

110041510B-0307

Issued to the Medical Profession Only
PACKAGE LEAFLET TEXT
Seroquel XR
50 mg extended-release tablets
200 mg extended-release tablets
300 mg extended-release tablets
400 mg extended-release tablets

Qualitative and quantitative composition
Seroquel XR 50 mg contains 50 mg quetiapine (as quetiapine fumarate)
Seroquel XR 200 mg contains 200 mg quetiapine (as quetiapine fumarate)
Seroquel XR 300 mg contains 300 mg quetiapine (as quetiapine fumarate)
Seroquel XR 400 mg contains 400 mg quetiapine (as quetiapine fumarate)
Seroquel XR contains lactose monohydrate.

Pharmaceutical form
50 mg tablet: Peach, film-coated, capsule shaped, biconvex, intagliated tablet with 'XR50' on 1 side and plain on the other.
200 mg tablet: Yellow, film-coated, capsule shaped, biconvex, intagliated tablet with 'XR200' on 1 side and plain on the other.
300 mg tablet: Pale yellow, film-coated, capsule shaped, biconvex, intagliated tablet with 'XR300' on 1 side and plain on the other.
400 mg tablet: White, film-coated, capsule shaped, biconvex, intagliated tablet with 'XR400' on 1 side and plain on the other.

Clinical Particulars
Therapeutic indications
Seroquel XR is indicated for the treatment of schizophrenia.

Seroquel XR is effective in preventing relapse in stable schizophrenic patients who have been maintained on Seroquel XR.

Seroquel XR is indicated for the treatment of moderate to severe manic episodes in the framework of bipolar disorder.

Seroquel XR is indicated for the treatment of major depressive episodes in bipolar disorder.

Seroquel XR is indicated for the prevention of recurrence in patients with bipolar disorder, in patients whose manic or depressive episode has responded to quetiapine treatment.

Seroquel XR is indicated for the maintenance treatment of bipolar I disorder as adjunctive therapy to lithium or divalproex.

The efficacy of Seroquel XR in bipolar disorder was established, in part, on the basis of extrapolation from the established effectiveness of Seroquel (see 'Clinical Efficacy').

Major depressive disorder
Treatment of recurrent major depressive disorder (MDD) in patients who are intolerant of, or who have an inadequate response to alternative therapies.

Posology and method of administration
Seroquel XR should be administered once daily, without food. The tablets should be swallowed whole and not split, chewed or crushed.

Adults
For the treatment of schizophrenia and moderate to severe manic episodes associated with bipolar disorder

Seroquel XR should be administered at least one hour before a meal. The daily dose at the start of therapy is 300 mg on Day 1 and 600 mg on Day 2. The recommended daily dose is 600 mg, however if clinically justified the dose may be increased to 800 mg daily. The dose should be adjusted within the effective dose range of 400 mg to 800 mg per day, depending on the clinical response and tolerability of the patient. For maintenance therapy in schizophrenia no dosage adjustment is necessary.

For the treatment of depressive episodes associated with bipolar disorder

Seroquel XR should be administered at bedtime. The daily dose for the first four days of therapy is 50 mg (Day 1), 100 mg (Day 2), 200 mg (Day 3) and 300 mg (Day 4). The recommended daily dose is 300 mg. In clinical trials, no additional benefit was seen in the 600 mg group compared to the 300 mg group (see 'Pharmacodynamic Properties'). Individual patients may benefit from a 600 mg dose. Doses greater than 300 mg should be initiated by physicians experienced in treating bipolar disorder. In addition, in the event of tolerance concerns, clinical trials have indicated that dose reduction to a minimum of 200 mg could be considered.

Maintenance treatment of bipolar I disorder as adjunctive therapy to lithium or divalproex

While there is body of evidence available to specifically address how long the patient treated with Seroquel XR should remain on it, maintenance of efficacy in Bipolar I disorder was demonstrated with Seroquel (administered twice daily totaling 400 to 800 mg per day) as adjunct therapy to lithium or divalproex. Generally, in the maintenance phase, patients continued on the same dose on which they were stabilized during the stabilization phase (see 'Clinical Efficacy').

