

PERIMETER LETTER 3.8.05

MED-PSYCH

- Transient left ventricular dysfunction during emotional stress is associated with increased plasma catecholamines.

Wittstein IS, Thieman DR, Lima JA, Baughman KL, Schulman SP, Gerstenblith G, Wu KC, Rade JJ, Bivalacqua TJ, Champion HC. Neurohumoral features of myocardial stunning due to sudden emotional stress. *N Engl J Med.* 2005 Feb 10;352:539-48.

<http://content.nejm.org/cgi/reprint/352/6/539.pdf>

TRAUMA

- Increased heart rate in the ER after trauma is shown to be an independent risk factor for PTSD.

Zatzick DF, Russo J, Pitman RK, Rivara F, Jurkovich G, Roy-Byrne P. Reevaluating the association between emergency department heart rate and the development of posttraumatic stress disorder: A public health approach. *Biol Psychiatry.* 2005 Jan 1;57:91-5.

http://www.sciencedirect.com/science?_ob=MIimg&_imagekey=B6T4S-4F1HPHV-J-1&_cdi=4982&_user=38557&_orig=browse&_coverDate=01%2F01%2F2005&_sk=999429998&view=c&wchp=dGLbVlz-zSkWA&md5=f8553815b31c9f69cf47f8b5a3ba911f&ie=/sdarticle.pdf

SUICIDE AND ANTIDEPRESSANTS

- This epidemiologic study found no overall link between antidepressants and suicide, but TCA and rural subgroups were associated with suicide.

Gibbons RD, Hur K, Bhaumik DK, Mann JJ. The relationship between antidepressant medication use and rate of suicide. *Arch Gen Psychiatry.* 2005 Feb;62:165-72.

<http://archpsyc.ama-assn.org/cgi/reprint/62/2/165.pdf>

GERIATRICS

- A new susceptibility gene for Alzheimer's was found: ubiquilin 1.

Bertram L, Hiltunen M, Parkinson M, Ingelsson M, Lange C, Ramasamy K, Mullin K, Menon R, Sampson AJ, Hsiao MY, Elliott KJ, Velicelebi G, Moscarillo T, Hyman BT, Wagner SL, Becker KD, Blacker D, Tanzi RE. Family-based association between Alzheimer's disease and variants in UBQLN1. *N Engl J Med.* 2005 Mar 3;352:884-94.

<http://content.nejm.org/cgi/reprint/352/9/884.pdf>

- This review categorizes memory and addresses disorders.

Budson AE, Price BH. Memory dysfunction. *N Engl J Med.* 2005 Feb 17;352:692-9.

<http://content.nejm.org/cgi/reprint/352/7/692.pdf>

SUBSTANCE ABUSE

- This article reviews the assessment of alcohol use and the treatment of overuse.

Saitz R. Clinical practice. Unhealthy alcohol use. *N Engl J Med.* 2005 Feb 10;352:596-607.

<http://content.nejm.org/cgi/reprint/352/6/596.pdf>

END OF LIFE. FORENSICS

- A bioethicist reviews three court cases dealing with family privacy versus societal values at the end of life.

Annas GJ. Family privacy and death – Antigone, war, and medical research. *N Engl J Med.* 2005 Feb 3;352:501-5.

<http://content.nejm.org/cgi/reprint/352/5/501.pdf>

HEALTHCARE REFORM

- Senator Frist argues that market competition and information technology will improve healthcare.

Frist WH. Health care in the 21st century. *N Engl J Med.* 2005 Jan 20;352:267-72.

<http://content.nejm.org/cgi/reprint/352/3/267.pdf>

IMAGING

- Smaller amygdalae are seen in depressed versus healthy children.

