

DRUG ADVERTISING

Influence of patients' requests for direct-to-consumer advertised antidepressants: a randomized controlled trial.

Kravitz RL, Epstein RM, Feldman MD, Franz CE, Azari R, Wilkes MS, Hinton L, Franks P. *JAMA*. 2005 Apr 27;293:1995-2002.

Patient actors portraying major depression received an antidepressant 53% of the time when they asked for Paxil and at a rate of 31% when they made no request ($p < .001$), while the prescription rates for portrayed adjustment disorder were 55% for requested Paxil and 10% for no request ($p < .001$), in this randomized trial of 152 primary care physicians. See Table 1.

Highly cited paper: J Gen Intern Med. 2000 Jul;15:478-83.

Cochrane review: Selective serotonin reuptake inhibitors (SSRIs) versus other antidepressants for depression.

ACP Journal Club: ACP J Club. 2000 July-Aug;133:10.

FORENSICS

"Culture of life" politics at the bedside--the case of Terri Schiavo.

Annas GJ.

N Engl J Med. 2005 Apr 21;352:1710-5.

The Terri Schiavo case is discussed in relation to two other important cases of persistent vegetative state – Karen Quinlan and Nancy Cruzan – with emphasis on the constitutional right to privacy.

Highly cited paper: JAMA. 1997 Nov 12; 278:1523-8.

Textbook entry: Cancer Medicine 6. Section 22: 79.

GENE THERAPY

RNA interference improves motor and neuropathological abnormalities in a Huntington's disease mouse model.

Harper SQ, Staber PD, He X, Eliason SL, Martins IH, Mao Q, Yang L, Kotin RM, Paulson HL, Davidson BL.

Proc Natl Acad Sci U S A. 2005 Apr 19; 102:5820-5.

RNA interference, involving a short hairpin RNA directed against the mutant huntingtin gene

and packaged in adenoassociated virus that was injected into the striata of transgenic Huntington's disease model mice, led to reduction in huntingtin protein in striata and stable improvement in stride length and coordination. See Figure 3 and Figure 4.

Highly cited paper: Gene Ther. 2000 Jan;7:93-109.

Textbook entry: Eureka Bioscience Collection. Neurodegenerative Disease.

SOCIOLOGY

The influence of social hierarchy on primate health.

Sapolsky RM.

Science. 2005 Apr 29;308:648-52.

The negative health effects of social hierarchy are variable across different primate species and populations, but are consistently related to low socioeconomic status in humans, according to this review. See Table 1.

Highly cited paper: BMJ. 1997 May 17; 314:1472-6.

Textbook entry: Reports of the Surgeon General. Mental Health: Culture, Race, and Ethnicity (supplement). Chapter 2.

EPIDEMIOLOGY

Refining clinical diagnosis with likelihood ratios.

Grimes DA, Schulz KF.

Lancet. 2005 Apr;365:1500-5.

Likelihood ratios are discussed in clinical context. See Figure 1 and Panel 2.

Highly cited paper: JAMA. 2002 Mar 6; 287:1160-70.

Textbook entry: Guide to Clinical Preventive Services, 3 ed. Systematic Evidence Reviews. 6. Screening for Depression. Chapter 3.

GERIATRICS

Voluntary exercise decreases amyloid load in a transgenic model of Alzheimer's disease.

Adlard PA, Perreau VM, Pop V, Cotman CW.

J Neurosci. 2005 Apr 27;25:4217-21.

After five months of voluntary exercise, decreased amyloid-beta plaques were seen in the brains of a transgenic mouse model of Alzheimer's disease, compared to transgenic mice that had remained sedentary. See Figure 1.

Highly cited paper: Psychol Aging. 1995 Dec; 10:578-89.

Textbook entry: AHRQ Evidence reports and summaries. 110. End-of-Life Care and Outcomes. Chapter 3.

EATING DISORDERS

Translational approaches to understanding anorexia nervosa.

Klein DA, Walsh BT.

Int J Eat Disord. 2005 Apr 25;37(S1):S10-S14

The application of animal models of food restriction and overeating to human research in anorexia nervosa is discussed.

Highly cited paper: J Neurosci. 1994 May; 14:2579-84.

Textbook entry: AHCPR Archived Clinical Practice Guidelines. 5a. Depression in Primary Care: Detection and Diagnosis, Volume 1: 3.

PSYCHOLOGY

The dynamics of interhemispheric compensatory processes in mental imagery.

Sack AT, Camprodon JA, Pascual-Leone A, Goebel R.

Science. 2005 Apr 29;308:702-4.

The right posterior parietal cortex spatially compares mental images and, after the image-generating left posterior parietal cortex is inhibited by repetitive transcranial magnetic stimulation, the right posterior parietal cortex can compensate and generate mental images, according to this fMRI study in humans. See Figure 2.

Highly cited paper: J Cogn Neurosci. 2000 Jan;12:1-47.

Textbook entry: Neuroscience, 2 ed. V: 26.

Unilateral storage of fear memories by the amygdala.

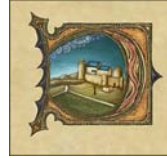
Blair HT, Huynh VK, Vaz VT, Van J, Patel RR, Hiteshi AK, Lee JE, Tarpley JW.

J Neurosci. 2005 Apr 20;25:4198-205.

Fear conditioning in rats was blocked when muscimol was injected into the lateral amygdala contralateral to an eyelid that was electrically shocked as the unconditioned stimulus, but was not blocked when muscimol was injected into the amygdala ipsilateral to the unconditioned stimulus. See Figure 3.

Highly cited paper: Annu Rev Neurosci. 2000; 23:155-84.

Textbook entry: Neuroscience, 2 ed. V: 29.



DUKE RESEARCH

PHARMACOLOGY

Review: in people with bipolar disorder, short term antidepressants improve clinical response, although tricyclics risk inducing mania.

Masand P, Mago R.

Evid Based Ment Health. 2005 May;8:35.

BIOLOGY

Novelty Seeking and Stereotypic Activation of Behavior in Mice with Disruption of the Dat1 Gene.

Pogorelov VM, Rodriguiz RM, Insko ML, Caron MG, Wetsel WC.

Neuropsychopharmacology. 2005 Apr 27