

DENNIS S. CHARNEY, M.D.

Name: Dennis S. Charney, M.D.
 Birthdate: March 31.1951
 Citizenship: USA

ACADEMIC APPOINTMENTS

1981-1982 Associate Unit Chief, Clinical Neuroscience Research Unit, Connecticut Mental Health Center (CMHC), New Haven, CT
 1981-1985 Assistant Professor of Psychiatry, Yale University School of Medicine
 1983-1988 Director, Clinical Neuroscience Research Unit, Ribicoff Research Facilities, CMHC
 1985-1990 Associate Professor of Psychiatry, Yale University School of Medicine
 1988-1996 Chief, Psychiatry Service, West Haven Veterans Administration Medical Center, Yale University School of Medicine
 1988-2000 Senior Investigator, Clinical Neuroscience Research Unit, Ribicoff Research Facilities, Connecticut Mental Health Center
 1989-2000 Director, Yale-VA Schizophrenia Biological Research Center
 1989-2000 Director, Yale-VA National Center for Post Traumatic Stress Disorder
 1990-2000 Professor of Psychiatry, Yale University School of Medicine
 1992-1996 Associate Chair for Research, Yale University School of Medicine, Department of Psychiatry
 1995-1999 Co-Director, Yale-VA Mental Health Services Research Center
 1996-2000 Deputy Chair for Academic and Scientific Affairs, Yale University School of Medicine, Department of Psychiatry
 1997-2000 Director, Yale-NIMH Mental Health Clinical Research Center
 2000-2004 Chief, Mood and Anxiety Disorder Research Program, NIMH
 2000-2004 Chief, Experimental Therapeutics and Pathophysiology Branch, NIMH
 2002- Professor, Howard University
 2004- 2005 Dean of Research, Mount Sinai School of Medicine
 2004- Professor of Psychiatry, Neuroscience, and Pharmacology & Biological Chemistry, Mount Sinai School of Medicine
 2005-2007 Dean, for Academic and Scientific Affairs for Mount Sinai School of Medicine
 Senior Vice President for Health Sciences of the Mount Sinai Medical Center
 2007- 2008 Dean, Mount Sinai School of Medicine
 Executive Vice President for Academic Affairs, The Mount Sinai Medical Center
 2008 - Anne and Joel Ehrenkranz Dean, Mount Sinai School of Medicine
 Executive Vice President for Academic Affairs, The Mount Sinai Medical Center

HOSPITAL APPOINTMENTS

1980-2000 Connecticut Mental Health Center, New Haven, CT
 1988-2000 West Haven Veterans Administration Medical Center, West Haven, CT
 1996-2000 Yale New Haven Hospital, New Haven, CT
 2000-2004 National Institutes of Health Clinical Center, Bethesda, MD
 2005- Mount Sinai Hospital

EDUCATION

1973 – B.A. – Rutgers College
 1977 – M.D. – Pennsylvania State University

POSTDOCTORAL TRAINING

1977-1978 Intern, Hospital of St. Raphael, New Haven, CT
 1978-1981 Psychiatry Residency, Yale University School of Medicine, New Haven, CT
 1980-1981 Biological Sciences Training Fellow; Chief Resident, Clinical Research Unit, Connecticut Mental Health Center, New Haven, CT

CERTIFICATION

1988 Diplomate, American Board of Psychiatry and Neurology

LICENSURE

Maryland #D0056773
 New York #236914-1

HONORS/AWARDS/PATENTS

1973 Phi Beta Kappa, Rutgers College
 1977 Mosby Award for Research Excellence, Pennsylvania State University, School of Medicine
 1979 Seymour Lustman Research Award, 2nd place, Department of Psychiatry, Yale University School of Medicine
 1979-1981 American Psychiatric Association Falk Fellow
 1980 Seymour Lustman Research Award, 1st place, Department of Psychiatry, Yale University School of Medicine
 1981 Seymour Lustman Research Award, 1st place, Department of Psychiatry, Yale University School of Medicine
 1985 Elected member, American College of Neuropsychopharmacology
 1986 Clinical Research Award, American Academy of Clinical Psychiatry
 1987 Founder, Neurogen Corporation
 1987 Elected member, International Group for the Advancement of Affective Disorders (Honor Society)