Rosso IM, Cintron CM, Steingard RJ, Renshaw PF, Young AD, Yurgelun-Todd DA. Amygdala and hippocampus volumes in pediatric major depression. *Biol Psychiatry*. 2005 Jan 1;57:21-6.

http://www.sciencedirect.com/science?_ob=MIImg&_imagekey=B6T4S-4F1HPHV-8-1&_cdi=4982&_user=38557&_orig=browse&_coverDate=01%2F01%2F2005&_sk=999429998&view=c&wchp=dGLbVlz-zSkWA&md5=7f1909b8edf4649d44b1b409bf4d88c1&ie=/sdarticle.pdf

GENETICS

- Healthy subjects with the short-form serotonin transporter gene have hyperreactive amygdalae on fMRI.

Hariri AR, Drabant EM, Munoz KE, Kolachana BS, Mattay VS, Egan MF, Weinberger DR. A susceptibility gene for affective disorders and the response of the human amygdala. *Arch Gen Psychiatry*. 2005 Feb;62:146-52.

<http://archpsyc.ama-assn.org/cgi/reprint/62/2/146.pdf>

SCHIZOPHRENIA

- Repetitive transcranial magnetic stimulation over left temporoparietal cortex can reduce persistent auditory hallucinations in schizophrenic patients.

Poulet E, Brunelin J, Bediou B, Bation R, Forgeard L, Dalery J, d'Amato T, Saoud M. Slow transcranial magnetic stimulation can rapidly reduce resistant auditory hallucinations in schizophrenia. *Biol Psychiatry*. 2005 Jan 15;57:188-91.

http://www.sciencedirect.com/science?_ob=MIImg&_imagekey=B6T4S-4F29HY8-5-1&_cdi=4982&_user=38557&_orig=browse&_coverDate=01%2F15%2F2005&_sk=999429997&view=c&wchp=dGLbVzz-zSkzS&md5=6492f049f420669afa7ad013a9b07a1d&ie=/sdarticle.pdf

BIOLOGY

- This review asserts that long-term potentiation and depression are sustained by local postsynaptic translation.

Blitzer RD, Iyengar R, Landau EM. Postsynaptic signaling networks: cellular cogwheels underlying long-term plasticity. *Biol Psychiatry*. 2005 Jan 15;57:113-9.

http://www.sciencedirect.com/science?_ob=MIImg&_imagekey=B6T4S-4CC325S-1-1&_cdi=4982&_user=38557&_orig=browse&_coverDate=01%2F15%2F2005&_sk=999429997&view=c&wchp=dGLbVtz-zSkWW&md5=16957cf71df9a9604cf78ced7b5fbeb8&ie=/sdarticle.pdf

DUKE RESEARCH

TRAUMA

Davidson JR, Connor KM, Hertzberg MA, Weisler RH, Wilson WH, Payne VM. Maintenance Therapy With Fluoxetine in Posttraumatic Stress Disorder: A Placebo-Controlled Discontinuation Study. *J Clin Psychopharmacol*. 2005 Apr;25:166-169.

Roussos A, Goenjian AK, Steinberg AM, Sotiropoulou C, Kakaki M, Kabakos C, Karagianni S, Manouras V. Posttraumatic stress and depressive reactions among children and adolescents after the 1999 earthquake in Ano Liosia, Greece. *Am J Psychiatry*. 2005 Mar;162:530-7.

Davidson JR, Connor KM, Lee LC. Beliefs in karma and reincarnation among survivors of violent trauma: A community survey. *Soc Psychiatry Psychiatr Epidemiol*. 2005 Feb;40:120-5.

Goldstein KM, Martin SL. Intimate partner physical assault before and during pregnancy: how does it relate to women's psychological vulnerability? *Violence Vict*. 2004 Aug;19:387-98.

CHILD

Barry TD, Dunlap ST, Cotten SJ, Lochman JE, Wells KC. The Influence of Maternal Stress and Distress on Disruptive Behavior Problems in Boys. *J Am Acad Child Adolesc Psychiatry*. 2005 Mar;44:265-273.

