, 2000.

Helgason CM, Jobe TH, Imagery as the Strategy for Contouring: Defining Contour for Vascular Stenosis Viewed from Inside the Vessel—a Fuzzy Image Solution. Proceedings of NAFIPS. July, 2000.

Helgason CM, Jobe TH, Causal interactions, fuzzy sets and cerebrovascular 'accident': the limits of evidence-based medicine and the advent of complexity-based medicine. Neuroepidemiology .18(2):64-74, 1999.

Jobe T, Harrow M. Delusions. In A.E. Kadzin (Ed.), Encyclopedia of Psychology. 467-469, Oxford University Press, New York, N.Y. 2000.

Helgason CM, Mordeson JN, Ching SC, Nutescu E, Jobe TH, Brace LD, The Measure of Interaction of Aspirin-Clopidogrel for ex vivo Platelet Aggregation in Patients with Ischemic Stroke, *Annals* of *Neurology*, 48 (3) 424-424.

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The role of Histamine Blocking Drugs in preventing Flashbacks in Brain Injured Veterans with PTSD, Psychiatry Grand Rounds, Jessie Brown Veterans Administration Hospital, Chicago, IL Mar 2007

Dosing Warfarin Using Fuzzy Logic, American Neurological Association Annual Meeting, Chicago, Il Nov. 2006.

Representationalism and Neuroscience: A Critique of the Neuron Doctrine and the Role of the Electrotonic Synapse. Seminar on Neurodevelopment, Section of Child Psychiatry, IJR, UIC, Chicago Illinois, Aug. 2005.

Neuropoiesis and the Fuzzy ART of Cortical Computation, presented to the Neuropsychology/Neuropsychiatry Joint Conference on Brain Imaging and Cognition, UIC, Chicago, Illinois, June 2004.

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Can altered states of consciousness lead to psychosis? National Alliance for the Mentally III. Ravenswood hospital medical center, Chicago. March 1986.

Teaching Anderson's Psychoeducation program to families of schizophrenic patients. Pilsen Little village community mental health center. Chicago. February 1986.

Commentary on Max Hernandez's paper, 'A psychohistorical understanding of the fall of the Inca civilization'. Simon Bolivar Research Center. University of Illinois college of Medicine at Chicago. February, 1986.

Neurophysiological Markers in the Diagnosis of Dissociative Identity Disorder. Grand Rounds, Illinois Masonic Medical Center. Chicago. January 1986.

Fourteen and Six per second positive posterior temporal EEG spikes in patients with dissociative amnesia and dissociative identity disorder. Ground Rounds, Department of Psychiatry, University of Kansas, Kansas city, KS. Dec 1985

Commentary on Professor Jaravsky's presentation: 'Psychoprisons and Psychiatry under Stalin,' History Colloquium, Department of History, Northwestern University, Evanston, Illinois. Nov. 1985.

Managing the Violent Medical and Surgical Patient in the Emergency Room, Department of Emergency Medicine, Mercy Hospital, Chicago, Illinois, Nov 1985.

For No Apparent Reason: Discovering Motivations behind Serial Murders Committed by the Persons Suffering from Childhood Trauma. Medical Grand Rounds. Providence St. Margaret Health Center, Kansas City, Kansas. July, 1985.

Traumatic Memory Surfacing for the First Time During the Twilight Years, University of Illinois Foundation, Conference on The Future of Geriatric Medicine, Chicago, May, 1985.

Chronic Illness and Suicide in the Geriatric Population: Changing Trends in the 20th Century, Conference on Psychosocial Epidemiology, School of Public Health, University of Illinois College of Medicine at Chicago, April 1985.

Thomas Laycock's Theory of the Unconscious Mind and its Relationship to the Metaphysics of William Hamilton, Park Ridge Center Conference on Psychiatry and Religion, Marco Beach, Florida. March 1985.

Early Signs of Dementia and the Role of Brain Imaging in the Diagnosis. Geriatric Clinical Colloquium. University of Illinois hospital, Chicago. April, 1985.

