Stanford



Carl Feinstein

Bio

ACADEMIC APPOINTMENTS

- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Director, Division of Child and Adolescent Psychiatry, Department of Psychiatry and Behavioral Sciences, (2005-2013)
- Director, Stanford Autism Center at Packard Children's Hospital, Lucile Packard Children's Hospital Stanford University School of Medicine, (2005-present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board Member, Stanford New Schools, Stanford School of Graduate Education (2006 - present)

COMMUNITY AND INTERNATIONAL WORK

- elected member of Nominating Committee, American Academy of Child and Adolescent Psychiatry
- Board Member, AchieveKids

LINKS

- Child and Adolescent Psychiatry website: http://childpsychiatry.stanford.edu/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Autism and Asperger's Disorder.

Genetically-based neurodevelopmental disorder, including Velocardiofacial Syndrome, Smith-Magenis Syndrome, Williams Syndrome, and Fragile X Syndrome.

Intellectual Disability (mental retardation) and psychiatric disorders.

Developmental Language Disorder and Learning Disabilities.

Sensory impairment in children, including visual and hearing impairment.

Psychiatric aspects of medical illness and disability in children.

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Child Psychiatry (Fellowship Program)
- Psychiatry and Behavioral Science (Fellowship Program)

Publications

PUBLICATIONS

- **SUPERPOWER GLASS** *MOBILE COMPUTING AND COMMUNICATIONS REVIEW*
  Kline, A., Voss, C., Washington, P., Haber, N., Schwartz, J., Tariq, Q., Winograd, T., Feinstein, C., Wall, D. P.
  2019; 23 (2): 35–38
- **Effect of Wearable Digital Intervention for Improving Socialization in Children With Autism Spectrum Disorder A Randomized Clinical Trial** *JAMA PEDIATRICS*
  Voss, C., Schwartz, J., Daniels, J., Kline, A., Haber, N., Washington, P., Tariq, Q., Robinson, T. N., Desai, M., Phillips, J. M., Feinstein, C., Winograd, T., Wall, et al
  2019; 173 (5): 446–54
- **Exploratory study examining the at-home feasibility of a wearable tool for social-affective learning in children with autism.** *NPJ digital medicine*
  Daniels, J., Schwartz, J. N., Voss, C., Haber, N., Fazel, A., Kline, A., Washington, P., Feinstein, C., Winograd, T., Wall, D. P.
  2018; 1: 32
- **Feasibility Testing of a Wearable Behavioral Aid for Social Learning in Children with Autism** *APPLIED CLINICAL INFORMATICS*
  Daniels, J., Haber, N., Voss, C., Schwartz, J., Tamura, S., Fazel, A., Kline, A., Washington, P., Phillips, J., Winograd, T., Feinstein, C., Wall, D. P.
  2018; 9 (1): 129–40
- **Superpower Glass: Delivering Unobtrusive Real-time Social Cues in Wearable Systems**
  Voss, C., Washington, P., Haber, N., Kline, A., Daniels, J., Fazel, A., De, T., McCarthy, B., Feinstein, C., Winograd, T., Wall, D., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2016: 1218–26
- **Asperger syndrome and DSM-5: a dilemma for a college freshman.** *Journal of developmental and behavioral pediatrics*
  Galligan, M. G., Feinstein, C., Sulkes, S. S., Bisagno, J. M., Stein, M. T.
  2013; 34 (7): 529-532
- **Salience Network-Based Classification and Prediction of Symptom Severity in Children With Autism** *JAMA PSYCHIATRY*
  Uddin, L. Q., Supekar, K., Lynch, C. J., Khouzam, A., Phillips, J., Feinstein, C., Ryali, S., Menon, V.
  2013; 70 (8): 869-879
- **Helping Children Exposed to War and Violence: Perspectives from an International Work Group on Interventions for Youth and Families** *CHILD & YOUTH CARE FORUM*
  Kletter, H., Rialon, R. A., Laor, N., Brom, D., Pat-Horenczyk, R., Shaheen, M., Hamiel, D., Chemtob, C., Weems, C. F., Feinstein, C., Lieberman, A., Reicherter, D., Song, et al
  2013; 42 (4): 371-388
- **Music** *JOURNEY OF CHILD DEVELOPMENT: SELECTED PAPERS OF JOSEPH D. NOSHPITZ*
  Feinstein, C., Noshpitz, J. D.
  edited by Sklarew, B., Sklarew, M.
  2011: 55–64
- **Introduction: Joseph Noshpitz (1922-1997)** *JOURNEY OF CHILD DEVELOPMENT: SELECTED PAPERS OF JOSEPH D. NOSHPITZ*
  Benoit, M., Feinstein, C.

