



PERIMETER LETTER 4.19.05

TRAUMA

Approximately 9% of refugees have PTSD and 5% have major depression, according to this systematic review. Figures 1 and 3 have the main results:

Fazel M, Wheeler J, Danesh J.

Prevalence of serious mental disorder in 7000 refugees resettled in western countries: a systematic review.

[Lancet. 2005 Apr;365:1309-14.](#)

Related article: [J Contemp Psychotherapy. 1999;29:283-306.](#)

Related textbook entry: [Reports of the Surgeon General. Chapter 5.](#)

MED-PSYCH

In patients with ischemic heart disease, 16 weeks of exercise or stress management were associated with improved ejection fraction during mental stress and less depression, versus routine medical care. Table 3 has the main results:

Blumenthal JA, Sherwood A, Babyak MA, Watkins LL, Waugh R, Georgiades A, Bacon SL, Hayano J, Coleman RE, Hinderliter A.

Effects of exercise and stress management training on markers of cardiovascular risk in patients with ischemic heart disease: a randomized controlled trial.

[JAMA. 2005 Apr 6;293:1626-34.](#)

Related article: [Arch Intern Med. 2000 Jul 10;160:1913-21.](#)

Related textbook entry: [Braunwald: Heart Disease: A Textbook of Cardiovascular Medicine, 6th ed., p 1416.](#)

GERIATRICS

Depression was associated with increased total brain white matter hyperintensities and this appeared to be mediated by physical disability and smoking, in an MRI study of a community sample aged 60-64. Tables 3 and 4 have the main results:

Jorm AF, Anstey KJ, Christensen H, de Plater G, Kumar R, Wen W, Sachdev P.

MRI hyperintensities and depressive symptoms in a community sample of individuals 60-64 years old.

[Am J Psychiatry. 2005 Apr;162:699-705.](#)

Related article: [Stroke. 1998 Feb;29:388-98.](#)

Related textbook entry: [Basic Neurochemistry: Molecular, Cellular and Medical Aspects, Sixth Edition. Part 7: 52.](#)

FORENSICS

Fifty-two of 1000 prisoners had psychosis in the past year, compared to 5 of 1000 community members, in this large British survey. Table 2 has key results:

Brugha T, Singleton N, Meltzer H, Bebbington P, Farrell M, Jenkins R, Coid J, Fryers T, Melzer D, Lewis G.

Psychosis in the Community and in Prisons: A Report From the British National Survey of Psychiatric Morbidity.

[Am J Psychiatry. 2005 Apr;162:774-780.](#)

Related article: [Howard J Crim Just. 2002 Feb;41:1-13.](#)

Related textbook entry: [SAMHSA/CSAT Treatment Improvement Protocols. 30: chapter 6.](#)

CHILD

Compared to baseline, children with PANDAS had fewer streptococcal infections and fewer psychiatric exacerbations when given penicillin or azithromycin for a year. Table 3 has the main results:

Snider LA, Lougee L, Slattery M, Grant P, Swedo SE.

Antibiotic prophylaxis with azithromycin or penicillin for childhood-onset neuropsychiatric disorders.

[Biol Psychiatry. 2005 Apr 1;57:788-92.](#)

Related article: [Int J Neuropsychopharmacol. 2001 Jun;4:191-8.](#)

Related textbook entry: [Moore & Jefferson: Handbook of Medical Psychiatry, 2nd ed., p 49.](#)

SUBSTANCE ABUSE

Monthly intramuscular injections of long-acting naltrexone were associated with less heavy alcohol use compared to placebo, especially among men and those with a history of recent abstinence. Table 3 has the main results:

Garbutt JC, Kranzler HR, O'Malley SS, Gastfriend DR, Pettinati HM, Silverman BL, Loewy JW, Ehrich EW; Vivitrex Study Group.

Efficacy and tolerability of long-acting injectable naltrexone for alcohol dependence: a randomized controlled trial.

[JAMA. 2005 Apr 6;293:1617-25.](#)

Related article: [Am J Addict. 2003;12 Suppl 1:S53-68.](#)

Related textbook entry: [SAMHSA/CSAT Treatment Improvement Protocols. 28: chapter 4.](#)

GGT was the most valid marker and CAGE and AUDIT the most valid screening tests for alcohol dependence, according to area under the ROC curve, in this Turkish study. Table 2 has the main results:

Gul S, Akvardar Y, Tas G, Tuncel P.
The Diagnostic Validity of Screening Tests and Laboratory Markers in Alcohol Use Disorders.