Child Abuse and the Westermark hypothesis: A psychohistorical perspective.
Central New York District Branch, New York Psychiatric Association Annual Meetings, Syracuse. Dec 1984.

Management of sequellae of severe physical injury in the psychiatric liaison setting, Department of Community Medicine. Mercy Hospital, Chicago. November, 1984.

From Phrenology to Modern Brain Imaging: Psychiatry and the Brain, 1830-1980. Humanistic Studies Program Ethics Seminar, University of Illinois College of Medicine at Chicago. Nov 1984.

Mystical states, Out of body experiences, Near death experiences from a Psychohistorical Perspective. Annual Meeting, Religion, Ethics, and Psychiatry, Illinois Psychiatric Society. Chicago. Nov 1984.

Session on Science versus Spiritualism in the 19th century America. Chairman of Conference Session on Religion and Science. The American Society of Church History. Denver, CO. May 1984.

Mapping the Mind: Some ethical implications of modern brain research. The Vaux Seminar on Medical Ethics, Northwestern University, Chicago, IL Feb 1983.

John Webster and the Role of Paracelcian-Helmontian Science in the Witchcraft Debates of the Late 17th Century, Renaissance Science, Huntington Library, SanMarino, CA, June, 1983.

Hysteria and witcheraft in Arthur Miller's 'The Crucible': the psychosocial origins of persecution. Department of Communication and Theater, UIC, Apr 1982.

Social factors in the rise and decline of moral therapy in 19th century American psychiatry. Grand Rounds, Department of Psychiatry, University of Chicago, Pritzker School of Medicine. Nov 1982.

How to manage patient's delusional beliefs about their medical conditions in the emergency situation, The Third National Symposium on Psychosocial Factors in Emergency Medicine, Mercy Medical Center, Chicago, IL. Oct 1982.

Cultural factors in psychiatric treatment: building the asylum system in 19th century Europe and America. Symposium on the role of the asylum in the rise of psychiatry, Annual conference of Illinois Psychiatric Society, Chicago, Nov 1981.

Doctors or Demons: the witchcraft polemics in 17th century England. Grand Rounds, Dept. of Psychiatry, UIC, Chicago, Oct 1981.

Effective management of violent the psychotic inpatient, Illinois Dept. of Mental Health Continuing Education Conference, Tinley Park Mental Health Center, Tinley Park, IL Aug 1981.

The elderly infirm: legal and clinical issues in acute, long term, and community care. The American Bar Association (ABA), National Conference on the Legal and Mental Health Professions. Chicago, IL June 1981.

The challenge of immigration to the development of American Psychiatry in the 19th and early 20th centuries. Symposium on culture and psychiatry. Annual Convention, American Psychiatric Association. New Orleans, LA May 1981.

The role of race and ethnicity in the diagnosis and disposition of psychiatric patients in the emergency setting. Annual Meeting, American Psychiatric Association. New Orleans, LA May 1981.

Psychiatric assessment of the temporarily incompetent geriatric patient in the medical setting. Grand Rounds, Dept. of Psychiatry, Loyola Medical Center, IL Apr 1981.

Medical metaphors for disease processes in 17th century European classification schemes. Northwestern University, Dept of History, Renaissance conference on the history of rhetoric in early modern Europe. The Newbury Library, Chicago, IL July 1981.

Karl Ludwig Kahlbaum's unitary psychosis concept: implications for modern psychiatric diagnostic nomenclatures. Grand Rounds, Dept. of Psychiatry, Lutheran General Hospital and Medical Center, Park Ridge, IL Feb 1980.

John Hughlings Jackson, Cesare Lombroso, and Max Nordau: the concept of dysevolution in 19th and early 20th century European psychiatry. Symposium on Psychiatry in Historical Perspective. Illinois Psychiatric Society, Fall Conference, Nov 1980.

Violent patients: the role of persecutory delusions. Conference on Continuing Education, American Medical Association, (AMA), Chicago IL Aug 1980.