- 1988 Elected member: Alpha Omega Alpha, Pennsylvania State University, School of Medicine
- 1988 Diplomate, American Board of Psychiatry and Neurology
- 1989 Fellow, American Psychopathological Association
- 1990 Special Contribution Award, Department of Veterans Affairs
- 1991 Special Contribution Award, Department of Veterans Affairs
- 1992 Elected Fellow, American College of Neuropharmacology
- 1992 Listed in *The Best Doctors in America*, 1992-1993, 1993-1994, 1994-1995, 1995-1996, 1998-1999 Editions, Naifeh S, Smith GW (eds), Stec LP (Sr.Ed), Woodward/White, Inc., S.
- 1992 Daniel H. Efron Research Award, American College of Neuropsychopharmacology
- 1994 Listed in "Best Mental Health Experts," *Good Housekeeping Magazine*
- 1995 ANNA-MONIKA-Foundation Award for Depression, First Prize, Nuremberg, Germany
- 1995- Fellow, Calhoun College, Yale University
- 1999 Edward J. Sacher Award, Columbia University
- 1999 American Psychiatric Association Award for Research
- 2000 Gerald L. Klerman Lifetime Research Award, National Depressive and Manic-Depressive Association
- 2000 Designated 3rd most highly cited investigator in the field of Psychiatry (first in Biological Psychiatry) in decade 1990-2000, Institute of Scientific Information
- 2000 Membership in the Institute of Medicine of the National Academy of Sciences
- 2001 Louis Luri Memorial Award, University of Cincinnati, School of Medicine
- 2001 Director's Merit Award for Significant Achievement, National Institute of Mental Health
- 2001 President, American College of Neuropsychopharmacology
- 2001 Scientific Director, National Institute of Mental Health, Mood Disorders Strategic Plan
- 2002 Gerald L. Klerman Memorial Lecture, Cornell University School of Medicine
- 2002 Original Member, Highly Cited Researchers Database, Institute of Scientific Information
- 2002 Distinguished Alumni Award, Pennsylvania State University School of Medicine
- 2002 Chairman's Distinguished Scientist Award, Brown University
- 2002 Alumni Fellow-Penn State
- 2002 Heinz E. Lehmann Research Award, State of New York, Office of Mental Health
- 2003 Gold Medal Award, Society of Biological Psychiatry
- 2004 Award for Research in Mood Disorders, American College of Psychiatrists
- 2004 CINP Lilly Neuroscience Clinical Research Award
- 2004 Anne and Joel Ehrenkranz Professor, Mount Sinai School of Medicine
- 2005 Book Award for "*The Peace of Mind Prescription*", NAMI-NYC Metro
- 2006 The George N. Thompson Founder's Award for Distinguished Service to the Society of Biological Psychiatry
- 2006 Best Doctors "*Information When it Matters*" - Selected One of the Best Doctors in America
- 2007-2008 Best Doctors – Selected One of the Best Doctors in America

SCIENTIFIC ADVISORY BOARDS

- 1984-1987 Member, Veterans' Administration Merit Review Board for Mental Health and Behavioral Sciences
- 1984-1988 Member, Special Review Boards, National Institute of Mental Health

1985-1988 Member, National Institute of Mental Health, Small Grant Review Board

1989-1993 Member Psychopharmacological, Biological, and Physical Treatment Subcommittee, Treatment Development and Assessment Review Committee, National Institute of Mental Health

1989-1992 Member, Department of Veterans Affairs Committee on Clozapine Assessment Research Review Committee, National Institute of Mental Health

1990-1993 Member Advisory Panel, Panic Disorder Prevention and Public Education Campaign, National Institute of Mental Health

1992-1995 Member, Subcommittee on Drug Treatment Guidelines, Department of Veterans Affairs

1992-1996 Member, Food and Drug Administration, Psychopharmacologic Drugs Advisory Committee

1995-2000 Scientific Advisory Board, Mental Health Clinical Research Center, University of California at San Diego

1996-2000 Board of Scientific Counselors, National Institute of Mental Health

1997 Neuroscience Peer Review Working Group, Division of Research Grants, National Institute of Health

1997-1999 Mental Health and Behavioral Medical Research Advisory Groups, Veteran's Administration

