Diffuse muscle pain with quetiapine
We report the case of a 28-year-old female out-patient with bipolar disorder, whose symptomatology was well-controlled with lithium carbonate 1200 mg (orally) (0.9 mEq/l plasma levels) and risperidone 1–2 mg (orally) daily. The patient had been treated for several years in our department and the course of her illness was well-known; it showed that only lithium was both effective and well-tolerated (topiramate was not effective and carbamazepine caused a rash) and only in coadministration with low doses of risperidone.

However, the use of risperidone caused a large increase in prolactin levels (above 2000 µU/l, with normal values below 500 µU/l) and amenorrhoea (the rest of the hormonal investigation and brain magnetic resonance imaging were normal). The patient was put on 5 mg olanzapine (orally), but she did not tolerate this agent because it made her feel ‘confused’ and ‘tired’. She was then put on 200 mg quetiapine (orally). Within 24 h the patient manifested diffuse muscle pains and headache. She reported that her legs were stiff and she had pain in her knee joints. Neurological examination was normal, as were blood and biochemical tests including creatine phosphokinase. Vital signs were normal. No extrapyramidal signs or symptoms (especially akathisia) were present. The pain persisted for 5 more days and the patient demanded that quetiapine be discontinued. The pain disappeared within the first 48 h of shifting back to risperidone, which was according to the wishes of the patient. Six months passed and the patient is still free from symptoms.

To our knowledge, this is the first report of this kind of adverse effect related to quetiapine. Various other antipsychotics, including haloperidol and olanzapine, are reported to cause muscle pain and rigidity because of rhabdomyolysis, but the current case had no laboratory or clinical findings related to rhabdomyolysis.

Adjunctive fluvoxamine with clozapine
We read with interest the article by Williams et al (2002). The authors summarise treatment options for patients resistant to clozapine monotherapy. However, in the section on combining antidepressants with clozapine, several issues deserve more attention. The authors disagree with utilisation of adjunctive antidepressants to reduce the cost of clozapine treatment. In our recent study (Lu et al, 2000), addition of 50 mg/day fluvoxamine to low-dose (100 mg/day) clozapine could raise the mean plasma clozapine level to over 400 ng/ml to achieve suitable therapeutic ranges. Therefore, concomitant fluvoxamine can reduce clozapine doses and, consequently, costs (Armstrong & Cozza, 2001).

Interestingly, this pharmacokinetic interaction is more pronounced in patients with high cytochrome P450 1A2 activity and at low clozapine plasma concentrations (Olesen & Linnet, 2000). This phenomenon could therefore be used to narrow down the wide interindividual variation in blood clozapine concentrations. Several open trials also demonstrated that coadministration of fluvoxamine could augment clozapine efficacy and curtail plasma norclozapine:clozapine ratios (Wetzel et al, 1998; Lu et al, 2000). Norclozapine has been suggested to be more toxic than its parent compound. Although addition of fluvoxamine to low-dose clozapine was well-tolerated in our pilot study (Lu et al, 2000), further studies are warranted to substantiate its safety and efficacy.

Declarations of interest
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Olanzapine-induced tardive dyskinesia
Tardive dyskinesia is a serious and common motor side-effect of treatment with traditional neuroleptics, with an unknown pathophysiological basis. It affects 20–30% of patients on long-term neuroleptic therapy, with elderly patients being at higher risk (American Psychiatric Association, 1994).

Olanzapine is an atypical antipsychotic agent with a reported lack of propensity to cause tardive dyskinesia (Beasley et al, 1999). Recently, it has been suggested that olanzapine can improve tardive dyskinesia in some patients (Littrell et al, 1998; Jaffe & Simpson, 1999). Other authors, however, have shown that the prolonged use of olanzapine can instead be associated with tardive dyskinesia/dystonia (Ananth & Kenan, 1999, Dunayevich & Strakowski, 1999). Here we report the case of a patient who experienced tardive dyskinesia after only few months of treatment with olanzapine.

A 62-year-old housewife with an unremarkable past medical history, sought out-patient treatment in June 2000 for anxiety, insomnia, difficulty thinking and concentrating, and frequent episodes of aggressive behaviour. She was evaluated by neurologists, and was submitted to routine biochemical investigations (unremarkable), a computerised tomography scan (normal), and the Mini-Mental State Examination (24/30). Olanzapine (10 mg/day) was started and this was the sole medication continued thereafter. The patient soon experienced a subjective improvement. Three to four months later she noticed slight involuntary movements of the tongue and jaw. Despite these symptoms, she continued taking olanzapine until it was eventually stopped 1.5 years later (December 2001).

She was admitted to our hospital in March 2002. On examination, she displayed marked and distressing involuntary movements...