GERIATRICS

Petrella JR, Townsend BA, Jha AP, Ziajko LA, Slavin MJ, Lustig C, Hart SJ, Doraiswamy PM. Increasing memory load modulates regional brain activity in older adults as measured by FMRI. *J Neuropsychiatry Clin Neurosci*. 2005 Winter;17:75-83.

Voils CI, Steffens DC, Flint EP, Bosworth HB. Social Support and Locus of Control as Predictors of Adherence to Antidepressant Medication in an Elderly Population. *Am J Geriatr Psychiatry*. 2005 Feb;13:157-165.

Harpole LH, Williams JW Jr, Olsen MK, Stechuchak KM, Oddone E, Callahan CM, Katon WJ, Lin EH, Grypma LM, Unutzer J. Improving depression outcomes in older adults with comorbid medical illness. *Gen Hosp Psychiatry*. 2005 Jan-Feb;27:4-12.

Watson LC, Lewis CL, Fillenbaum GG. Asking family about memory loss. Is it helpful? *J Gen Intern Med*. 2005 Jan;20:28-32.

Lynch TR, Cheavens JS, Morse JQ, Rosenthal MZ. A model predicting suicidal ideation and hopelessness in depressed older adults: the impact of emotion inhibition and affect intensity. *Aging Ment Health*. 2004 Nov;8:486-97.

SUBSTANCE ABUSE

Medvedev IO, Gainetdinov RR, Sotnikova TD, Bohn LM, Caron MG, Dykstra LA. Characterization of conditioned place preference to cocaine in congenic dopamine transporter knockout female mice. *Psychopharmacology (Berl)*. 2005 Feb 18; [Epub ahead of print]

Abreu-Villaca Y, Seidler FJ, Qiao D, Slotkin TA. Modeling the developmental neurotoxicity of nicotine in vitro: cell acquisition, growth and viability in PC12 cells. *Brain Res Dev Brain Res*. 2005 Feb 8;154:239-46.

Scott WK, Zhang F, Stajich JM, Scott BL, Stacy MA, Vance JM. Family-based case-control study of cigarette smoking and Parkinson disease. *Neurology*. 2005 Feb 8;64:442-7.

Whetten K, Reif S, Swartz M, Stevens R, Ostermann J, Hanisch L, Eron JJ. A Brief Mental Health and Substance Abuse Screener for Persons with HIV. *AIDS Patient Care STDS*. 2005 Feb;19:89-99.

Monti PM, Miranda R Jr, Nixon K, Sher KJ, Swartzwelder HS, Tapert SF, White A, Crews FT. Adolescence: Booze, Brains, and Behavior. *Alcohol Clin Exp Res*. 2005 Feb;29:207-220.

MED-PSYCH

Porter LS, Keefe FJ, Hurwitz H, Faber M. Disclosure between patients with gastrointestinal cancer and their spouses. *Psychooncology*. 2005 Feb 14; [Epub ahead of print]

Applegate KL, Keefe FJ, Siegler IC, Bradley LA, McKee DC, Cooper KS, Riordan P. Does personality at college entry predict number of reported pain conditions at mid-life? A longitudinal study. *J Pain*. 2005 Feb;6:92-7.

Carson JW, Keefe FJ, Goli V, Fras AM, Lynch TR, Thorp SR, Buechler JL. Forgiveness and chronic low back pain: A preliminary study examining the relationship of forgiveness to pain, anger, and psychological distress. *J Pain*. 2005 Feb;6:84-91.

Keefe FJ, Abernethy AP, Campbell L. Psychological approaches to understanding and treating disease-related pain. *Annu Rev Psychol*. 2005;56:601-30.

Conover CJ, Ettner SL, Weaver M, Flynn PM, Porto JV; HIV/AIDS Treatment Adherence, Health Outcomes and Cost Study Group. Economic evaluations of HIV treatment and health research with people diagnosed with HIV infection and co-occurring mental health and substance use disorders. *AIDS Care*. 2004;16 Suppl 1:S121-36.