1997-2000 Advisory Committee Program for Minority Research Training in Psychiatry, American Psychiatric Association

1997- Anxiety Disorders Association of America's Scientific Advisory Board

1998- External Scientific Advisory Board, University of Florida Brain Research Institute

1998 National Institute of Mental Health, Strategic Planning Committee, Division of Mental Disorders, Behavioral Research, and AIDS

1999- NARSAD Scientific Council

1999-2001 Chair of Scientific Advisory Board of the Anxiety Disorders Association of America

1999-2000 Chair, Board of Scientific Counselors, National Institute of Mental Health

1999-2003 Chair, Scientific Advisory Board, National Depressive and Manic Depressive Association

1997-2005 Council, American College of Neuropsychopharmacology

1999-2004 NASA, National Space Biomedical Research Institute External Advisory Committee

1999- Obsessive Compulsive Disorder Foundation

2000 Academic Advisory Board-Pfizer Postdoctoral Fellowship Program

2000-2002 National Institute of Mental Health/DIRP Scientist Tenure and Promotion Review Committee

2000-2003 Scientific Advisory Panel, American Psychiatric Institute for Research and Education

2001- Scientific Advisory Board, Familial Dysautonomia Foundation

2002- National Education Alliance for Borderline Personality Disorder Scientific Advisory Board

2002- National Center for Post Traumatic Stress Disorder

2002 Senior Advisory Board -American Psychiatric Association/American Psychiatric Press
Journal: Journal of Lifelong Learning in Psychiatry

2005- Institute of Medicine Committee on Stress of Military Deployment

2006- Institute of Medicine Subcommittee on PTSD

EDITORIAL BOARDS

1997- 2006	Editor in Chief, Biological Psychiatry
1986-1999	Editorial Board of Journal of Anxiety Disorders
1987	Editorial board, Journal of Affective Disorders
1989-1998	Advisory Board, Acta Psychiatrica Scandinavia
1990-	International Editorial Board, Journal of Psychopharmacology
1993-	Editorial Board of Journal of Serotonin Research
1994-	Editorial Board of Depression and Anxiety
1994-1997	Editorial Board, Neuropsychopharmacology
1995-	Editorial Board of Seminars in Clinical Neuropsychiatry
1996-	Editorial Board of CNS Spectrums
1997-	Editorial Board of Human Psychopharmacology
1999-2003	Editorial Board of Drugs in R&D
2000-2004	Editorial Board, Psychopharmacology Bulletin

TRAINING RECORD

<u>Name</u>	<u>Level of Learner</u>	<u>Trainees Current Position & Institution Where Employed</u>
Lawrence H. Price, M.D.	Resident - Asst Professor	Professor, Dept. of Psychiatry & Human Behavior, Brown University
Alan Brier, M.D.	Resident	Chief Medical Officer, Lilly Pharmaceutical Company
Scott W. Woods, M.D.	Resident - Asst Professor	Professor of Psychiatry and Diagnostic Radiology Yale University School of Medicine
Wayne K. Goodman, M.D	Resident - Asst Professor	Professor and Chairman, Department of Psychiatry Mount Sinai School of Medicine
John H. Krystal, M.D.	Resident - Asst Professor	Professor and Chairman of Psychiatry Yale University, School of Medicine
Pedro L. Delgado, M.D.	Resident - Asst Professor	Associate Dean for Faculty Development and Professionalism in the School of Medicine Professor Dept. of Psychiatry and Dielmann Distinguished Chair in Psychiatry University of Texas, San Antonio
Christopher McDougale, M.D.	Resident	Professor and Chair of Psychiatry Indiana University School of Medicine