Patients should be periodically reassessed to determine the need for maintenance treatment and the appropriate dose for such treatment (see 'Clinical Efficacy').

For preventing recurrence in bipolar disorder
For preventing recurrence of manic, mixed or depressive episodes in bipolar disorder, patients who have responded to Seroquel XR for acute treatment of bipolar disorder should continue on Seroquel XR at the same dose administered at bedtime. Seroquel XR dose can be adjusted depending on clinical response and tolerability of the individual patient within the dose range of 300 mg to 800 mg/day. It is important that the lowest effective dose is used for maintenance therapy.

Recurrent major depressive disorder
When treating recurrent MDD in patients who are intolerant of, or who have an inadequate response to alternative therapies, treatment should be initiated either by the treating psychiatrist or by the general practitioner after consultation with the psychiatrist.

Seroquel XR should be administered once daily in the evening. Initial dosing should begin at 50 mg on Day 1 and 2, increased to 150 mg on Day 3 and 4. The usual effective dose in MDD is 150 mg. Further adjustments can be made upwards or downwards within the recommended dose range of 50 mg to 300 mg depending upon the clinical response and tolerability of the patient.

Patients who have not responded to Seroquel XR after 6 weeks treatment for MDD should have treatment re-evaluated.

For maintenance therapy in MDD in patients who have responded to acute treatment, the effective dose during initial treatment should be continued. It is generally recommended that responding patients be treated beyond the acute response, but at the lowest possible dose needed to maintain remission. The dose can be adjusted within the recommended dose range depending upon the clinical response and tolerability of the patient. Patients should be periodically reassessed to determine the need for maintenance treatment.

Long-term safety of Seroquel XR in MDD has not been systematically evaluated (>52 weeks). Thus, the physician who elects to use Seroquel XR in the treatment of MDD should use Seroquel XR for the shortest time that is clinically indicated. When longer treatment is indicated, the physician must periodically re-evaluate the long-term usefulness of the drug for the individual patient keeping in mind the long-term risks.

Switching from Seroquel immediate-release tablets
For more convenient dosing, patients who are currently being treated with divided doses of immediate release Seroquel tablets may be switched to Seroquel XR at the equivalent total daily dose taken once daily. Individual dosage adjustments may be necessary.

Elderly
As with other antipsychotics, Seroquel XR should be used with caution in the elderly, especially during the initial dosing period. The rate of dose titration of Seroquel XR may need to be slower, and the daily therapeutic dose lower, than that used in younger patients. The mean plasma clearance of quetiapine was reduced by 30% to 50% in elderly patients when compared to younger patients. Elderly patients should be started on 50 mg/day. The dose can be increased in increments of 50 mg/day to an effective dose, depending on the clinical response and tolerability of the individual patient. In elderly patients with MDD, initial dosing should begin at 50 mg on Days 1-3, the dose can be increased to 100 mg on Day 4, 150 mg on Day 8 and then up to 300 mg depending on clinical response and tolerability.

Efficacy and safety has not been evaluated in patients over 65 years with depressive episodes in the framework of bipolar disorder.

Children and Adolescents
The safety and efficacy of Seroquel XR have not been evaluated in children and adolescents.

Renal impairment
Dosage adjustment is not necessary in patients with renal impairment.

Hepatic impairment
Quetiapine is extensively metabolized by the liver. Therefore, Seroquel XR should be used with caution in patients with known hepatic impairment, especially during the initial dosing period. Patients with hepatic impairment should be started on 50 mg/day. The dose can be increased in increments of 50 mg/day to an effective dose, depending on the clinical response and tolerability of the individual patient.

Contraindications
Hypersensitivity to the active substance or to any of the excipients of this product.
Concomitant administration of cytochrome P450 3A4 inhibitors, such as HIV-protease inhibitors, azole-antifungal agents, erythromycin, clarithromycin and telazodone, is contraindicated (see 'Interactions with other medicinal products and other forms of interaction').

