



Ciproxin[®] Inf. Sol.

50ml/100mg, 100ml/200mg, 200ml/400 mg

Active ingredient: ciprofloxacin

Broad-spectrum antibiotic

Infusion solution

1. NAME OF THE MEDICINAL PRODUCT

Ciproxin 100 mg solution for infusion (0.9% NaCl)
Ciproxin 200 mg solution for infusion (0.9% NaCl)
Ciproxin 400 mg solution for infusion (0.9% NaCl)

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Ciproxin inf. sol. 50ml/100mg:
Each glass bottle with 100 ml infusion solution contains 127.2 mg ciprofloxacin lactate, corresponding to 100 mg ciprofloxacin. The sodium content is 177 mg (17.7 mmol).
Ciproxin inf. sol. 100ml/200mg:
Each glass bottle with 100 ml infusion solution contains 254.4 mg ciprofloxacin lactate, corresponding to 200 mg ciprofloxacin. The sodium content is 354 mg (35.4 mmol).
Ciproxin inf. sol. 200ml/400mg:
Each glass bottle with 200 ml infusion solution contains 508.8 mg ciprofloxacin lactate, corresponding to 400 mg ciprofloxacin. The sodium content is 708 mg (30.8 mmol).

3. PHARMACEUTICAL FORM

Ciproxin inf. sol. 50ml/100mg (with 0.9% NaCl):
Clear, nearly colourless to slightly yellowish solution.
Ciproxin inf. sol. 100ml/200mg (with 0.9% NaCl):
Clear, nearly colourless to slightly yellowish solution.
Ciproxin inf. sol. 200ml/400mg (with 0.9% NaCl):
Clear, nearly colourless to slightly yellowish solution.

4. CLINICAL PARTICULARS

4.1 INDICATION(S)

Adults

For complicated and uncomplicated infections caused by CIPROFLOXACIN SUSCEPTIBLE PATHOGENS.

- Infections of the respiratory tract
In the treatment of outpatients with pneumonia due to *Pneumococcus*, ciprofloxacin should not be used as a first choice of drug.

- Infections of the urinary tract
Ciprofloxacin can be regarded as an advisable treatment for pneumonias caused by *Klebsiella spp.*, *Enterobacter spp.*, *Proteus spp.*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Haemophilus spp.*, *Moraxella catarrhalis*, *Legionella*, and *Staphylococci*.

- Infections of the middle ear (otitis media), of the paranasal sinuses (sinusitis), especially if these are caused by Gram-negative organisms including *Pseudomonas aeruginosa* or *Staphylococci*.

- Infections of the eyes
- Infections of the kidneys and/or the effluent urinary tract
- Infections of the genital organs, including adnexitis, gonorrhoea, prostatitis
- Infections of the abdominal cavity (e.g. adnexitis of the gastrointestinal tract or of the biliary tract, peritonitis)

- Infections of the skin and soft tissue
- Infections of the bones and joints
- Sepsis

- Infections or imminent risk of infection (prophylaxis) in patients whose immune system has been weakened (e.g. patients on immunosuppressants or have neutropenia)

- Selective intestinal decontamination in immunosuppressed patients

Children

- Treatment of complicated urinary tract infections and pyelonephritis due to *Escherichia coli* (aged 11-17 years)
- Acute pulmonary exacerbation of cystic fibrosis associated with *Pseudomonas aeruginosa* (aged range applied in clinical studies: 5-17)

Ciprofloxacin is not the first choice for the treatment of complicated urinary tract infections in children, because high incident rate of complication on the joints and connective tissue.

The clinical trials in children were performed in the indications listed above. For other indications clinical experience is limited.

Treatment should only be initiated after careful benefit/risk evaluation, due to possible adverse events related to joints and/or surrounding tissues.

Inhalational Anthrax (Post-exposure) in Adults and in Children

Ciprofloxacin can be used for the prevention or progression of disease following exposure to aerosolized *Bacillus anthracis*.

Ciprofloxacin serum concentrations achieved in humans serve as a surrogate endpoint reasonably likely to predict clinical benefit and provide the basis for this indication.