Steven M. Southwick, M.D.	Asst Professor	Professor of Psychiatry Yale University School of Medicine
John P. Seibyl, M.D.	Resident	Formerly Chief of Nuclear Medicine Yale University School of Medicine Currently Executive Director and Senior Scientist, Institute for Neurodegenerative Disorders, New Haven, CT
J. Douglas Bremner, M.D.	Resident - Asst Professor	Professor of Psychiatry and Radiology, Director Emory Center for Positron Emission Tomography, PET Center/Nuclear Medicine, Dept. of Psychiatry, Emory University
C. Andrew Morgan, M.D.	Resident - Asst Professor	Associate Professor, Dept. of Psychiatry Yale University, School of Medicine
Robert T. Malison, M.D.	Resident	Associate Professor, Dept. of Psychiatry Yale University, School of Medicine
Ronald M. Salomon, M.D.	Resident - Asst Professor	Associate Professor, Dept. of Psychiatry Vanderbilt University, School of Medicine
Anissa Abi-Dargham, M.D.	Resident - Asst Professor	Associate Professor, New York State Psychiatric Institute, Columbia University College of Physicians and Surgeons
Marc Laruelle, M.D.	Resident - Asst Professor	Professor/Chair Biological Psychiatry Division of Neurosciences & Mental Health Imperial College London
Andrew W. Goddard, M.D.	Asst Professor	Professor, Dept. of Psychiatry Indiana University School of Medicine
Robert Berman, M.D.	Resident - Asst Professor	Medical Director, Pfizer, Inc.
Ann Rasmusson, M.D.	Resident - Asst Professor	Associate Professor, Dept. of Psychiatry Yale University School of Medicine
Joan Kaufman, Ph.D.	Asst Professor	Associate Professor, Dept. of Psychiatry Chief, Child and Adolescent Mood Disorder Program, Yale University School of Medicine

Amit Anand, M.D.	Asst Professor	Professor, Dept. of Psychiatry Indiana University School of Medicine
Hilary Blumberg, M.D.	Asst Professor	Associate Professor, Dept. of Psychiatry Chief, Mood Disorder Program Yale University, School of Medicine
Meena Vythilingam, M.D.	Resident - Asst Professor	Deputy Director Psychological Health Strategic Operations Force Health Protection & Readiness Office of the Assistant Secretary of Defense (Health Affairs)
Alexander Neumeister, M.D.	Fellow	Associate Professor of Psychiatry Yale University School of Medicine
Omer Bonne, M.D.	Fellow	Director, Outpatient Psychiatry Hadassah Medical School
Adriana Feder, M.D.	Asst Professor	Assistant Professor, Department of Psychiatry Mount Sinai School of Medicine
Ellen Leibenluft, M.D.		Chief, Section on Bipolar Spectrum Disorders Emotion and Development Branch Mood & Anxiety Program National Institute of Mental Health
Sanjay Mathew, M.D.	Asst Professor	Associate Professor, Department of Psychiatry Mount Sinai School of Medicine
James Murrough, M.D.	Research Mentor Psychiatry Residency	Associate, Department of Psychiatry Mount Sinai School of Medicine
Marije aanhetRot, PhD	Fellow	Assistant Professor, Department of Psychology University of Groningen, Netherlands

PUBLICATIONS

1. Graham WF, Miller SH, Gottlieb L, Charney DS: Psychological complications of thermal injuries. *PA Med*, 1976;79:58.
2. Nelson JC, Charney DS, Vingiano AW: False positive diagnosis with primary affective disorder criterion. *Lancet*, 1978; 989-990.