edited by Sklarew, B., Sklarew, M.
2011: XIX-XXVIII

- **Stranded, Part II: Velocardiofacial Syndrome, Behavioral Neurogenetics, and the Study of Developmental Psychopathology** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
  Feinstein, C.
  2009; 48 (11): 1049-1050
- **Psychiatric Phenotypes Associated with Neurogenetic Disorders** *PSYCHIATRIC CLINICS OF NORTH AMERICA*
  Feinstein, C., Chahal, L.
  2009; 32 (1): 15-?
- **Social phenotypes in neurogenetic syndromes** *CHILD AND ADOLESCENT PSYCHIATRIC CLINICS OF NORTH AMERICA*
  Feinstein, C., Singh, S.
  2007; 16 (3): 631-?
- **Risk factors for the emergence of psychotic disorders in adolescents with 22q11.2 deletion syndrome** *AMERICAN JOURNAL OF PSYCHIATRY*
  Gothelf, D., Feinstein, C., Thompson, T., Gu, E., Penniman, L., Van Stone, E., Kwon, H., Eliez, S., Reiss, A. L.
  2007; 164 (4): 663-669
- **Psychotic symptoms in children and adolescents with 22q11.2 deletion syndrome: Neuropsychological and behavioral implications** *SCHIZOPHRENIA RESEARCH*
  Debbane, M., Glaser, B., David, M. K., Feinstein, C., Eliez, S.
  2006; 84 (2-3): 187-193
- **The Neurobiology of Williams-Beuren Syndrome** *Williams-Beuren syndrome : research, evaluation, and treatment*
  C. Morris, H. Lenhoff & P. Wang, Feinstein, C. & Reiss, A.
  2006
- **COMT genotype predicts longitudinal cognitive decline and psychosis in 22q11.2 deletion syndrome** *NATURE NEUROSCIENCE*
  Gothelf, D., Eliez, S., Thompson, T., Hinard, C., Penniman, L., Feinstein, C., Kwon, H., Jin, S. T., Jo, B., Antonarakis, S. E., Morris, M. A., Reiss, A. L.
  2005; 8 (11): 1500-1502
- **Psychiatric problems in children, adolescents and young adults with velo-cardio-facial syndrome**
  Feinstein, C., Braissand, Debbane, M., Glaser, B., Eliez, S.
  EDITIONS SCIENTIFIQUES MEDICALES ELSEVIER.2004: 95S–96S
- **Developmental disorders of learning, motor skills, and communication** *Textbook of Child and Adolescent Psychiatry*
  J. Weiner & M. Dulcan, Feinstein, C. & Phillips, J.
  2004: 351-379
- **Responses and sustained interactions in children with mental retardation and autism** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
  Jackson, C. T., Fein, D., Wolf, J., Jones, G., Hauck, M., Waterhouse, L., Feinstein, C.
  2003; 33 (2): 115-121
- **Psychiatric disorders and behavioral problems in children with velocardiofacial syndrome: Usefulness as phenotypic indicators of schizophrenia risk** *BIOLOGICAL PSYCHIATRY*
  Feinstein, C., Eliez, S., Blasey, C., Reiss, A. L.
  2002; 51 (4): 312-318
- **Oxytocin and autistic disorder: Alterations in peptide forms** *BIOLOGICAL PSYCHIATRY*
  Green, L. A., Fein, D., Modahl, C., Feinstein, C., Waterhouse, L., Morris, M.
  2001; 50 (8): 609-613
- **The fragile X syndrome: bridging the gap from gene to behavior** *CURRENT OPINION IN PSYCHIATRY*
  Eliez, S., Feinstein, C.
  2001; 14 (5): 443-449