4.2 DOSAGE AND METHOD OF ADMINISTRATION

Dosage regimen

Adults

Unless otherwise prescribed, the following daily doses are recommended for:

	Intravenous
Respiratory tract infection (according to severity and organism)	2 x 200-400 mg
Urinary tract infections: - acute, uncomplicated - cystitis in women (before menopause) - complicated	2 x 100 mg single dose 100 mg 2 x 200 mg
Gonorrhoea - acute, uncomplicated	2 x 100 mg single dose 100 mg
Diarrhea	2 x 200 mg
Other infections (see Indications)	2 x 200-400 mg

- Particularly severe, life threatening infections, i.e.
- Streptococcal pneumonia
- Recurrent infections in cystic fibrosis
- Bone and joint infections
- Septicemia
- Peritonitis

In particular when *Pseudomonas*, *Staphylococcus* or *Streptococcus* is present

Inhalational anthrax (post-exposure) 2 x 400 mg
Drug administration should begin as soon as possible after suspected or confirmed exposure.

Additional information on special population

Children (1-17 years)

- Complicated urinary tract infections and pyelonephritis
For complicated urinary tract infections or pyelonephritis the dose is 6 to 10 mg ciprofloxacin/kg body weight intravenously every eight hours within a maximum of 400 mg ciprofloxacin per dose.

- Cystic fibrosis
Clinical and pharmacokinetic data support the use of ciprofloxacin in pediatric cystic fibrosis patients (aged 5-17 years) with acute pulmonary exacerbation associated with *P. aeruginosa* infection, at a dose of 10 mg ciprofloxacin/kg body weight intravenously 3 times daily (maximum daily dose 1200mg ciprofloxacin).

- Inhalational anthrax (post-exposure) in children
10 mg intravenous/kg twice daily. The maximum of 400 mg intravenously per dose should not be exceeded (maximum daily dose of 800 mg).
Drug administration should begin as soon as possible after suspected or confirmed exposure.

Geriatric patients (>65 years)

Elderly patients should receive a dose as low as possible depending on the severity of their illness and the creatinine clearance.

Patients with renal and hepatic impairment

Adults:

● Impaired renal function
- Patients with creatinine clearance between 31 and 60 ml/min/1.73m² or serum creatinine concentration is between 1.4 and 1.9 mg/100 ml the maximum daily dose should be 800 mg for an intravenous regimen.

- Patients with creatinine clearance less than 30 ml/min/1.73m² or serum creatinine concentration equal or higher than 2.0 mg/100 ml, the maximum daily dose should be 400 mg for an intravenous regimen.

● Impaired renal function and hemodialysis
- Patients with creatinine clearance between 31 and 60 ml/min/1.73m² or serum creatinine concentration is between 1.4 and 1.9 mg/100 ml the maximum daily dose should be 800 mg for an intravenous regimen.

- Patients with creatinine clearance less than 30 ml/min/1.73m² or serum creatinine concentration equal or higher than 2.0 mg/100 ml, the maximum daily dose should be 400 mg for an intravenous regimen or dialysis days after dialysis.

● Impaired renal function and continuous ambulatory peritoneal dialysis (CAPD)
- Addition of ciprofloxacin infusion solution to the dialysate (intraperitoneal): 50 mg ciprofloxacin / liter dialysate administered 4 times a day every 6 hours.

● Impaired liver function
- No dose adjustment is required.

● Impaired renal and liver function
- Patients with creatinine clearance between 31 and 60 ml/min/1.73m² or serum creatinine concentration is between 1.4 and 1.9 mg/100 ml the maximum daily dose should be 800 mg for an intravenous regimen.

- Patients with creatinine clearance less than 30 ml/min/1.73m² or serum creatinine concentration equal or higher than 2.0 mg/100 ml, the maximum daily dose should be 400 mg for an intravenous regimen.

Children:

Dosing in children with impaired renal and/or hepatic function has not been studied.

METHOD OF ADMINISTRATION

Ciprofloxacin solution for infusion should be administered by intravenous infusion over a period of 60 minutes. Slow infusion into a large vein will minimize patient discomfort and reduce the risk of venous irritation. The infusion solution should be infused either directly or after mixing with other compatible infusion solutions.

The ciprofloxacin infusion solution is compatible with physiological saline, Ringer solution and Ringer lactate solution, 5 % and 10 % glucose solutions, 10 % fructose solution, and 5 % glucose solution with 0.225 % NaCl or 0.45 % NaCl. When ciprofloxacin infusion solutions are mixed with compatible infusion solutions, for microbiological reasons and light sensitivity these solutions should be administered shortly after admixture.