Special warnings and precautions for use
Suicide/suicidal thoughts or clinical worsening

Depression is associated with an increased risk of suicidal thoughts, self-harm and suicide (suicide-related events). This risk persists until significant remission occurs. As improvement may not occur during the first few weeks or more of treatment, patients should be closely monitored until such improvement occurs. It is general clinical experience that the risk of suicide may increase in the early stages of recovery.

Other psychiatric conditions for which Seroquel XR is prescribed can also be associated with an increased risk of suicide-related events. In addition, these conditions may be co-morbid with major depressive disorder. The same precautions observed when treating patients with major depressive disorder should therefore be observed when treating patients with other psychiatric disorders.

Patients with a history of suicide-related events, or those exhibiting a significant degree of suicidal ideation prior to commencement of treatment are known to be at greater risk of suicidal thoughts or suicide attempts, and should receive careful monitoring during treatment. An FDA meta-analysis of placebo-controlled clinical trials of antidepressant drugs in approximately 4400 children and adolescents and 7700 adult patients with psychiatric disorders showed an increased risk in suicidal behavior in antidepressants compared to placebo in children, adolescents, and young adult patients less than 25 years old. This meta-analysis did not include trials involving quetiapine (see 'Pharmacodynamic properties').

Neutropenia and agranulocytosis
Severe neutropenia (neutrophil count <0.5 X 10⁹/L) without infection has been uncommonly reported in short-term placebo controlled monotherapy clinical trials with quetiapine. There have been reports of agranulocytosis (severe neutropenia with infection) among all patients treated with quetiapine during clinical trials (rare) as well as post-marketing reports (including fatal cases). Most of these cases of severe neutropenia have occurred within a couple of months of starting therapy with quetiapine. There was no apparent dose relationship. Possible risk factors for neutropenia include pre-existing low white cell count (WBC) and history of drug induced neutropenia.

There have been cases of agranulocytosis in patients without pre-existing risk factors. Neutropenia should be considered in patients presenting with infection, particularly in the absence of obvious predisposing factor(s), or in patients with unexplained fever, and should be managed as clinically appropriate.

Quetiapine should be discontinued in patients with a neutrophil count <1.0 X 10⁹/L. These patients should be observed for signs and symptoms of infection and neutrophil counts followed (until they exceed 1.5 X 10⁹/L) (see 'Undesirable effects').

Hyperglycaemia and Diabetes Mellitus
Hyperglycaemia in some cases extreme and associated with ketoacidosis or hyperosmolar coma or death, has been reported in patients treated with atypical antipsychotics. Assessment of the relationship between atypical antipsychotics use and glucose abnormalities is complicated by the possibility of an increased background risk of diabetes mellitus in patients with schizophrenia and the increased incidence of diabetes mellitus in the general population. Given this confounder, the relationship between atypical antipsychotic use and hyperglycaemia-related adverse events is not completely understood. However, epidemiological studies suggest an increased risk of treatment-emergent hyperglycaemia-related adverse events in patients treated with the atypical antipsychotics. Precise risk estimates for hyperglycaemia-related adverse events in patients treated with atypical antipsychotics are not available.

Patients with an established diagnosis of diabetes mellitus who are started on atypical antipsychotics should be monitored regularly for worsening of glucose control. Patients with risk factors for diabetes mellitus (e.g. obesity, family history of diabetes) who are starting treatment with atypical antipsychotics should undergo fasting blood glucose testing. In some cases, hyperglycaemia has resolved when the atypical antipsychotic was discontinued; however, some patients required continuation of anti-diabetic treatment despite discontinuation of the suspect drug.

Lipids
Increases in triglycerides and cholesterol, and decreases in HDL, have been observed in clinical trials with quetiapine (see 'Undesirable Effects'). Lipid changes should be managed as clinically appropriate.

Metabolic factors
In some patients, a worsening of more than one of the metabolic factors of weight, blood glucose and lipids was observed in clinical studies. Changes in these parameters should be managed as clinically appropriate.