3. Charney DS, Kales A, Soldatos CR, Nelson JC: Somnambulistic-like episodes secondary to combined lithium-neuroleptic treatment. *Br J Psychiatry*, 1979;135:418-424.
4. Charney DS: Sleep architecture in psychotropic-induced somnambulism. *Am J Psychiatry* 1979; 136(4A):461.
5. Nelson JC, Charney DS, Vingiano AW: False-positive diagnosis with primary-affective-disorder criteria. *Lancet* 1978; 2(8102):1252-1253.
6. Nelson JC, Charney DS: Primary affective disorder criteria and the endogenous-reactive distinction. *Arch Gen Psychiatry*, 1980;37:787-793.
7. Kales A, Soldatos CR, Caldwell AB, Kales JD, Humphrey FJ, Charney DS, Schweitzer PK: Somnambulism: Clinical characteristics and personality patterns. *Arch Gen Psychiatry*, 1980;37:1406-1410.
8. Kales JD, Kales A, Soldatos CR, Caldwell AB, Charney DS, Martin ED: Night terrors: Clinical and psychological patterns. *Arch Gen Psychiatry*, 1980; 37:(12)1413-1417.
9. Kales A, Soldatos CR, Caldwell AB, Charney DS, Kales JD, Markel D, Cadieux R: Nightmares: Clinical characteristics and personality patterns. *Am J Psychiatry*, 1980;137(10):1197-1201.
10. Kales A, Soldatos CR, Bixler EO, Ladda RL, Charney DS, Weber G, Schweitzer PK: Hereditary factors in sleepwalking and night terrors. *Br J Psychiatry*, 1980; 137:111-118.
11. Handford HA, Charney DS, Ackerman L, Eyster ME, Bixler EO: Effect of psychiatric intervention on use of antihemophilic factor concentrate. *Am J Psychiatry*, 1980;137:1254-1256.
12. Nelson JC, Charney DS, Quinlan DM: Characteristics of autonomous depression. *J Nerv Ment Dis*, 1980;168(11):637-643.
13. Charney DS, Kleber H: Iatrogenic opiate addiction: Successful detoxification with clonidine. *Am J Psychiatry*, 1980;137(8):989-990.
14. Leckman JF, Charney DS, Nelson CR, Heninger GR, Bowers MB Jr: CSF tryptophan, 5-HIAA, and HVA in 132 psychiatric patients categorized by diagnosis and clinical state. *Rec Adv Neuropsychopharm*, 1981;31:289-297.
15. Charney DS, Nelson JC: Personality traits and disorder in depression. *Am J Psychiatry*, 1981;138:1601-1604.
16. Nelson JC, Charney DS, Quinlan D: Evaluation of the DSM III criteria for melancholia. *Arch Gen Psychiatry*, 1981;38(5):555-559.
17. Nelson JC, Charney DS: The symptoms of major depressive illness. *Am J Psychiatry*, 1981; 138(1)1-13

18. Charney DS, Nelson JD: Delusional and nondelusional unipolar depression: Further evidence for distinct subtypes. *Am J Psychiatry*, 1981;138(3):328-333.
19. Charney DS, Heninger GR, Sternberg DE, Redmond DE, Leckman JF, Maas JW, Roth, RH: Presynaptic adrenergic receptor sensitivity in depression: The effect of long-term desipramine treatment. *Arch Gen Psychiatry*, 1981;38:1334-1340.
20. Charney DS, Menkes DB, Heninger GR: Receptor sensitivity and the mechanism of action of antidepressant treatment. Implications for the etiology and therapy of depression. *Arch Gen Psychiatry*, 1981;38:1160-1180.
21. Charney DS, Sternberg DE, Kleber HD, Heninger GR, Redmond, DE Jr: The clinical use of clonidine in abrupt withdrawal from methadone. Effects on blood pressure and specific signs and symptoms. *Arch Gen Psychiatry*, 1981;38:1273-1277.
22. Charney DS, Heninger GR, Sternberg DE, Roth RH: Plasma MHPG in depression: Effects of acute and chronic desipramine treatment. *Psychiatry Res*, 1981;5:217-229.
23. Sternberg DE, Charney DS, Heninger GR, Leckman JF, Hafstad KM, Landis DH: Impaired presynaptic regulation of norepinephrine in schizophrenia: Effects of clonidine in schizophrenic patients and normal controls. *Arch Gen Psychiatry*, 1982;39:285-289.
24. Charney DS, Heninger GR, Sternberg DE, Hafstad KM, Giddings S, Landis DH: Adrenergic receptor sensitivity in depression: Effects of clonidine in depressed patients and healthy subjects. *Arch Gen Psychiatry*, 1982;39:290-294.
25. Charney DS, Heninger GR, Sternberg DE: Assessment of alpha-2 adrenergic autoreceptor function in humans: Effects of oral yohimbine. *Life Sci*, 1982;30:2033-2041.
26. Charney DS, Heninger GR, Reinhard JF, Jr, Sternberg DE, Hafstad KM: The effect of IV L-tryptophan on prolactin, growth hormone, and mood in healthy subjects. *Psychopharmacology*, 1982;78:38-43.
27. Charney DS, Riordan CE, Kleber HD, Murburg M, Braverman P, Sternberg DE, Heninger GR, Redmond DE Jr: Clonidine and naltrexone: A safe, effective, and rapid treatment of abrupt withdrawal from methadone therapy. *Arch Gen Psychiatry*, 1982;39:1327-1332.
28. Charney DS, Heninger GR, Sternberg DE: Failure of chronic antidepressant treatment to alter growth hormone response to clonidine. *Psychiatry Res*, 1982;7:135-138.
29. Charney DS, Heninger GR, Sternberg DE, Landis DH: Abrupt discontinuation of tricyclic antidepressant drugs: Evidence for noradrenergic hyperactivity. *Br J Psychiatry*, 1982;141:377-386.
30. Charney DS, Heninger GR: Assessment of adrenergic and serotonergic receptor function: Implications for the etiology and treatment of depression. *Psychopharmacol Bull*, 1982;18:151-155.

