

170 mm

2

SPOTMARK
10 x 2

82.6 mm

10

10

2

2

65 mm

Code 128 A
10 x 35 mm

Code 128 A starting point

1

ERP CODE

10

1. NAME OF THE MEDICINAL PRODUCT

GLUCOVANCE 500 mg/2.5 mg, film-coated tablets

GLUCOVANCE 500 mg/5 mg, film-coated tablets

GLUCOVANCE 1000 mg/5 mg, film-coated tablets

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each film-coated tablet contains 500 mg metformin hydrochloride, equivalent to 390 mg metformin, and 2.5mg glibenclamide.

Each film-coated tablet contains 500 mg metformin hydrochloride, equivalent to 390 mg metformin, and 5mg glibenclamide.

Each film-coated tablet contains 1000 mg metformin hydrochloride, equivalent to 780 mg metformin, and 5mg glibenclamide.

Excipients with known effect: lactose.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

GLUCOVANCE 500mg/2.5 mg, film-coated tablet: orange capsule-shaped, biconvex film-coated tablets with '25' engraved on one side.

GLUCOVANCE 500mg/5mg, film-coated tablet: yellow capsule-shaped, biconvex film-coated tablets with '5' engraved on one side.

GLUCOVANCE 1000mg/5mg, film-coated tablet: white to off-white Oval-shaped, biconvex film-coated tablets with '1000' engraved on one side and '5' engraved on the other side.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Treatment of type 2 diabetes in adults, as replacement for previous combination therapy with metformin and glibenclamide in patients whose glycaemia is stable and well-controlled.

4.2 Positivity and method of administration

Positivity

Oral route.

For use in adults only.

General:

As for all hypoglycaemic agents, the dosage should be adapted according to the individual metabolic response (glycaemia, HbA1c).

GLUCOVANCE 500mg/5 mg may preferentially be used in patients inadequately controlled with Glucovance 500mg/2.5 mg.

Adults with normal renal function (GFR \geq 90 mL/min)

Initiation of treatment:

Treatment should be initiated with a dose of the combination product equivalent to previous individual doses of metformin and glibenclamide; the dose being gradually increased depending on results on glycaemic parameters.

Dose titration:

The dosage should be adjusted every 2 weeks or longer, by increments of 1 tablet, depending on glycaemia results.

A gradual increase in the dosage may aid gastrointestinal tolerance and prevent the onset of hypoglycaemia.

For Patients already treated with a combination of metformin and glibenclamide, two tablets of metformin hydrochloride/glibenclamide 500 mg/2.5 mg can be replaced by one tablet of Glucovance 1000 mg/5mg.

Maximum daily recommended dose:

GLUCOVANCE 500mg/2.5 mg, film-coated tablets: The maximum daily recommended dose is 3 tablets of Glucovance 500 mg/2.5 mg.

GLUCOVANCE 500mg/5 mg, film-coated tablets: The maximum daily recommended dose is 3 tablets of Glucovance 500 mg/5 mg. In exceptional cases, an increase up to 4 tablets of Glucovance 500mg/5mg per day may be recommended.

GLUCOVANCE 1000mg/5 mg, film-coated tablets: The maximum daily recommended dose is 3 tablets of Glucovance 1000mg/5mg.

Combination with insulin therapy:

No clinical data are available on the concomitant use of this product with insulin therapy.

How to use:

GLUCOVANCE should be assessed before initiation of treatment with metformin containing products and at least annually thereafter. In patients at an increased risk of further progression of renal impairment and in the elderly, renal function should be assessed more frequently, e.g. every 3-6 months.

The maximum daily dose of metformin should preferably be divided into 2-3 daily doses. Factors that may increase the risk of lactic acidosis (see 4.4) should be reviewed before considering initiation of metformin in patients with GFR < 60 mL/min.

If no adequate strength of Glucovance is available, individual tablets should be used instead of the fixed dose combination.

GFR mL/min	Metformin	Glibenclamide
40-59	Maximum daily dose is 3000 mg.	No dose reduction required.
30-39	Dose reduction may be considered in relation to declining renal function.	
25-29	Maximum daily dose is 2000 mg.	Maximum daily dose is 10.5 mg.
15-24	The starting dose is at most half of the maximum dose.	
10-14	Maximum daily dose is 1000 mg.	Maximum daily dose is 10.5 mg.
5-9	The starting dose is at most half of the maximum dose.	Initiation of therapy is not recommended due to the risk of hypoglycaemia.
< 5	Metformin + glibenclamide are contraindicated.	

