

PERIMETER LETTER 3.15.05

GEORGETTE'S PAPER

- Riluzole, which inhibits glutamate release, led to decreased bipolar depression when combined with lithium, in this open-label study.

Zarate CA Jr, Quiroz JA, Singh JB, Denicoff KD, De Jesus G, Luckenbaugh DA, Charney DS, Manji HK. An open-label trial of the glutamate-modulating agent riluzole in combination with lithium for the treatment of bipolar depression. *Biol Psychiatry*. 2005 Feb 15;57:430-2.

http://www.sciencedirect.com/science?_ob=MIimg&_imagekey=B6T4S-4F973K4-2-1&_cdi=4982&_user=38557&_orig=browse&_coverDate=02%2F15%2F2005&_sk=999429995&view=c&wchp=dGLbVlz-zSkzV&md5=f701dc8f5ebd52af496912436b7e04db&ie=/sdarticle.pdf

TRAUMA

- PTSD symptoms and borderline features were found to influence each other in traumatized Desert Storm veterans. Both Table 1 and Table 2 have the main results.

Axelrod SR, Morgan CA 3rd, Southwick SM. Symptoms of posttraumatic stress disorder and borderline personality disorder in veterans of Operation Desert Storm. *Am J Psychiatry*. 2005 Feb;162:270-5.

<http://ajp.psychiatryonline.org/cgi/reprint/162/2/270>

- Exposure therapy is superior to active control in this meta-analysis of psychotherapies for PTSD. Table 4 has the main results.

Bradley R, Greene J, Russ E, Dutra L, Westen D. A multidimensional meta-analysis of psychotherapy for PTSD. *Am J Psychiatry*. 2005 Feb;162:214-27.

<http://ajp.psychiatryonline.org/cgi/reprint/162/2/214>

SUICIDE

- Whites have higher suicide rates, but blacks commit suicide at younger ages, in this population-based study. Table 1 and Figure one have the main results.

Garlow SJ, Purselle D, Heninger M. Ethnic differences in patterns of suicide across the life cycle. *Am J Psychiatry*. 2005 Feb;162:319-23.

<http://ajp.psychiatryonline.org/cgi/reprint/162/2/319>

- Suicide rates were much higher in those with recent self harm in this population-based study. Tables 1 and 4 have the main results.

Cooper J, Kapur N, Webb R, Lawlor M, Guthrie E, Mackway-Jones K, Appleby L. Suicide after deliberate self-harm: a 4-year cohort study. *Am J Psychiatry*. 2005 Feb;162:297-303.

<http://ajp.psychiatryonline.org/cgi/reprint/162/2/297>

- Unsafe storage of firearms at home is related to increased suicide in children, in this case-control study. Table 5 has main results.

Grossman DC, Mueller BA, Riedy C, Dowd MD, Villaveces A, Prodzinski J, Nakagawara J, Howard J, Thiersch N, Harruff R. Gun storage practices and risk of youth suicide and unintentional firearm injuries. *JAMA*. 2005 Feb 9;293:707-14.

<http://jama.ama-assn.org/cgi/reprint/293/6/707.pdf>

DEMENTIA

- There are no good pharmacologic treatments of neuropsychiatric symptoms in dementia, according to this review. The Figure suggests a treatment algorithm.

Sink KM, Holden KF, Yaffe K. Pharmacological treatment of neuropsychiatric symptoms of dementia: a review of the evidence. *JAMA*. 2005 Feb 2;293:596-608.

<http://jama.ama-assn.org/cgi/reprint/293/5/596.pdf>

HOMELESSNESS

- The risk factors and mental health care for homeless persons are outlined in a large population with mental illness. Tables 2 and 3 have the main results.

Folsom DP, Hawthorne W, Lindamer L, Gilmer T, Bailey A, Golshan S, Garcia P, Unutzer J, Hough R, Jeste DV. Prevalence and risk factors for homelessness and utilization of mental health services among 10,340 patients with serious mental illness in a large public mental health system. *Am J Psychiatry*. 2005 Feb;162:370-6.