Unless compatibility with other infusion solutions/medicinal products has been determined, the infusion solution must always be administered separately. The visual signs of incompatibility are e.g. precipitation, clouding, and discoloration. Incompatibility appears with all infusion solutions/medicinal products that are physically or chemically unstable at the pH of the solution (e.g. penicillins, heparin solutions), especially on combination with solutions adjusted to an alkaline pH (pH of the ciprofloxacin infusion solutions: 3.9-4.5).

DURATION OF TREATMENT

The duration of treatment depends on the severity of the illness and on the clinical and bacteriological course. It is essential to continue therapy for at least 3 days after disappearance of the fever or of the clinical symptoms. Mean duration of treatment:

Adults

- 1 day for acute uncomplicated gonorrhoea and cystitis,
- up to 7 days for infections of the kidneys, urinary tract, and abdominal cavity,
- over the entire period of the neutropenic phase in patients with weakened body defences,
- a maximum of 2 months in osteomyelitis,
- and 7-14 days in all other infections.

In streptococcal infections the treatment must last at least 10 days because of the risk of late complications.

Infections caused by *Chlamydia* should also be treated for a minimum of 10 days.

Children (1-17 years)

- Complicated urinary tract infections and pyelonephritis
For complicated urinary tract infections or pyelonephritis due to *Escherichia coli*, the duration of treatment is 10 – 21 days.

- Cystic fibrosis
For acute pulmonary exacerbation of cystic fibrosis associated with *P. aeruginosa* infection in pediatric patients (aged 5-17 years), the duration of treatment is 10-14 days.

Inhalational anthrax (post-exposure) in adults and children

The total duration of treatment of inhalational anthrax (post-exposure) with ciprofloxacin (intravenous or oral) is 60 days.

4.3 CONTRAINDICATION

Hypersensitivity to ciprofloxacin or other quinolone or any of the excipients (see section "List of excipients").

Concurrent administration of ciprofloxacin and tizanidine is contraindicated (see section "Interaction with other medicinal products and other forms of interaction").

4.4 SPECIAL WARNINGS AND PRECAUTIONS FOR USE

Severe infections and/or infections due to Gram-positive or anaerobic bacteria
For the treatment of severe infections, staphylococcal infections and infections involving anaerobic bacteria, ciprofloxacin should be used in combination with an appropriate antibacterial agent.

Streptococcus pneumoniae infections

Ciprofloxacin is not recommended for treatment of pneumococcal infections due to limited efficacy against *Streptococcus pneumoniae*.

Genital tract infections

Genital tract infections may be caused by fluoroquinolone-resistant *Neisseria gonorrhoeae* isolates. In general, complicated urinary tract infections due to *N. gonorrhoeae*, it is particularly important to obtain local information on the prevalence of resistance to ciprofloxacin and to confirm susceptibility based on laboratory testing.

Cardiac disorders

Ciproxin is associated with cases of QT prolongation (see "Undesirable effects"). As women tend to have a longer baseline QTc interval compared with men, they may be more sensitive to QT-prolonging medications. Elderly patients may be more susceptible to drug-associated effects on the QT interval. Precaution should be taken when using Ciproxin with concomitant drugs that can result in prolongation of the QT interval (e.g., class IA or III antiarrhythmics, tricyclic antidepressants, macrolides, antipsychotics) (see "Interaction with other medicinal products and other forms of interaction") or in patients at risk for QT prolongation or torsades de pointes (e.g., congenital long QT syndrome, uncorrected electrolyte imbalance such as hypokalaemia or hypomagnesaemia and cardiac disease such as heart failure, myocardial infarction, or bradycardia).

Children and adolescents (1-17 years)

As with drugs in this class, ciprofloxacin has been shown to cause arthropathy in weight-bearing joints in immature animals. The analysis of available safety data from ciprofloxacin use in patients less than 18 years of age, the majority of whom had cystic fibrosis, did not disclose any evidence of drug-related cartilage or articular damage. The use of Ciproxin for indications other than the treatment of acute pulmonary exacerbation of cystic fibrosis caused by *Pseudomonas aeruginosa* infection (children aged 5 – 17 years), complicated urinary tract infections and pyelonephritis due to *Escherichia coli* (children aged 1 – 17 years), and for the use in inhalational anthrax (post-exposure) was not studied. For other indications clinical experience is limited.