- **Predictors and correlates of adaptive functioning in children with developmental disorders** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
  Liss, M., Harel, B., Fein, D., Allen, D., Dunn, M., Feinstein, C., Morris, R., Waterhouse, L., Rapin, I.
  2001; 31 (2): 219-230
- **Autistic disorder versus other pervasive developmental disorders in young children: same or different?** *EUROPEAN CHILD & ADOLESCENT PSYCHIATRY*
  ALLEN, D. A., Steinberg, M., Dunn, M., Fein, D., Feinstein, C., Waterhouse, L., Rapin, I.
  2001; 10 (1): 67-78
- **Executive functioning in high-functioning children with autism** *JOURNAL OF CHILD PSYCHOLOGY AND PSYCHIATRY*
  Liss, M., Fein, D., Allen, D., Dunn, M., Feinstein, C., Morris, R., Waterhouse, L., Rapin, I.
  2001; 42 (2): 261-270
- **The velocardiofacial syndrome in psychiatry** *CURRENT OPINION IN PSYCHIATRY*
  Feinstein, C., Eliez, S.
  2000; 13 (5): 485-490
- **Young children with Velo-Cardio-Facial syndrome (CATCH-22). Psychoiogical and language phenotypes** *EUROPEAN CHILD & ADOLESCENT PSYCHIATRY*
  Eliez, S., Palacio-Espasa, F., Spira, A., LACROIX, M., Pont, C., Luthi, F., Robert-Tissot, C., Feinstein, C., Schorderet, D. F., Antonarakis, S. E., Cramer, B.
  2000; 9 (2): 109-114
- **Subgroups of children with autism by cluster analysis: A longitudinal examination** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
  Stevens, M. C., Fein, D. A., Dunn, M., Allen, D., Waterhouse, L. H., Feinstein, C., Rapin, I.
  2000; 39 (3): 346-352
- **Subtypes of pervasive developmental disorder: Clinical characteristics** *CHILD NEUROPSYCHOLOGY*
  Fein, D., Stevens, M., Dunn, M., Waterhouse, L., Allen, D., Rapin, I., Feinstein, C.
  1999; 5 (1): 1-23
- **Memory for faces in children with autism** *CHILD NEUROPSYCHOLOGY*
  Hauck, M., Fein, D., Maltby, N., Waterhouse, L., Feinstein, C.
  1998; 4 (3): 187-198
- **Autism: The point of view from fragile X studies** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
  Feinstein, C., Reiss, A. L.
  1998; 28 (5): 393-405
- **Plasma oxytocin levels in autistic children** *BIOLOGICAL PSYCHIATRY*
  Modahl, C., Green, L., Fein, D., Morris, M., Waterhouse, L., Feinstein, C., Levin, H.
  1998; 43 (4): 270-277
- **Pitocin induction and autism** *AMERICAN JOURNAL OF PSYCHIATRY*
  Fein, D., Allen, D., Dunn, M., Feinstein, C., Green, L., Morris, R., Rapin, I., Waterhouse, L.
  1997; 154 (3): 438-439
- **Psychiatric disorder in mentally retarded children and adolescents - The challenges of meaningful diagnosis** *CHILD AND ADOLESCENT PSYCHIATRIC CLINICS OF NORTH AMERICA*
  Feinstein, C., Reiss, A. L.
  1996; 5 (4): 827-?
- **Diagnosis and classification in autism** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
  Waterhouse, L., Morris, R., Allen, D., Dunn, M., Fein, D., Feinstein, C., Rapin, I., Wing, L.
  1996; 26 (1): 59-86
- **Social initiations by autistic children to adults and other children** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
  Hauck, M., Fein, D., Waterhouse, L., Feinstein, C.

