

arrest and incarceration compared to controls. Comorbid conduct problems during childhood and serious antisocial behavior in adolescence predicted later criminality in adulthood. (Satterfield JH, Schell A. A prospective study of hyperactive boys with conduct problems and normal boys: adolescent and adult criminality. J Am Acad Child Adolesc Psychiatry December 1997;36:1726-1735). (Reprints: Dr Anne Schell, Psychology Department, Occidental College, 1600 Campus Rd, Los Angeles, CA 90041).

COMMENT. Hyperactive children are at an increased risk for criminal behavior and arrest in adolescence and in adulthood. Childhood conduct problems and adolescent antisocial behavior are predictors of later arrest for criminality. Hyperactive children have a five times normal rate of developing conduct disorders and a subsequent increased risk of criminality. Stealing from other children, and telling lies to get out of trouble are conduct problems that appear minor but may lead to more serious antisocial behavior in adolescence unless treated by early intervention counselling. Multimodal treatment of ADHD in childhood results in improved academic achievement and less antisocial behavior compared to drug-only treated patients.

HEADACHE DISORDERS

SUMATRIPTAN NASAL SPRAY FOR ACUTE MIGRAINE

The efficacy and side effects of intranasal sumatriptan (20 mg, 10 mg) or placebo in the treatment of a single migraine attack were evaluated in two randomized, double-blind, multicenter studies of 409 and 436 adult patients, funded by Glaxo Wellcome. Pain relief to mild or none occurred at 2-hours in two thirds of patients treated with 20 mg doses, in one half the group receiving 10 mg, and in one third of placebo-treated patients. A second dose was given within 24 hours to one-third of patients who had a recurrence of headache. Bitter or unpleasant taste in 25% was the most common side effect. (Ryan R, Elkind A, Baker CC et al. Sumatriptan nasal spray for the acute treatment of migraine. Results of two clinical studies. Neurology Nov 1997;49:1225-1230). (Reprints: Dr Robert Ryan, 621 South New Ballas Rd, Suite 537, St Louis, MO 63141).

COMMENT. Sumatriptan nasal spray (20 mg, 10 mg) is an effective treatment of acute migraine attacks, and should offer a more convenient and practical means of treatment in migraine-associated vomiting or in patients who object to injections.

Zolmitriptan (Zomig) for acute migraine was found effective in a multicenter, double-blind, placebo-controlled study of 1000 patients. The optimal initial dose was 2.5 mg orally. (Rapoport AM, Ramadan NM, Adelman JU, et al. Neurology Nov 1997;49:1210-1218). In a further trial of 2.5 mg oral dose of zolmitriptan cf placebo in 327 patients, 12 to 65 years old, headache response at 2 hours was 62% cf to 36% for placebo. (Solomon GD, Cady RK, Klapper JA et al. Neurology Nov 1997;49:1219-1225).

Autosomal dominant familial hemiplegic migraine, previously mapped to 19p chromosome locus, is linked to chromosome 1q31 in a 39-member four-generation family from Wyoming. The majority reported minor head trauma as a trigger for attacks. (Gardner K, Barmada MM, Ptacek LJ, Hoffman EP. A new locus for hemiplegic migraine maps to chromosome 1q31. Neurology Nov 1997;49:1231-1238).