For the indications of inhalational anthrax (post-exposure), the risk-benefit assessment indicates that administration of ciprofloxacin to pediatric patients is appropriate.

Hypersensitivity

In some instances, the hypersensitivity and allergic reactions may occur following a single dose (see "Undesirable effects"), a physician should be informed immediately. Anaphylactic/anaphylactoid reactions, in very rare instances can progress to a life threatening shock, as in instances after the first administration (see "Undesirable effects"). In these cases, Ciproxin has to be discontinued and medical treatment (e.g. treatment for shock) is required.

Gastrointestinal system

In the event of severe and persistent diarrhoea during or after treatment, a physician must be consulted, since this symptom can hide a serious intestinal disease (life threatening pseudomembranous colitis with possible fatal outcome), requiring immediate treatment. In such cases ciprofloxacin must be discontinued and appropriate therapy initiated. The use of ciprofloxacin, 4 x 250 mg/day). Medicinal products that inhibit peristalsis are contraindicated.

Hepatobiliary system

Cases of hepatic necrosis and life-threatening hepatic failure have been reported with Ciproxin. In the event of any signs and symptoms of hepatic disease (such as anorexia, jaundice, dark urine, pruritus, or tender abdomen), treatment should be discontinued (see "Undesirable effects").

There can be a temporary increase in transaminases, alkaline phosphatase, or cholestatic jaundice, especially in patients with previous liver damage, who are treated with Ciproxin (see "Undesirable effects").

Musculoskeletal system

Ciprofloxacin should avoid to be used in patients with myasthenia gravis because the symptoms can be exacerbated. (Special warning announced by Department of Health)

Tendinitis and tendon rupture (predominantly Achilles tendon), sometimes bilateral, may occur with Ciproxin, even within the first 48 hours of treatment. Inflammation and ruptures of tendon may occur even up to several months after discontinuation of Ciproxin therapy. The risk of tendon rupture may be increased in elderly patients or in patients concomitantly treated with corticosteroids.

At any sign of tendinitis (e.g. painful swelling, inflammation), a physician should be consulted and the antibiotic treatment be discontinued. Care should be taken to keep the affected extremity at rest and avoid any inappropriate physical exercise (as the risk for tendon rupture might increase otherwise). Ciproxin should be used with caution in patients with a history of tendon disorders related to quinolone treatment.

Nervous system

Ciproxin, like other fluoroquinolones, is known to trigger seizures or lower the seizure threshold. In epileptics and in patients who have suffered from previous central nervous system (CNS) disorders (e.g. lowered convulsion threshold, previous history of convulsion, reduced cerebral blood flow, altered brain structure or stroke), Ciproxin should only be used where the benefits of treatment exceed the risks. Since these patients are endangered because of possible undesirable CNS effects. Cases of status epilepticus have been reported (see "Undesirable effects"). If seizures occur, Ciproxin should be discontinued.

Psychiatric reactions may occur even after the first administration of fluoroquinolones, including Ciproxin. In rare cases, depression or psychotic reactions can progress to suicidal ideations/thoughts and self-injurious behaviour, such as attempted or completed suicide (see "Undesirable effects"). In the event that the patient develops any of these reactions, Ciproxin should be discontinued and appropriate measures instituted.

Cases of sensory or sensorimotor polyneuropathy resulting in paresthesias, hypoesthesia, dysesthesias, or weakness have been reported in patients receiving fluoroquinolones including Ciproxin. Patients under treatment with Ciproxin should be advised to inform their doctor prior to continuing treatment if symptoms of neuropathy such as pain, burning, tingling, numbness, or weakness develop (see "Undesirable effects").

Skin and appendages

Ciprofloxacin has been shown to produce photosensitivity reactions. Patients taking Ciproxin should avoid direct exposure to excessive sunlight or UV-light. Therapy should be discontinued if photosensitization (i.e. sunburn-like skin reactions) occurs (see "Undesirable effects").

Cytochrome P450

Ciprofloxacin is known to be a moderate inhibitor of the CYP 450 1A2 enzymes. Care should be taken when other medicinal products are administered concomitantly which are metabolized via the same enzymatic pathway (e.g. tizanidine, theophylline, methylxanthines, caffeine, duloxetine, ropinirole, clozapine, olanzapine). Increased plasma concentrations associated with drug-specific side effects may be observed due to inhibition of the metabolic clearance by ciprofloxacin (see section "Interaction with other medicinal products and other forms of interaction").