31. Swann AC, Elsworth JD, Charney DS, Jablons DM, Roth RH, Redmond DE, Maas JW: Brain catecholamine metabolites and behavior in morphine withdrawal. *Eur J Pharmacol*, 1982;86(2):167-175.
32. Charney DS, Heninger GR, Sternberg DE: Alpha-2 adrenergic receptor sensitivity and the mechanism of action of antidepressant therapy: The effect of long-term amitriptyline treatment. *Br J Psychiatry*, 1983;142:265-275.
33. Charney DS, Heninger GR, Redmond DE Jr: Yohimbine induced anxiety and increased noradrenergic function in humans: Effects of diazepam and clonidine. *Life Sci*, 1983;33:19-29.
34. Charney DS, Heninger GR: Monoamine receptor sensitivity and depression: Clinical studies of antidepressant effects on serotonin and noradrenergic function. *Psychopharm Bull*, 1983;19:490-495.
35. Sternberg DE, Bowers MB Jr, Heninger GR, Charney DS: Lithium prevents adaptation of brain dopamine systems to haloperidol in schizophrenic patients. *Psychiatry Res*, 1983;10:79-86.
36. Swann AC, Elsworth JD, Charney DS, Jablons DM, Roth RH, Redmond DE Jr, Maas JW: Brain catecholamine metabolites and behavior in morphine withdrawal: Partial reversal by debrisoquin sulfate. *Eur J Pharmacol*, 1983;86:167-175.
37. Heninger GR, Charney DS, Sternberg DE: Lithium carbonate augmentation of antidepressant treatment: An effective prescription for treatment refractory depression. *Arch Gen Psychiatry*, 1983;40:1335-1342.
38. Charney DS, Heninger GR, Hafstad KM, Capelli S, Redmond DE Jr: Neurobiological mechanisms in human anxiety: Recent clinical studies. *Psychopharmacol Bull*, 1983;19:470-474.
39. Charney DS, Redmond DE Jr: Neurobiological mechanisms in human anxiety: Evidence supporting central noradrenergic hyperactivity. *Neuropharmacology*, 1983;22:1531-1536.
40. Heninger GR, Charney DS, Sternberg DE: Serotonergic function in depression: Prolactin response to intravenous tryptophan in depressed patients and healthy subjects. *Arch Gen Psychiatry*, 1984;41(4):398-402.
41. Charney DS, Heninger GR, Sternberg DE: Serotonin function and mechanism of action of antidepressant treatment: Effects of amitriptyline and desipramine. *Arch Gen Psychiatry*, 1984;41(4):359-365.
42. Price LH, Nelson JC, Charney DS, Quinlan DM: Family history in delusional depression. *J Affect Dis*, 1984;6(1):109-114.
43. Price LH, Nelson JC, Charney DS, Quinlan DM: The clinical utility of family history for the diagnosis of melancholia. *J Nerv Ment Dis*, 1984;172:5-11.