Geriatric population:

The dosage of Glucovance should be adjusted depending on renal function parameters (start with 1 tablet of Glucovance 500 mg/2.5 mg); regular checks on the renal function are necessary (see section 4.4).

Patients aged 65 years and older: starting and maintenance doses of glibenclamide must be carefully adjusted to reduce the risk of hypoglycaemia. Treatment should be started with the lowest available dose and increased gradually if necessary (see section 4.4).

Pediatric population:

Glucovance is not recommended for use in children (see section 5.1). Method of administration

The dosage regimen depends on the individual possibility:

Once a day, in the morning at breakfast, for a dosage of 1 tablet/day;

twice a day, morning and evening, for a dosage of 2 or 4 tablets/day;

Three times a day, morning, noon and evening, for a dosage of 3, 5 or 6 tablets/day in the case of using Glucovance 500 mg/2.5 mg, film-Coated Tablets or 3 Tablets/day in the case of using of Glucovance 500mg/5 mg film-coated Tablets or Glucovance 1000mg/5mg, film-coated Tablets.

The tablets should be taken with meals. The dosage regimen should be adjusted according to the individual eating habits. However, any intake must be followed by a meal with a sufficiently high carbohydrate content to prevent the onset of hypoglycaemic episodes.

When Glucovance is co-administered with a bile acid sequestrant, it is recommended that Glucovance should be administered at least 4 hours prior to the bile acid sequestrant in order to minimize the risk of reduced absorption (see section 4.5).

4.3 Contraindications

hypersensitivity to metformin, glibenclamide or other sulphonylureas (SUs) and sulphonamides (Ss) or to any of the excipients listed in section 6.1;

type 1 diabetes (insulin-dependent diabetes), diabetic ketoacidosis;

any type of acute metabolic acidosis (such as lactic acidosis, diabetic ketoacidosis);

severe renal failure (GFR < 30 mL/min);

acute conditions with the potential to alter renal function such as: dehydration, severe infection, shock;

disease which may cause tissue hypoxia (especially acute disease, or worsening of chronic disease) such as decompensated heart failure, respiratory failure, recent myocardial infarction, shock;

hepatic insufficiency, acute alcohol intoxication, alcoholism;

porphyria;

lactation;

in association with miconazole (see section 4.5).

4.4 Special warnings and precautions for use Lactic acidosis

Lactic acidosis, a very rare but serious metabolic complication, most often occurs at acute worsening of renal function or cardiorespiratory illness or sepsis. Metformin accumulation occurs at acute worsening of renal function and increases the risk of lactic acidosis. In case of dehydration (severe diarrhoea or vomiting), fever or reduced fluid intake, metformin should be temporarily discontinued and contact with a health care professional is recommended. Medical products that can acutely impair renal function (such as antihypertensives, diuretics and NSAIDs) should be initiated with caution in metformin-treated patients. Other risk factors for lactic acidosis are excessive alcohol intake, hepatic insufficiency, inadequately controlled diabetes, ketosis, prolonged fasting and any conditions associated with hypoxia, as well as concomitant use of medicinal products that may cause lactic acidosis (see sections 4.3 and 4.5). Patients and/or care-givers should be informed of the risk of lactic acidosis. Lactic acidosis is characterized by acidic dyspnoea, abdominal pain, muscle cramps, asthenia and hypothermia followed by coma. In case of suspected symptoms, the patient should stop taking metformin and seek immediate medical attention. Diagnostic laboratory findings are decreased blood pH (≤ 7.35), increased plasma lactate levels (≥ 5 mmol/L) and an increased anion gap and lactate/pyruvate ratio.

Hypoglycaemia

As it contains a sulphonylurea, Glucovance exposes the patient to a risk of onset of hypoglycaemic episodes. After treatment initiation, a progressive dose titration may prevent the onset of hypoglycaemia. This treatment should only be prescribed if the patient adheres to a regular meal schedule (including breakfast). It is important that carbohydrate intake is regular since the risk of hypoglycaemia is increased by a late meal, insufficient or unbalanced carbohydrate intakes.

Hypoglycaemia is more likely to occur in case of energy-restricted diet, after intensive or prolonged exercise, when alcohol intake or during the administration of a combination of hypoglycaemic agents.

Diagnosis:

The symptoms of hypoglycaemia are: headache, hunger, nausea, vomiting, extreme tiredness, sleep disorder, restlessness, aggression, impaired concentration and reactions, depression, confusion, speech impediment, visual disturbances, trembling, paralysis and paraesthesia, dizziness, eddium, convulsions, somnolence, unconsciousness, superficial breathing and bradycardia. Due to a counterregulation caused by the hypoglycaemia sweating, fear, tachycardia, hyperventilation, angina and arrhythmia can occur.