Injection site reaction

Local intravenous site reactions have been reported with the intravenous administration of Ciproxin (see "Undesirable effects"). These reactions are more frequent if the infusion time is 30 minutes or less. These may appear as local skin reactions which resolve rapidly upon completion of the infusion. Subsequent intravenous administration is not contraindicated unless the reactions recur or worsen.

Interaction with tests

Ciprofloxacin *in vitro* potency may interfere with the *Mycobacterium tuberculosis* culture test by suppression of mycobacterial growth, causing false-negative results in specimens from patients currently taking Ciproxin.

4.5 INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION

Drugs known to prolong QT interval

Ciproxin, like other fluoroquinolones, should be used with caution in patients receiving drugs known to prolong the QT interval (e.g. Class IA and III anti-arrhythmics, tricyclic antidepressants, macrolides, antipsychotics) (see "Special warnings and precautions for use").

Probenecid

Probenecid interferes with renal secretion of ciprofloxacin. Co-administration of probenecid and Ciproxin increases the ciprofloxacin serum concentrations.

Tizanidine

In a clinical study in healthy subjects, there was an increase in tizanidine serum concentrations (C_{max} increase: 7-fold; range: 4 to 21-fold; AUC increase: 10-fold; range: 6 to 24-fold) when given concomitantly with ciprofloxacin. Associated with the increased serum concentrations was a potentiated hypotensive and sedative effect (see "Cytochrome P450" in section "Special warnings and precautions for use").

Tizanidine containing medicinal products must not be administered together with Ciproxin (See "Contraindications").

Theophylline

Concurrent administration of ciprofloxacin and theophylline containing medicinal products can cause an undesirable increase in the serum theophylline concentration. This can lead to theophylline-induced undesirable effects; in very rare cases, these undesirable effects can be life threatening or fatal. If concurrent use of the two medicinal products is unavoidable, the serum theophylline concentration should therefore be checked and the theophylline dose appropriately reduced (see "Cytochrome P450" in section "Special warnings and precautions for use").

Other xanthine derivatives

Concurrent administration of ciprofloxacin and caffeine or pentoxifylline (oxpentifylline) containing products, raised serum concentrations of these xanthine derivatives were reported.

Phenitoin

Altered (decreased or increased) serum levels of phenitoin were observed in patients receiving Ciproxin and phenitoin simultaneously. To avoid the loss of seizure control associated with decreased phenitoin levels, and to prevent phenitoin overdose-related undesirable effects when Ciproxin is discontinued in patients receiving both agents, monitoring of phenitoin therapy, including phenitoin serum concentration measurements, is recommended during and shortly after co-administration of Ciproxin with phenitoin.

Methotrexate

Renal tubular transport of methotrexate may be inhibited by concomitant administration of Ciproxin, potentially leading to increased plasma levels of methotrexate. This might increase the risk of methotrexate-associated toxic reactions. Therefore, patients under methotrexate therapy should be carefully monitored when concomitant Ciproxin therapy is indicated.

NSAID

Animal studies have shown that the combination of very high doses of quinolones (gyrase inhibitors) and certain non-steroidal anti-inflammatory agents (but not acetylsalicylic acid) can provoke convulsions.

Cyclosporin

A transient rise in the concentration of serum creatinine was observed when ciprofloxacin and cyclosporin containing medicinal products were administered simultaneously. Therefore, it is frequently (once a week) necessary to control the serum creatinine concentrations in these patients.

Vitamin K antagonists

Simultaneous administration of Ciproxin with a vitamin K antagonist may augment its anticoagulant effect. The risk may vary with the underlying infection, age and general status of the patient so that the contribution of ciprofloxacin to the increase in INR (international normalized ratio) is difficult to assess. The INR should be monitored frequently during and shortly after co-administration of ciprofloxacin with a vitamin K antagonist (e.g., warfarin, acenocoumarol, phenprocoumon, or flouidione).

Oral antidiabetic agents

Hypoglycaemia has been reported when Ciproxin and oral antidiabetic agents, mainly sulfonylureas (e.g. glibenclamide, glibenipide), were co-administered, presumably by intensifying the action of the oral antidiabetic agent (see "Undesirable effects").