Pancreatitis
Pancreatitis has been reported in clinical trials and during the post marketing experience, however a causal relationship has not been established. Among the post marketing reports, many patients had factors which are known to be associated with pancreatitis such as increased triglycerides (see 'Special warnings and precautions for use - Lipids'), gallstones, and alcohol consumption.

Concomitant illness
Quetiapine should be used with caution in patients with known cardiovascular disease, cerebrovascular disease, or other conditions predisposing to hypotension. Quetiapine may induce orthostatic hypotension especially during the initial dosing or titration period and therefore dose reduction or more gradual titration should be considered if this occurs.

In patients who have a history of or are at risk for sleep apnoea, and are receiving concomitant central nervous system (CNS) depressants, quetiapine should be used with caution.

Dysphagia
Dysphagia (see 'Undesirable effects') and aspiration have been reported with quetiapine. Although a causal relationship with aspiration pneumonia has not been established, quetiapine should be used with caution in patients at risk for aspiration pneumonia.

Constipation and intestinal obstruction
Constipation represents a risk factor for intestinal obstruction. Constipation and intestinal obstruction have been reported with quetiapine (see 'Undesirable effects'). This includes fatal reports in patients who are at higher risk of intestinal obstruction, including those that are receiving multiple concomitant medications that decrease intestinal motility and/or may not report symptoms of constipation.

Seizures
In controlled clinical trials there was no difference in the incidence of seizures in patients treated with quetiapine or placebo. As with other antipsychotics, caution is recommended when treating patients with a history of seizures (see 'Undesirable Effects').

Tardive Dyskinesia and Extrapyramidal Symptoms (EPS)
Tardive dyskinesia is a syndrome of potentially irreversible, involuntary, dyskinetic movements that may develop in chronic or intermittent use of antipsychotic drugs including quetiapine. If signs and symptoms of tardive dyskinesia appear, dose reduction or discontinuation of quetiapine should be considered. The symptoms of tardive dyskinesia can worsen or even arise after discontinuation of treatment (see 'Undesirable Effects').

In placebo-controlled clinical trials for schizophrenia and bipolar mania the incidence of extrapyramidal symptoms was no different from that of placebo across the recommended therapeutic dose range. This predicts that quetiapine has less potential than typical antipsychotic agents to induce tardive dyskinesia in schizophrenia and bipolar mania patients.

In short-term, placebo-controlled clinical trials for bipolar depression and major depressive disorder, the incidence of EPS was higher in quetiapine-treated patients than in placebo-treated patients. (See 'Undesirable Effects' for rates of EPS observed in all indications.)

Neuroleptic Malignant Syndrome
Neuroleptic malignant syndrome has been associated with antipsychotic treatment, including quetiapine (see 'Undesirable Effects'). Clinical manifestations include hyperthermia, altered mental status, muscular rigidity, autonomic instability, and decreased creatinine phosphokinase. In such an event, quetiapine should be discontinued and appropriate medical treatment given.

Serotonin syndrome
Concomitant administration of Seroquel XR and other serotonergic agents, such as MAO inhibitors, selective serotonin re-uptake inhibitors (SSRIs), serotonin norepinephrine re-uptake inhibitors (SNRIs) or tricyclic antidepressants may increase the risk of serotonin syndrome, a potentially life-threatening condition (see 'Interactions with other medicinal products and other forms of interaction').

If concomitant treatment with other serotonergic agents is clinically warranted, careful observation of the patient is advised, particularly during treatment initiation and dose increases. Symptoms of serotonin syndrome may include mental-status changes, autonomic instability, neuromuscular abnormalities, and/or gastrointestinal symptoms.

If serotonin syndrome is suspected, a dose reduction or discontinuation of quetiapine should be considered depending on the severity of the symptoms.

QT Prolongation
In clinical trials quetiapine was not associated with a persistent increase in absolute QT intervals. However, in post-marketing experience there were cases reported of QT prolongation with overdose (see 'Overdose'). As with other antipsychotics, caution should be exercised when quetiapine is prescribed in patients with cardiovascular disease or family history of QT prolongation. Also caution should be exercised when quetiapine is prescribed either with medicines known to increase QT interval or with concomitant neuroleptics, especially for patients with increased risk of QT prolongation, i.e. the elderly, patients with congenital long QT syndrome, congestive heart failure, heart hypertrophy, hypokalaemia or hypomagnesaemia (see 'Interactions with other medicinal products and other forms of interaction').