[Turk Psikiyatri Derg. 2005 Spring;16:3-12. Turkish.](#)

Related article: [Addiction. 1995 Nov;90:1479-85.](#)

Related textbook entry: [Guide to Clinical Preventive Services, 2nd Edition, 1996. Section 1.](#)

SUICIDE

Twenty-four percent of at-risk persons diagnosed with "possible Huntington's disease" and 22% with stage 2 (of 5) Huntington's disease had suicidal ideation, in this large study of Huntington's. Figure 1 has the main results:

Paulsen JS, Hoth KF, Nehl C, Stierman L.
Critical Periods of Suicide Risk in Huntington's Disease.

[Am J Psychiatry. 2005 Apr;162:725-31.](#)

Related article: [J Neuropsychiatry Clin Neurosci. 2001 Spring;13:187-96.](#)

Related textbook entry: [SAMHSA/CSAT Treatment Improvement Protocols. 42: appendix D.](#)

AUTISM

Reelin protein is reduced, its receptor VLDLR mRNA is increased, and its intracellular adapter Dab-1 mRNA is reduced in frontal and cerebellar postmortem brain of autistic patients. Table 3 and Figure 5 have the main results:

Fatemi SH, Snow AV, Stary JM, Araghi-Niknam M, Reutiman TJ, Lee S, Brooks AI, Pearce DA.

Reelin signaling is impaired in autism.

[Biol Psychiatry. 2005 Apr 1;57:777-87.](#)

Related article: [Ann Med. 2003;35:274-81.](#)

Related textbook entry: [Behrman: Nelson Textbook of Pediatrics, 17th ed., pp 93-94.](#)

DUKE RESEARCH

MED-PSYCH

Brummett BH, Boyle SH, Siegler IC, Williams RB, Mark DB, Barefoot JC.

Ratings of positive and depressive emotion

as predictors of mortality in coronary patients.

[Int J Cardiol. 2005 Apr 20;100:213-6.](#)

Meine TJ, Patel MR, Washam JB, Pappas PA, Jollis JG.

Safety and effectiveness of transdermal nicotine patch in smokers admitted with acute coronary syndromes.

[Am J Cardiol. 2005 Apr 15;95:976-8.](#)

Kelley MJ, Glaser EM, Herndon JE 2nd, Becker F, Bhagat R, Zhang YJ, Santella RM, Carmella SG, Hecht SS, Gallot L, Schilder L, Crowell JA, Perloff M, Folz RJ, Bergan RC.
Safety and efficacy of weekly oral oltipraz in chronic smokers.

[Cancer Epidemiol Biomarkers Prev. 2005 Apr;14:892-9.](#)

PAIN

Anthony KK, Schanberg LE.

Pediatric pain syndromes and management of pain in children and adolescents with rheumatic disease.

[Pediatr Clin North Am. 2005 Apr;52:611-39.](#)

Lai KC, Provenzale JM, Delong D, Mukundan S Jr.

Assessing patient utilities for varying degrees of low back pain.

[Acad Radiol. 2005 Apr;12:467-74.](#)

SUBSTANCE ABUSE

Levin ED, Tizabi Y, Rezvani AH, Caldwell DP, Petro A, Getachew B.

Chronic nicotine and dizocilpine effects on regionally specific nicotinic and NMDA glutamate receptor binding.

[Brain Res. 2005 Apr 18;1041:132-42.](#)

DEEP BRAIN STIMULATION

Grill WM, Simmons AM, Cooper SE, Miocinovic S, Montgomery EB, Baker KB, Rezai AR.

Temporal excitation properties of paresthesias evoked by thalamic microstimulation.

[Clin Neurophysiol. 2005 May;116:1227-34.](#)

IMAGING

Barboriak DP, Padua AO, York GE, Macfall JR.

Creation of DICOM-Aware Applications Using ImageJ.

[J Digit Imaging. 2005 Apr 19](#)

SOCIOLOGY

Ard JD, Durant RW, Edwards LC, Svetkey LP.

Perceptions of African-American culture and implications for clinical trial design.

Ethn Dis. 2005 Spring;15:292-9.

GENETICS

Rampersaud E, Bassuk AG, Enterline DS, M T, Siegel DG, Melvin EC, Aben J, Allen J, Aylsworth A, Brei T, Bodhurtha J, Buran C, Floyd LE, Hammock P, Iskandar B, Ito J, Kessler JA, Lasarsky N, Mack P, Mackey J, McLone D, Meeropol E, Mehlretter L, Mitchell LE, Oakes WJ, Nye JS, Powell C, Sawin K, Stevenson R, Walker M, West SG, Worley G, Gilbert JR, Speer MC.

Whole genome-wide linkage screen for Neural Tube Defects reveals regions of interest on chromosomes 7 and 10.

J Med Genet. 2005 Apr 14

PSYCHOLOGY

Daselaar SM, Veltman DJ, Rombouts SA, Raaijmakers JG, Jonker C.

Aging affects both perceptual and lexical/semantic components of word stem priming: An event-related fMRI study.

Neurobiol Learn Mem. 2005 May;83:251-62.