Duloxetine

In clinical studies, it was demonstrated that concomitant use of duloxetine with strong inhibitors of the CYP450 1A2 isozyme such as fluvoxamine, may result in an increase of AUC and C_{max} of duloxetine. Although no clinical data are available on a possible interaction with ciprofloxacin, similar effects can be expected upon concomitant administration (see "Cytochrome P450" in section "Special warnings and precautions for use").

Ropinrole

It was shown in a clinical study that concomitant use of ropinrole with ciprofloxacin, a medium inhibitor of the CYP450 1A2 isozyme, resulted in increases in the C_{max} and AUC of ropinrole of 60 and 84%, respectively. Monitoring ropinrole-related side effects of dose adjustment as appropriate is recommended during and shortly after co-administration with Ciproxin (see "Cytochrome P450" in section "Special warnings and precautions for use").

Lidocaine

It was demonstrated in healthy subjects that concomitant use of lidocaine containing medicinal products with ciprofloxacin, a moderate inhibitor of CYP450 1A2 isozyme, reduces clearance of intravenous lidocaine by 22%. Although lidocaine treatment was well tolerated, a possible interaction with ciprofloxacin associated with side effects may occur upon concomitant administration.

Clozapine

Following concomitant administration of 250 mg ciprofloxacin with clozapine for 7 days, serum concentrations of clozapine and N-desmethylclozapine were increased by 29% and 31%, respectively. Clinical surveillance and appropriate adjustment of clozapine dosage during and shortly after co-administration with Ciproxin are advised (see "Cytochrome P450" in section "Special warnings and precautions for use").

Sildenafil

C_{max} and AUC of sildenafil were increased approximately twofold in healthy subjects after an oral dose of 50 mg given concomitantly with 500 mg ciprofloxacin. Therefore, the dosage of sildenafil should be considered to halve when prescribing Ciproxin concomitantly with sildenafil.

4.6 PREGNANCY AND LACTATION

The safety of ciprofloxacin in pregnant women has not been established. Animal studies do not indicate reproductive toxicity. Based on animal studies, it cannot be excluded that the drug could cause damage to articular cartilage in the immature fetal organism (see "Preclinical safety data"), therefore, the use of Ciproxin is not recommended during pregnancy.

Animal studies have not shown any evidence of teratogenic effects (malformations) (see "Preclinical safety data").

Lactation

Ciprofloxacin is excreted in breast milk. Due to the potential risk of articular damage, the use of Ciproxin is not recommended during breast-feeding (see "Preclinical safety data").

4.7 EFFECTS ON ABILITY TO DRIVE AND USE MACHINES

Fluoroquinolones including ciprofloxacin may result in impairment of the patient's ability to drive or operate machinery due to CNS reactions (see "Undesirable effects"). This applies particularly in combination with alcohol.

4.8 UNDESIRABLE EFFECTS

Summary of the safety profile

Adverse drug reactions based on all clinical studies with ciprofloxacin (oral, parenteral) sorted by CIOMS II categories of frequency are listed below (overall n = 51621).

Listed list of adverse reactions

The frequencies of ADRs reported with Ciproxin are summarised in the table below. Within each frequency grouping, undesirable effects are presented in order of decreasing seriousness.

Frequencies are defined as:

very common (≥ 1/10),
common (≥ 1/100 to < 1/10),
uncommon (≥ 1/1000 to < 1/100),
rare (≥ 1/10,000 to < 1/1,000),
very rare (< 1/10,000).

The ADRs identified only during postmarketing surveillance, and for which a frequency could not be estimated, are listed under "not known".

	Common	Uncommon	Rare	Very Rare	Not Known
Infections and infestations	Mycotic	Superinfections	Antibiotic associated colitis (very rarely with possible fatal outcome)		
Blood and lymphatic system disorders	Eosinophilia	Leukopenia Anemia Neutropenia Leukocytosis Thrombocytopenia Thrombocythaemia	Leukopenyctia Haemolytic anaemia, Aggranulocytosis Pancytopenia (life-threatening) Bone marrow depression (life-threatening)		
Immune system disorders			Allergic reaction Allergic oedema / angioedema	Anaphylactic reaction (life-threatening) Anaphylactoid shock (life-threatening) Serum sickness-like reaction	
Metabolism and nutrition disorders		Decreased appetite and food intake	Hyperglycaemia Hypoglycaemia		
Psychiatric disorders		Psychomotor hyperactivity / agitation	Confusion Anxiety reaction		