Cardiomyopathy and Myocarditis
Cardiomyopathy and myocarditis have been reported in clinical trials and during the post-marketing experience, (see 'Undesirable effects'). In patients with suspected cardiomyopathy or myocarditis discontinuation of quetiapine should be considered.

Severe Cutaneous Adverse Reactions
Severe cutaneous adverse reactions (SCARs), including Stevens-Johnson Syndrome (SJS), Toxic Epidermal Necrolysis (TEN), Acute Generalized Exanthematous Pustulosis (AGEP), Erythema multiforme (EM) and Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS) are potentially life threatening adverse drug reactions that have been reported during quetiapine exposure. SCARs commonly present with one or more of the following symptoms: extensive cutaneous rash which may be pruritic or associated with pustules exfoliative dermatitis, fever, lymphadenopathy and possible eosinophilia or neutrophilia. Discontinue quetiapine if severe cutaneous adverse reactions occur.

Withdrawal
Acute withdrawal symptoms such as insomnia, nausea and vomiting have been described after abrupt cessation of antipsychotic drugs including quetiapine. Gradual withdrawal over a period of at least one to two weeks is advisable (see 'Undesirable Effects').

Misuse and abuse
Cases of misuse and abuse have been reported. Caution may be needed when prescribing quetiapine to patients with a history of alcohol or drug abuse.

Use in children and adolescents (10 to 17 years of age)
Although not all adverse reactions that have been identified in the adult patients have been observed in clinical trials with quetiapine in children and adolescent patients, the same special warnings and special precautions for use that appear above for adults should be considered for pediatrics.

Additionally, changes in blood pressure and thyroid function tests and increases in weight and prolactin levels have been observed and should be managed as clinically appropriate (See 'Undesirable effects').

Long-term safety data including growth, maturation, and behavioural development, beyond 26 weeks of treatment with quetiapine, is not available for children and adolescents (10 to 17 years of age).

Elderly patients with dementia
Seroquel XR is not approved for the treatment of dementia-related psychosis.

In a meta-analysis of atypical antipsychotic drugs, it has been reported that elderly patients with dementia-related psychosis are at an increased risk of death compared to placebo. However in two 10-week placebo controlled quetiapine studies in the same patient population (n=710; mean age: 83 years; range: 56-99 years) the incidence of mortality in quetiapine-treated patients was 5.5% versus 3.2% in the placebo group. The patients in these trials died from a variety of causes that were consistent with expectations for this population. These data do not establish a causal relationship between quetiapine treatment and death in elderly patients with dementia.

Anti-cholinergic (muscarinic) effects
Norquetiapine, an active metabolite of quetiapine, has moderate to strong affinity for several muscarinic receptor subtypes. This contributes to ADRs reflecting anti-cholinergic effects when quetiapine is used at recommended doses, when used concomitantly with other medications having anti-cholinergic effects, and in the setting of overdose. Quetiapine should be used with caution in patients receiving medications having anti-cholinergic (muscarinic) effects. Quetiapine should be used with caution in patients with a current diagnosis or prior history of urinary retention, clinically significant prostatic hypertrophy, intestinal obstruction or related conditions, increased intraocular pressure or narrow angle glaucoma. (See 'Interactions with other medicinal products', 'Undesirable effects', 'Overdose' and 'Pharmacodynamic properties, Mechanism of Action'.)

Interactions
See also 'Interactions with other medicinal products and other forms of interactions'.

Concomitant use of quetiapine with hepatic enzyme inducers such as carbamazepine may substantially decrease systemic exposure to quetiapine. Depending on clinical response, higher doses of quetiapine may need to be considered if used concomitantly with a hepatic enzyme inducer.