44. Charney DS, Heninger GR, Sternberg DE: The effect of mianserin on alpha-2 adrenergic receptor function in depressed patients. *Br J Psychiatry*, 1984;144:407-416.
45. Charney DS, Galloway MP, Heninger GR: The effects of caffeine on plasma MHPG, subjective anxiety, autonomic symptoms and blood pressure in healthy humans. *Life Sci*, 1984;35:135-144.
46. Charney DS, Heninger GR, Breier A: Noradrenergic function in panic anxiety: Effects of yohimbine in healthy subjects and patients with agoraphobia and panic disorder. *Arch Gen Psychiatry*, 1984;41(8):751-763.
47. Charney DS, Redmond DE Jr, Galloway MP, Kleber HD, Heninger GR, Murberg M, Roth RH: Naltrexone precipitated opiate withdrawal in methadone addicted human subjects: Evidence for noradrenergic hyperactivity. *Life Sci*, 1984;35:1263-1272.
48. Breier A, Charney DS, Heninger GR: Major depression in patients with agoraphobia and panic disorder. *Arch Gen Psychiatry*, 1984;41:1129-1135.
49. Price LH, Charney DS, Heninger GR: Manic symptoms following addition of lithium to antidepressant treatment. *J Clin Psychopharmacol* 1984; 4(6):361-362.
50. Charney DS, Heninger GR, Sternberg DE: Serotonin function and mechanism of action of antidepressant treatment. Effects of amitriptyline and desipramine. *Arch Gen Psychiatry*, 1984;41(4):359-365
51. Charney DS, Heninger GR, Jatlow PI: Increased anxiogenic effects of caffeine in panic disorders. *Arch Gen Psychiatry*, 1985;42:233-243.
52. Kleber HD, Riordan CE, Rounsaville B, Kosten T, Charney D, Gaspari J, Hogan I, O'Connor C: Clonidine in outpatient detoxification from methadone maintenance. *Arch Gen Psychiatry*, 1985;42:391-394.
53. Charney DS, Heninger GR: Noradrenergic function and the mechanism of action of anti-anxiety treatment: I. The effect of long term alprazolam treatment. *Arch Gen Psychiatry*, 1985;42:458-467.
54. Charney DS, Heninger GR: Noradrenergic function and the mechanism of action of anti-anxiety treatment: II. The effect of long term imipramine treatment. *Arch Gen Psychiatry*, 1985;42:473-481.
55. Breier A, Charney DS, Heninger GR: The diagnostic validity of anxiety disorders and their relationship to depressive illness. *Am J Psychiatry*, 1985;142(7):787-797.
56. Price LH, Charney DS, Heninger GR: Efficacy of lithium-tranylcypromine treatment in refractory depression. *Am J Psychiatry*, 1985;142(5):619-623.
57. Rubin AL, Price LH, Charney DS, Heninger GR: Noradrenergic function and the cortisol response to dexamethasone in depression. *Psychiatry Res*, 1985;15:5-15.

58. Price LH, Charney DS, Heninger GR: Effects of tranlycypromine treatment on neuroendocrine, behavioral, and autonomic responses to tryptophan in depressed patients. *Life Sci*, 1985;37:809-818.
59. Goodman W, Charney DS: Therapeutic applications and the mechanisms of action of monoamine oxidase inhibitor and heterocyclic anti-depressant drugs. *J Clin Psychiatry*, 1985;46(10):6-22.
60. Rubin AL, Charney DS, Price LH, Heninger GR: Rapid improvement of delusional depression following drug-induced seizures: case report. *J Clin Psychiatry* 1985; 46(4):146-147.
61. Charney DS, Breier A, Jatlow PI, Heninger GR: Behavioral, biochemical, and blood pressure responses to alprazolam in healthy subjects: Interactions with yohimbine. *Psychopharmacology*, 1986;88:133-140.
62. Innis RB, Bunney BS, Charney DS, Price LH, Glazer WM, Sternberg DE, Rubin AL, Heninger GR: Does the cholecystokinin antagonist proglumide possess antipsychotic activity? *Psychiatry Res*, 1986;18:1-7.
63. Matthews J, Akil H, Greden J, Charney DS, Weinberg V, Rosenbaum A, Watson SJ: β endorphin/ β -lipotropin immunoreactivity in endogenous depression: Effect of dexamethasone. *Arch Gen Psychiatry*, 1986;43(4):374-381.
64. Charney DS, Heninger GR, Kleber HD: The combined use of clonidine and naltrexone as a rapid, safe, and effective treatment of abrupt withdrawal from methadone. *Am J Psychiatry*, 1986;143(7):831-837.
65. Price LH, Charney DS, Heninger GR: Effects of trazodone treatment on alpha-2 adrenoceptor function in depressed patients. *Psychopharmacology*, 1986;89:38-44.
66. Breier A, Charney DS, Heninger GR: Intravenous diazepam fails to change growth hormone and cortisol secretion in humans. *Psychiatry Res*, 1986;18:293-299.
67. Woods SW, Charney DS, Loke J, Goodman WK, Redmond DE Jr, Heninger GR: Carbon dioxide sensitivity in panic anxiety. Ventilatory and anxiogenic response to carbon dioxide in healthy subjects and patients with panic anxiety before and after alprazolam treatment. *Arch Gen Psychiatry*, 1986;43:900-909.
68. Charney DS, Heninger GR: α -2 adrenergic and opiate receptor blockade: Synergistic effects on anxiety in healthy subjects. *Arch Gen Psychiatry*, 1986;43:1037-1041.
69. Breier A, Charney DS, Heninger GR: Agoraphobia with panic attacks: Development, diagnostic stability and course of illness. *Arch Gen Psychiatry*, 1986;43:1029-1036.
70. Charney DS, Heninger GR: Abnormal regulation of noradrenergic function in panic disorders: Effects of clonidine in healthy subjects and patients with agoraphobia and panic disorder. *Arch Gen Psychiatry*, 1986;43:1042-1054.