<http://ajp.psychiatryonline.org/cgi/reprint/162/2/370>

GENETICS

- The short form of the serotonin transporter gene promoter is associated with major depression, in this large case-control study. Table 1 has the results.

Hoefgen B, Schulze TG, Ohlraun S, von Widdern O, Hofels S, Gross M, Heidmann V, Kovalenko S, Eckermann A, Kolsch H, Metten M, Zobel A, Becker T, Nothen MM, Propping P, Heun R, Maier W, Rietschel M. The power of sample size and homogenous sampling: association between the 5-HTTLPR serotonin transporter polymorphism and major depressive disorder. *Biol Psychiatry*. 2005 Feb 1;57:247-51.

http://www.sciencedirect.com/science?_ob=MIImg&_imagekey=B6T4S-4FCR0BJ-9-1&_cdi=4982&_user=38557&_orig=browse&_coverDate=02%2F01%2F2005&_sk=999429996&_view=c&_wchp=dGLbVlz-zSkzS&_md5=fc80dfebb6763df4b3e390486b72f030&_ie=/sdarticle.pdf

SLEEP

- Sleep in young finches led to early morning deterioration of bird song; but morning deterioration eventually related directly to improved learning. Figure 4 has key results.

Deregnacourt S, Mitra PP, Feher O, Pytte C, Tchernichovski O. How sleep affects the developmental learning of bird song. *Nature*. 2005 Feb 17;433:710-6.

http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v433/n7027/full/nature03275_fs.html&content_filetype=pdf

PSYCHOLOGY

- Suppressing negative affect involves increased prefrontal and decreased amygdalar activity, in this imaging study. Figure 3 shows the areas involved.

Phan KL, Fitzgerald DA, Nathan PJ, Moore GJ, Uhdé TW, Tancer ME. Neural substrates for voluntary suppression of negative affect: a functional magnetic resonance imaging study. *Biol Psychiatry*. 2005 Feb 1;57:210-9.

http://www.sciencedirect.com/science?_ob=MIImg&_imagekey=B6T4S-4F6MDHD-7-1&_cdi=4982&_user=38557&_orig=browse&_coverDate=02%2F01%2F2005&_sk=999429996&_view=c&_wchp=dGLbVlz-zSkzS&_md5=288f3827da2e5d84c4d8d81ef9f65a45&_ie=/sdarticle.pdf

DUKE RESEARCH

TRAUMA

Goodwin RD, Davidson JR. Self-reported diabetes and posttraumatic stress disorder among adults in the community. *Prev Med*. 2005 May;40:570-4.

SCHIZOPHRENIA

Morey RA, Inan S, Mitchell TV, Perkins DO, Lieberman JA, Belger A. Imaging frontostriatal function in ultra-high-risk, early, and chronic schizophrenia during executive processing. *Arch Gen Psychiatry*. 2005 Mar;62:254-62.

AUTISM

Pelphrey KA, Morris JP, McCarthy G. Neural basis of eye gaze processing deficits in autism. *Brain*. 2005 Mar 9; [Epub ahead of print]

Ma DQ, Jaworski J, Menold MM, Donnelly S, Abramson RK, Wright HH, DeLong GR, Gilbert JR, Pericak-Vance MA, Cuccaro ML. Ordered-subset analysis of savant skills in autism for 15q11-q13. *Am J Med Genet B Neuropsychiatr Genet*. 2005 Mar 8; [Epub ahead of print]

IMAGING

Wang L, McCarthy G, Song AW, Labar KS. Amygdala activation to sad pictures during high-field (4 tesla) functional magnetic resonance imaging. *Emotion*. 2005 Mar;5:12-22.

PSYCHOLOGY

McCoy AN, Platt ML. Expectations and outcomes: decision-making in the primate brain. *J Comp Physiol A Neuroethol Sens Neural Behav Physiol*. 2005 Mar;191:201-11. Epub 2004 Oct 12.