During concomitant administration of drugs, which are potent CYP3A4 inhibitors (such as azole antifungals, macrolide antibiotics, and protease inhibitors), plasma concentrations of it can be significantly higher than observed in patients in clinical trials. As a consequence of this, lower doses of quetiapine should be used. Special consideration should be given in elderly and debilitated patients. The risk-benefit ratio needs to be considered on an individual basis in all patients.

Weight
Weight gain has been reported in patients who have been treated with quetiapine, and should be monitored and managed as clinically appropriate as in accordance with utilised antipsychotic guidelines (see 'Undesirable effects' and 'Pharmacodynamic properties').

Venous thromboembolism (VTE)
Cases of venous thromboembolism (VTE) have been reported with antipsychotic drugs. Since patients treated with antipsychotics often present with acquired risk factors for VTE, all possible risk factors for VTE should be identified before and during treatment with quetiapine and preventive measures undertaken.

Lactose
Seroquel XR tablets contain lactose. Patients with rare hereditary problems of galactose intolerance, the Lapp lactase deficiency, or glucose-galactose malabsorption should not take this medicine.

Additional information
Quetiapine, when used in combination with divalproex or lithium in acute moderate to severe manic episodes is limited; however, combination therapy was well tolerated (see 'Undesirable Effects' and 'Pharmacodynamic Properties'). The data showed an additive effect at week 3. A second study did not show an additive effect at week 6. There are no combination data available beyond week 6.

Interactions with other medicinal products and other forms of interaction
Given the primary central nervous system effects of quetiapine, quetiapine should be used with caution in combination with other centrally acting medicinal products and alcohol.

Quetiapine should be used with caution in combination with serotonergic medicinal products, such as MAO inhibitors, selective serotonin re-uptake inhibitors (SSRIs), serotonin norepinephrine re-uptake inhibitors (SNRIs) or tricyclic antidepressants as the risk of serotonin syndrome, a potentially life-threatening condition, is increased (see 'Special warnings and Precautions for use').

Caution should be exercised when quetiapine is used concomitantly with drugs known to cause electrolyte imbalance or to increase QT interval (see 'Special warnings and precautions for use').

Caution should be exercised treating patients receiving other medications having anti-cholinergic (muscarinic) effects (see 'Special warnings and precautions for use').

Cytochrome P450 (CYP) 3A4 is the enzyme that is primarily responsible for the cytochrome P450 mediated metabolism of quetiapine. In an interaction study in healthy volunteers, concomitant administration of quetiapine (dosage of 25 mg) with ketoconazole, a CYP3A4 inhibitor, caused a 5- to 8-fold increase in the AUC of quetiapine. On the basis of this, concomitant use of quetiapine with CYP3A4 inhibitors is contraindicated. It is also not recommended to consume grapefruit juice while on quetiapine therapy.

The pharmacokinetics of lithium were not altered when co-administered with quetiapine.

The pharmacokinetics of sodium valproate and quetiapine were not altered to a clinically relevant extent when co-administered.

The pharmacokinetics of quetiapine were not significantly altered following co-administration with the antipsychotics risperidone or haloperidol. However, co-administration of quetiapine and thioridazine caused increases in the clearance of quetiapine.

Quetiapine did not induce the hepatic enzyme systems involved in the metabolism of antipyrene. However, in a multiple dose trial in patients to assess the pharmacokinetics of quetiapine given before and during treatment with carbamazepine (a known hepatic enzyme inducer), co-administration of carbamazepine significantly increased the clearance of quetiapine. This increase in clearance reduced systemic quetiapine exposure (as measured by AUC) to an average of 13% of the exposure during administration of quetiapine alone, although a greater effect was seen in some patients. As a consequence of this interaction, lower plasma concentrations can occur, and hence, in each patient, consideration for a higher dose of quetiapine, depending on clinical response, should be considered. The safety of doses above 800 mg/day has not been established in the clinical trials.