1995; 25 (6): 579-595

- **IS THERE A NEED FOR OBSERVATIONALLY BASED ASSESSMENT OF AFFECTIVE SYMPTOMATOLOGY IN CHILD AND ADOLESCENT-PSYCHIATRY** *ADOLESCENCE*
  Kaminer, Y., Feinstein, C., Seifer, R.
  1995; 30 (118): 483-489

- **THERAPEUTIC APPROACHES TO DELINQUENCY - THE NEGATIVE IDEAL** *AMERICAN JOURNAL OF PSYCHOTHERAPY*
  Feinstein, C.
  1994; 48 (3): 328-329

- **ADOLESCENT ADJUSTMENT TO CHRONIC PHYSICAL DISORDERS .1. COMPARING NEUROLOGICAL AND NONNEUROLOGICAL CONDITIONS** *JOURNAL OF CHILD PSYCHOLOGY AND PSYCHIATRY AND ALLIED DISCIPLINES*
  Howe, G. W., Feinstein, C., Reiss, D., Molock, S., Berger, K.
  1993; 34 (7): 1153-1171

- **AN OBSERVATIONALLY BASED RATING-SCALE FOR AFFECTIVE SYMPTOMATOLOGY IN CHILD-PSYCHIATRY** *JOURNAL OF NERVOUS AND MENTAL DISEASE*
  Kaminer, Y., Feinstein, C., Seifer, R., Stevens, L., Barrett, R. P.
  1990; 178 (12): 750-754

- **A CASE-REPORT OF NALTREXONE TREATMENT OF SELF-INJURY AND SOCIAL WITHDRAWAL IN AUTISM** *1989 ANNUAL MEETING OF THE EASTERN PSYCHOLOGICAL ASSOC*
  Walters, A. S., Barrett, R. P., Feinstein, C., Mercurio, A., Hole, W. T.
  PLENUM PUBL CORP.1990: 169–76

- **SOCIAL RELATEDNESS AND AUTISM - CURRENT RESEARCH, ISSUES, DIRECTIONS** *RESEARCH IN DEVELOPMENTAL DISABILITIES*
  Walters, A. S., Barrett, R. P., Feinstein, C.
  1990; 11 (3): 303-326

- **EFFECTS OF NALOXONE AND NALTREXONE ON SELF-INJURY - A DOUBLE-BLIND, PLACEBO-CONTROLLED ANALYSIS** *AMERICAN JOURNAL ON MENTAL RETARDATION*
  Barrett, R. P., Feinstein, C., Hole, W. T.
  1989; 93 (6): 644-651

- **EFFECTS OF FENFLURAMINE ON SOCIAL-BEHAVIOR IN AUTISTIC-CHILDREN** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
  Reiss, A. L., Egel, A. L., Feinstein, C., Goldsmith, B., BORENGASSERCARUSO, M. A.
  1988; 18 (4): 617-625

- **MENSTRUALLY RELATED MOOD DISORDER IN DEVELOPMENTALLY DISABLED ADOLESCENTS - REVIEW AND CURRENT STATUS** *CHILD PSYCHIATRY & HUMAN DEVELOPMENT*
  Kaminer, Y., Feinstein, C., Barrett, R. P., TYLENDA, B., HOLE, W.
  1988; 18 (4): 239-249

- **The measurement of behavioral autonomy in adolescence: the autonomous functioning checklist.** *Adolescent psychiatry*
  Sigafoos, A. D., FEINSTEIN, C. B., Damond, M., Reiss, D.
  1988; 15: 432-462

- **THE ASSESSMENT OF MOOD AND AFFECT IN DEVELOPMENTALLY DISABLED-CHILDREN AND ADOLESCENTS - THE EMOTIONAL DISORDERS RATING-SCALE** *RESEARCH IN DEVELOPMENTAL DISABILITIES*
  Feinstein, C., Kaminer, Y., Barrett, R. P., TYLENDA, B.
  1988; 9 (2): 109-121

- **SOCIAL AND EMOTIONAL ADJUSTMENT IN DEAF ADOLESCENTS AFTER TRANSFER TO A RESIDENTIAL SCHOOL FOR THE DEAF** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
  LYTLE, R. R., Feinstein, C., Jonas, B.
  1987; 26 (2): 237-241