EDUCATION

March JS, Chrisman A, Breland-Noble A, Clouse K, D'Alli R, Egger H, Gammon P, Gazzola M, Lin A, Mauro C, Rana A, Ravi H, Srirama M, Su H, Thrall G, van de Velde P; The Duke Pediatric Psychiatry EBM Seminar Team. Using and teaching evidence-based medicine: the Duke University child and adolescent psychiatry model. *Child Adolesc Psychiatr Clin N Am.* 2005 Apr;14:273-96.

PSYCHOPHARMACOLOGY

Henderson DC. Metabolic differences of antipsychotics among the races. *CNS Spectr.* 2005 Mar;10(3 Suppl 2):13-26.

INTERNATIONAL

Becker CM, Urzhumova DS. Mortality recovery and stabilization in Kazakhstan, 1995-2001. *Econ Hum Biol.* 2005 Mar;3:97-122.

PSYCHOLOGY. IMAGING

Fitzpatrick D. Zooming in on cortical maps. *Nat Neurosci.* 2005 Mar;8:264-6.

Pelphrey KA, Morris JP, Michelich CR, Allison T, McCarthy G. Functional Anatomy of Biological Motion Perception in Posterior Temporal Cortex: An fMRI Study of Eye, Mouth and Hand Movements. *Cereb Cortex.* 2005 Mar 2; [Epub ahead of print]

Brannon EM. The independence of language and mathematical reasoning. *Proc Natl Acad Sci U S A.* 2005 Mar 1;102:3177-8.

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Dolcos F, Labar KS, Cabeza R. Remembering one year later: Role of the amygdala and the medial temporal lobe memory system in retrieving emotional memories. *Proc Natl Acad Sci U S A.* 2005 Feb 15;102:2626-31.

Prince SE, Daselaar SM, Cabeza R. Neural correlates of relational memory: successful encoding and retrieval of semantic and perceptual associations. *J Neurosci.* 2005 Feb 2;25:1203-10.

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BIOLOGY

Terry-Lorenzo RT, Roadcap DW, Otsuka T, Blanpied TA, Zamorano PL, Garner CC, Shenolikar S, Ehlers MD. Neurabin/Protein Phosphatase-1 Complex Regulates Dendritic Spine Morphogenesis and Maturation. *Mol Biol Cell.* 2005 Mar 2; [Epub ahead of print]

Wang C, Wilson WA, Moore SD, Mace BE, Maeda N, Schmechel DE, Sullivan PM. Human apoE4-targeted replacement mice display synaptic deficits in the absence of neuropathology. *Neurobiol Dis.* 2005 Mar;18:390-8.

Mooney R, Prather JF. The HVC microcircuit: the synaptic basis for interactions between song motor and vocal plasticity pathways. *J Neurosci.* 2005 Feb 23;25:1952-64.

Ehlers MD. Synapse Formation: Astrocytes Spout off. *Curr Biol.* 2005 Feb 22;15:R134-7.

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Kim KM, Gainetdinov RR, Laporte SA, Caron MG, Barak LS. G Protein-coupled receptor kinase regulates dopamine D3 receptor signaling by modulating the stability of a receptor/filamin/beta-arrestin complex: A case of autoreceptor regulation. *J Biol Chem.* 2005 Feb 1; [Epub ahead of print]

Jarvis ED, Gunturkun O, Bruce L, Csillag A, Karten H, Kuenzel W, Medina L, Paxinos G, Perkel DJ, Shimizu T, Striedter G, Wild JM, Ball GF, Dugas-Ford J, Durand SE, Hough GE, Husband S, Kubikova L, Lee DW, Mello CV, Powers A, Siang C, Smulders TV, Wada K, White SA, Yamamoto K, Yu J, Reiner A, Butler AB; Avian Brain Nomenclature Consortium. Avian brains and a new understanding of vertebrate brain evolution. *Nat Rev Neurosci.* 2005 Feb;6:151-9.

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