Toxic psychosis: the result of epidemics of polypharmacy. Grand Rounds, College of Pharmacy, UIC, Chicago IL July 1980.

Deinstitutionalization and the rise of community psychiatry: 1950-80. City of Chicago Department of Mental Health, Lawndale Community Mental Health Center, Chicago IL June 1980.

Commentary on Dr.Aron Katcher's; A proposal for humane treatment of animals in science: Psychiatric aspects of the human-companion animal bond from the 17th century to the present. National Conference on Animals in Scientific Research, Humanistic Studies Program, UIC, May 1980.

Assessing altruistic suicide: a new look at the sociological factors and some psychological insights. Affective Disorders Clinic Annual Community Conference, UIC, Mar 1980.

Darwin's influence on Freud: assessing recent work in the history of science and medicine. Grand Rounds, Dept of Medicine, UIC, Dec 1979.

Commentary on Richard Mason's theory: saving lives through military medical triage in WWII. National Conference on Military History, The Newbury Library, Chicago, IL Feb 1979.

Traumatic memory and shell shock in WW I: the role of gas warfare. National Conference on Military History. The Newbury Library, Chicago IL Feb. 1979.

Manic depressive illness: the history of the concept and its place in psychiatric diagnostic nomenclatures. Grand Rounds, Dept of Psychiatry, University of Chicago, Pritzker School of Medicine, Chicago IL Aug 1978.

The problem of the therapeutic life cycle in the efficacy of psychiatric treatments: is there intrinsic continuous progress in mental health treatments? Department of History, Division of the Social Sciences, University of Chicago, Chicago IL Dec 1977.

The application of the rehabilitation model to the mental health field. Lecture Series in Continuing Education, Department of Mental Health, State of Illinois, Chicago Heights, IL Sep 1977.

Psychopharmacology and the therapeutic life cycle. Center Directors Conference, Board of Health, Roseland Community Mental Health Center, Aug 1977.

Managing the long-term use of antipsychotic medications for patients with Schizophrenia. Lecture Series, Roseland Community Mental Health Center. June 1977.

Medical vitalism and the treatment of melancholia in the works of Robert Fludd, Jan Baptist van Helmont, and Georg Ernst Stahl. Morris Fishbein Lecture Series in the History of Science and Medicine. Division of the Social Sciences, University of Chicago, Mar 1977.

Iatrochemical versus iatromechanical theories of mental disorder in 17th and 18th century Europe. Society of Medical History of Chicago, International College of Surgeons, Chicago IL, Feb 1977.

The role of the "cult of curability" in the development of the psychiatric asylum in 19th century America. National Conference on Mental Health, The Erikson Institute, Chicago IL Oct 1976.

Psychiatric treatment for the violent offender and extended psychiatric care for those declared "not guilty by reason of insanity". Department of Corrections, Tri-Agency Program, Tinley Park Mental Health Center, Tinley Park IL, July 1976.

How arbitrary were the psychiatric diagnostic nomenclatures of the 19th and early 20th centuries? Continuing Education Conference, Tinley Park Mental Health Center, Tinley Park IL, June 1976.

Future geopolitical and psychohistorical implications of the termination of the draft in the United States, The National Conference on Military Manpower, Memphis, TN May 1975.

Drug use and psychological trauma in the U.S. military during the Viet Nam war: implications for military psychiatry. Congress on Human Goals, Great Lakes Naval Regional medical Center, Great Lakes, IL Oct 1974.

Why should medical history and history of science be taught to medical students? Carnegie Commission Conference on the Future of Medical Education in the United States, State University of New York, Upstate Medical Center (SUNY), Syracuse, NY Feb 1973.

Empiricism versus rationalism in the history of medicine: the origins of clinical science. Grand Rounds, Dept. of Psychiatry, SUNY, Upstate Medical Center, Syracuse, NY June 1972.

Bad trips: Do drug induced flashbacks release traumatic memories from early life? Conference on Drug Induced Psychosis, SUNY, Upstate Medical Center, Syracuse, NY Feb. 1971.