- **Observations from clinical work with high school aged, deaf adolescents attending a residential school.** *Adolescent psychiatry*
  FEINSTEIN, C. B., Lytle, R.
  1987; 14: 461-477

- **SUICIDAL-BEHAVIOR IN MENTALLY-RETARDED ADOLESCENTS - AN OVERLOOKED PROBLEM** *CHILD PSYCHIATRY & HUMAN DEVELOPMENT*
  Kaminer, Y., Feinstein, C., Barrett, R. P.
  1987; 18 (2): 90-94

- **DETERMINATION OF A REFERENCE RANGE FOR WHOLE-BLOOD SEROTONIN IN A PEDIATRIC POPULATION USING HIGH-PRESSURE LIQUID-CHROMATOGRAPHY WITH ELECTROCHEMICAL DETECTION** *CLINICAL BIOCHEMISTRY*
  Goldsmith, B. M., Feinstein, C., Munson, S., Reiss, A., BORENGASSERCARUSO, M. A.
  1986; 19 (6): 359-363

- **AUTISM AND GENETIC-DISORDERS** *SCHIZOPHRENIA BULLETIN*
  Reiss, A. L., Feinstein, C., Rosenbaum, K. N.
  1986; 12 (4): 724-738

- **PSYCHIATRIC DISABILITY ASSOCIATED WITH THE FRAGILE-X CHROMOSOME** *AMERICAN JOURNAL OF MEDICAL GENETICS*
  Reiss, A. L., Feinstein, C., Toomey, K. E., Goldsmith, B., Rosenbaum, K., Caruso, M. A.
  1986; 23 (1-2): 393-401

- **AUTISM ASSOCIATED WITH WILLIAMS SYNDROME** *JOURNAL OF PEDIATRICS*
  Reiss, A. L., Feinstein, C., Rosenbaum, K. N., BORENGASSERCARUSO, M. A., Goldsmith, B. M.
  1985; 106 (2): 247-249

- **DEVELOPMENTAL TASKS AND TRANSITIONS OF ADOLESCENTS WITH CHRONIC ILLNESSES AND DISABILITIES** *REHABILITATION COUNSELING BULLETIN*
  Davis, S. E., Anderson, C., LINKOWSKI, D. C., Berger, K., FEINSTEIN, C. F.
  1985; 29 (2): 69-80

- **DEPRESSIVE SYMPTOMATOLOGY IN A CHILD PSYCHIATRIC OUTPATIENT POPULATION - CORRELATIONS WITH DIAGNOSIS** *COMPREHENSIVE PSYCHIATRY*
  Feinstein, C., Blouin, A. G., EGAN, J., Conners, C. K.
  1984; 25 (4): 379-391

- **EARLY ADOLESCENT DEAF BOYS - A BIOPSYCHOSOCIAL APPROACH** *ADOLESCENT PSYCHIATRY*
  FEINSTEIN, C. B.
  1983; 11: 147-162

- **VENTRICULAR ENLARGEMENT IN CHILD PSYCHIATRIC-PATIENTS - A CONTROLLED-STUDY WITH PLANIMETRIC MEASUREMENTS** *AMERICAN JOURNAL OF PSYCHIATRY*
  Reiss, D., Feinstein, C., Weinberger, D. R., King, R., WYATT, R. J., BRALLIER, D.
  1983; 140 (4): 453-456

- **INDUCED INTOXICATION AND VIDEOTAPE FEEDBACK IN ALCOHOLISM TREATMENT** *QUARTERLY JOURNAL OF STUDIES ON ALCOHOL*
  FEINSTEI, C., TAMERIN, J. S.
  1972; 33 (2): 408-?