71. Price LH, Charney DS, Rubin AL, Heninger GR: α 2-adrenergic receptor function in depression: The cortisol response to yohimbine. *Arch Gen Psychiatry*, 1986;43:849-858.
72. Charney DS, Heninger GR: Serotonin function in panic disorders: The effect of intravenous tryptophan in healthy subjects and patients with panic disorder before and during alprazolam treatment. *Arch Gen Psychiatry*, 1986;43:1059-1065.
73. Price LH, Charney DS, Heninger GR: Variability of response to lithium augmentation in refractory depression. *Am J Psychiatry*, 1986;143(11):1387-1392.
74. Charney DS, Heninger GR, Price LH, Breier A: Major depression and panic disorder: Diagnostic and neurobiological relationships. *Psychopharmacology Bull*, 1986;22:503-511.
75. Charney DS, Woods SW, Goodman WK, Rifkin B, Kinch M, Aiken B, Quadrino LM, Heninger GR: Drug treatment of panic disorder: The comparative efficacy of imipramine, alprazolam and trazodone. *J Clin Psychiatry*, 1986;47:580-585.
76. Charney DS, Price LH, Heninger GR: Desipramine-yohimbine combination treatment of refractory depression: Implications for the β -Adrenergic Receptor Hypothesis of antidepressant action. *Arch Gen Psychiatry*, 1986;43:1155-1161.
77. Goodman WK, Charney DS: A case of alprazolam, but not lorazepam, inducing manic symptoms. *J Clin Psychiatry*, 1987;48(3):117-118.
78. Woods SW, Charney DS, McPherson CA, Gradman AH, Heninger GR: Situational panic attacks: Behavioral, physiologic, and biochemical characterization. *Arch Gen Psychiatry*, 1987;44:365-375.
79. Innis RB, Charney DS, Heninger GR: Differential ^3H -imipramine platelet binding in patients with panic disorder and depression. *Psychiatry Res*, 1987;21:33-41.
80. Price LH, Goodman WK, Charney DS, Heninger GR: Treatment of severe obsessive-compulsive disorder with fluvoxamine. *Am J Psychiatry*, 1987;144:1059-1061.
81. Charney DS, Woods SW, Goodman WK, Heninger GR: Serotonin function in anxiety: II. Effects of the serotonin agonist, MCPP in panic disorder patients and healthy subjects. *Psychopharmacology*, 1987;92:14-24.
82. Charney DS, Woods SW, Goodman WK, Heninger GR: Neurobiological mechanisms of panic anxiety: Biochemical and behavioral correlates of yohimbine-induced panic attacks. *Am J Psychiatry*, 1987;144:1030-1036.
83. Price LH, Charney DS, Heninger GR: Reserpine augmentation of desipramine in refractory depression: Clinical and neurobiological effects. *Psychopharmacology*, 1987;92:431-437.

84. Rasmussen SA, Goodman WK, Woods SW, Heninger GR, Charney DS: Effects of Yohimbine in Obsessive Compulsive Disorder. *Psychopharmacology*, 1987;93:308-313.
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