Continued treatment at higher doses should only be considered as a result of careful consideration of the benefit/risk assessment for an individual patient. Co-administration of quetiapine with another microsomal enzyme inducer, phenytoin, also caused increases in the clearance of quetiapine. Increased doses of quetiapine may be required to maintain control of psychotic symptoms in patients co-administered quetiapine and phenytoin, and other hepatic enzyme inducers (e.g. barbiturates, rifampicin etc). The dose of quetiapine may need to be reduced if phenytoin or carbamazepine or other hepatic enzyme inducers are withdrawn and replaced with a non-inducer (e.g. sodium valproate).

There have been reports of false positive results in enzyme immunoassays for methadone and tricyclic antidepressants in patients who have taken quetiapine. Confirmation of questionable immunoassay screening results by an appropriate chromatographic technique is recommended.

Pregnancy and lactation
The safety and efficacy of quetiapine during human pregnancy have not been established. Following some pregnancies in which quetiapine was used, neonatal withdrawal symptoms have been reported. Therefore, quetiapine should only be used during pregnancy if the benefits justify the potential risks.

There have been published reports of quetiapine excretion into human breast milk, however the degree of excretion was not consistent. Women who are breast-feeding should therefore be advised to avoid breast-feeding while taking quetiapine.

Effects on ability to drive and use machines
Given its primary central nervous system effects, quetiapine may interfere with activities requiring mental alertness and coordination. Patients should be advised not to drive or operate machinery, until individual susceptibility to this is known.

Undesirable effects
The most commonly reported Adverse Drug Reactions (ADRs) with quetiapine (>10%) were somnolence, dizziness, withdrawal (discontinuation) symptoms, elevations in serum triglyceride levels, elevations in total cholesterol (predominantly LDL cholesterol), decreases in HDL cholesterol, weight gain, decreased haemoglobin and extrapyramidal symptoms.

The incidences of ADRs associated with quetiapine therapy, are tabulated below according to the format recommended by the Council for International Organizations of Medical Sciences (CIOMS III Working Group 1995).

The frequencies of adverse events are ranked according to the following: Very common (≥1/10), common (≥1/100, <1/10), uncommon (≥1/1000, <1/100), rare (≥1/10,000, <1/1000) and very rare (<1/10,000).	
Blood and lymphatic system disorders	
Common:	Leucopenia ^{1, 27}
Uncommon:	Thrombocytopenia
Unknown:	Neutropenia ¹
Immune system disorders	
Uncommon:	Hypersensitivity
Rare:	Anaphylactic reaction ⁶
Endocrine disorders	
Common:	Hyperprolactinaemia ¹⁸
Very rare:	Inappropriate antidiuretic hormone secretion
Metabolism and nutritional disorders	
Uncommon:	Increased appetite
Uncommon:	Hypernatraemia ²⁸
Very rare:	Diabetes Mellitus ^{1, 5, 6}
Psychiatric disorders	
Common:	Abnormal dreams and nightmares Suicidal ideation and suicidal behaviour ²⁵
Rare:	Somnambulism and other related events
Nervous system disorders	
Very Common:	Dizziness ^{1, 4, 17} , somnolence ^{2, 17} , headache, extrapyramidal symptoms ^{1, 13}
Common:	Dehydration
Uncommon:	Seizure ¹ , restless legs syndrome, Tardive dyskinesia ¹ , syncope ^{1, 17} , Confusional state
Cardiac disorders	
Common:	Tachycardia ¹⁴ , palpitations ²¹
Uncommon:	Bradycardia ²⁸
Not known:	Cardiomyopathy, Myocarditis
Eye Disorders	
Common:	Vision blurred
Vascular disorders	
Common:	Orthostatic hypotension ^{1, 4, 17}
Rare:	Venous thromboembolism ¹
Respiratory, thoracic and mediastinal disorder	
Common:	Dyspnea ²¹
Uncommon:	Rhinitis, sleep apnoea ³¹
Gastrointestinal disorders	
Very Common:	Dry mouth
Common:	Constipation, dyspepsia, vomiting ²³
Uncommon:	Dysphagia ^{1, 4, 6}
Rare:	Intestinal obstruction/ileus
Not known:	Breast ³²
Hepato-biliary disorders	
Common:	Jaundice, hepatitis ⁸
Renal and urinary disorders	
Uncommon:	Urinary retention
Skin and subcutaneous tissue disorders	
Very rare:	Angioedema ¹ , Stevens-Johnson syndrome ⁶
Not known:	Drug reaction with eosinophilia and systemic symptoms (DRESS) Acute Generalized Exanthematous Pustulosis (AGEP) Erythema multiforme (EM), Cutaneous vasculitis
Musculoskeletal and connective tissue disorders	
Very rare:	Rhabdomyolysis
Reproductive system and breast disorders	
Uncommon:	Sexual dysfunction
Rare:	Priapism, Galactorrhoea, breast swelling, menstrual disorder
General disorders and administration site conditions	
Very common:	Withdrawal (discontinuation) symptoms ^{1, 10}
Common:	Mild asthenia, peripheral oedema, irritability, pyrexia
Rare:	Neuroleptic malignant syndrome ¹
Not known:	Neonatal withdrawal ²⁰
Investigations	
Very common:	Elevations in serum triglyceride levels ^{1, 11} Elevations in total cholesterol (predominantly LDL cholesterol) ¹² , Decreases in HDL cholesterol ¹⁴ , Weight gain ¹ , decreased haemoglobin ¹²
Common:	Elevations in serum alanine aminotransferase (ALT) ³ , elevations in gamma-GT levels ³ , decreased neutrophil count ¹ , eosinophils increased ²⁰ , blood glucose increased to >200 mg/dL ¹ , QT prolongation ^{1, 13, 20} , decreases in Total T ₃ ²² , Free T ₃ ²² , decreases in Total T ₄ ²² , increases in TSH ²²
Uncommon:	Elevations in serum aspartate aminotransferase (AST) ¹² , Platelet count decreased ¹⁴ , decreases in free T ₃ ²²
Rare	Elevations in blood creatine phosphokinase ¹⁵ , agranulocytosis ²⁸