- **Toward Continuous Social Phenotyping: Analyzing Gaze Patterns in an Emotion Recognition Task for Children With Autism Through Wearable Smart Glasses.** *Journal of medical Internet research*
  Nag, A., Haber, N., Voss, C., Tamura, S., Daniels, J., Ma, J., Chiang, B., Ramachandran, S., Schwartz, J., Winograd, T., Feinstein, C., Wall, D. P.
  2020; 22 (4): e13810

- **Effect of Wearable Digital Intervention for Improving Socialization in Children With Autism Spectrum Disorder: A Randomized Clinical Trial.** *JAMA pediatrics*
  Voss, C., Schwartz, J., Daniels, J., Kline, A., Haber, N., Washington, P., Tariq, Q., Robinson, T. N., Desai, M., Phillips, J. M., Feinstein, C., Winograd, T., Wall, et al
  2019

- **The Potential of Repetitive Transcranial Magnetic Stimulation for Autism Spectrum Disorder: A Consensus Statement** *BIOLOGICAL PSYCHIATRY*
  Cole, E. J., Enticott, P. G., Oberman, L. M., Gwynette, M., Casanova, M. F., Jackson, S. L. J., Jannati, A., McPartland, J. C., Naples, A. J., Puts, N. A. J., rTMS ASD Consensus Grp
  2019; 85 (4): E21–E22

- **The Potential of Repetitive Transcranial Magnetic Stimulation for Autism Spectrum Disorder: A Consensus Statement.** *Biological psychiatry*
  Cole, E. J., Enticott, P. G., Oberman, L. M., Gwynette, M. F., Casanova, M. F., Jackson, S. L., Jannati, A., McPartland, J. C., Naples, A. J., Puts, N. A., rTMS in ASD Consensus Group, Albein-Urios, N., Barnett, C., et al
  2018
- **Exploratory study examining the at-home feasibility of a wearable tool for social-affective learning in children with autism** *NPJ DIGITAL MEDICINE*
  Daniels, J., Schwartz, J. N., Voss, C., Haber, N., Fazel, A., Kline, A., Washington, P., Feinstein, C., Winograd, T., Wall, D. P.
  2018; 1
- **Neural circuits underlying mother's voice perception predict social communication abilities in children** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Abrams, D. A., Chen, T., Odriozola, P., Cheng, K. M., Baker, A. E., Padmanabhan, A., Ryali, S., Kochalka, J., Feinstein, C., Menon, V.
  2016; 113 (22): 6295-6300
- **Brain State Differentiation and Behavioral Inflexibility in Autism†.** *Cerebral cortex*
  Uddin, L. Q., Supekar, K., Lynch, C. J., Cheng, K. M., Odriozola, P., Barth, M. E., Phillips, J., Feinstein, C., Abrams, D. A., Menon, V.
  2015; 25 (12): 4740-4747
- **DIGITAL RECTAL EXAMINATION, SERUM PROSTATE-SPECIFIC ANTIGEN, AND PROSTATIC ULTRASOUND - HOW EFFECTIVE IS THIS DIAGNOSTIC TRIAD** *JOURNAL OF SURGICAL ONCOLOGY*
  Haid, M., Rabin, D., King, K. M., Feinstein, C. M., Janson, K. L., Levine, S. R., MUTCHNIK, D. L., LAMBIASE, E. A., Bradley, R.
  1994; 56 (1): 32-38
- **SCREENING STRATEGIES TO INHIBIT THE SPREAD OF AIDS** *SOCIO-ECONOMIC PLANNING SCIENCES*
  Nahmias, S., Feinstein, C. D.
  1990; 24 (4): 249-260
- **ATTITUDES TOWARD DEINSTITUTIONALIZATION - NATIONAL SURVEY OF FAMILIES OF INSTITUTIONALIZED PERSONS WITH MENTAL-RETARDATION** *MENTAL RETARDATION*
  Spreat, S., Telles, J. L., Conroy, J. W., Feinstein, C., COLOMBATTO, J. J.
  1987; 25 (5): 267-274
- **STAGING ERRORS IN PROSTATIC-CANCER** *JOURNAL OF UROLOGY*
  Ray, P., Feinstein, C., Ray, V., Shaw, M., Sharifi, R., GUINAN, P.
  1984; 132 (6): 1125-1126
- **The Woodhaven short-term model reconsidered: a study of developmental growth and criteria for discharge.** *Evaluation & the health professions*
  Conroy, J. W., LEMANOWICZ, J., Feinstein, C.
  1981; 4 (1): 49-58