- See 'Special Warnings and Precautions for Use'.
- Somnolence may occur, usually during the first two weeks of treatment and generally resolves with the continued administration of quetiapine.
- Asymptomatic elevations (shift from normal to ≥3X ULN at any time) in serum transaminase (ALT, AST) or gamma-GT levels have been observed in some patients administered quetiapine.
- As with other antipsychotics with alpha₁ adrenergic blocking activity, quetiapine may commonly induce orthostatic hypotension, associated with dizziness, tachycardia and, in some patients, syncope, especially during the initial dose titration period. (See 'Special Warnings and precautions for Use').
- Exacerbation of pre-existing diabetes has been reported in very rare cases.
- Calculation of Pre-existing diabetes for these ADRs have only been taken from postmarketing data with the immediate release formulation of Seroquel.
- Fasting blood glucose ≥7.0 mmol/L or a non-fasting blood glucose ≥11.1 mmol/L on at least one occasion.
- An increase in the rate of dysphagia with quetiapine vs. placebo was only observed in the clinical trials in bipolar depression.
- Based on >7% increase in body weight from baseline. Occurs predominantly during the early weeks of treatment.
- The following withdrawal symptoms have been observed most frequently in acute placebo-controlled, monotherapy clinical trials, which evaluated discontinuation symptoms: insomnia, nausea, headache, diarrhoea, vomiting, dizziness, and irritability. The incidence of these reactions had decreased significantly after 1 week post-discontinuation.
- Triglycerides ≥200 mg/dL (≥2.258 mmol/L) (patients ≥18 years of age) or ≥150 mg/dL (≥1.694 mmol/L) (patients <18 years of age) on at least one occasion.
- Cholesterol ≥240 mg/dL (≥6.2064 mmol/L) (patients ≥18 years of age) or ≥200 mg/dL (≥5.172 mmol/L) (patients <18 years of age) on at least one occasion. An increase in LDL cholesterol of ≥30 mg/dL (≥0.769 mmol/L) has been very commonly observed. Mean change among patients who had this increase was 41.7 mg/dL (≥1.07 mmol/L).
- See text below.
- Platelets <100 X