These latter symptoms can be absent when the hypoglycaemia is developed slowly, in case of autonomic neuropathy or when the patients take beta-blocking agents, clonidine, reserpine, guanethidine or sympathomimetics.

Management of hypoglycaemia:

Moderate hypoglycaemic symptoms without loss of consciousness or neurological manifestations should be corrected by the immediate intake of sugar. An adjustment to the dosage and/or changes to meal patterns should be ensured. Severe hypoglycaemic reactions with coma, seizures or other neurological signs are also possible and constitute a medical emergency requiring immediate treatment with intravenous glucose once the cause is diagnosed or suspected, prior to prompt hospitalization of the patient.

The careful selection of patients and dosage and adequate instructions for the patient are important to reduce the risk of hypoglycaemic episodes. If the patient encounters repeated episodes of hypoglycaemia, which are either severe or associated with unawareness of the situation, antidiabetic treatment options other than Glucovance should be taken into consideration.

Factors favouring hypoglycaemia:

concomitant administration of alcohol, especially combined with fasting;

ritual or (more particularly in elderly patients) inability of the patient to co-operate;

malnutrition, irregular meals, missed meals, fasting or changes to diet;

poor balance between physical exercise and carbohydrate intake;

renal failure;

severe liver failure;

overdose of Glucovance;

certain endocrine disturbances: thyroid insufficiency, pituitary and adrenal gland insufficiency;

concomitant administration of certain other drugs (see section 4.5).

Elderly patients

Age 65 years and older has been identified as a risk factor for hypoglycaemia in patients treated with sulphonylureas. Hypoglycaemia can be difficult to recognize in the elderly. Starting and maintenance doses of glibenclamide must be carefully adjusted to reduce the risk of hypoglycaemia (see section 4.2).

Renal and hepatic failure

The pharmacokinetics and/or pharmacodynamics of Glucovance may be modified in patients with hepatic failure or severe renal failure. If hypoglycaemia occurs in such patients, it may be prolonged, and appropriate treatment must be initiated.

Parent information:

The risks of hypoglycaemia, its symptoms and its treatment, as well as its predisposing conditions, must be explained to the patient and his or her family. Similarly, the risk of lactic acidosis must be considered in the event of non-specific signs such as muscle cramps.

170 mm

10

10

2

2

65 mm

Code 128 A
10 x 35 mm

Code 128 A starting point

1

ERP CODE

10

1. NAME OF THE MEDICINAL PRODUCT

GLUCOVANCE 500 mg/2.5 mg, film-coated tablets

GLUCOVANCE 500 mg/5 mg, film-coated tablets

GLUCOVANCE 1000 mg/5 mg, film-coated tablets

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each film-coated tablet contains 500 mg metformin hydrochloride, equivalent to 390 mg metformin, and 2.5mg glibenclamide.

Each film-coated tablet contains 500 mg metformin hydrochloride, equivalent to 390 mg metformin, and 5mg glibenclamide.

Each film-coated tablet contains 1000 mg metformin hydrochloride, equivalent to 780 mg metformin, and 5mg glibenclamide.

Excipients with known effect: lactose.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

GLUCOVANCE 500mg/2.5 mg, film-coated tablet: orange capsule-shaped, biconvex film-coated tablets with '25' engraved on one side.

GLUCOVANCE 500mg/5mg, film-coated tablet: yellow capsule-shaped, biconvex film-coated tablets with '5' engraved on one side.

GLUCOVANCE 1000mg/5mg, film-coated tablet: white to off-white Oval-shaped, biconvex film-coated tablets with '1000' engraved on one side and '5' engraved on the other side.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Treatment of type 2 diabetes in adults, as replacement for previous combination therapy with metformin and glibenclamide in patients whose glycaemia is stable and well-controlled.

4.2 Positivity and method of administration

Positivity

Oral route.

For use in adults only.

General:

As for all hypoglycaemic agents, the dosage should be adapted according to the individual metabolic response (glycaemia, HbA1c).

GLUCOVANCE 500mg/5 mg may preferentially be used in patients inadequately controlled with Glucovance 500mg/2.5 mg.

Adults with normal renal function (GFR \geq 90 mL/min)

Initiation of treatment:

Treatment should be initiated with a dose of the combination product equivalent to previous individual doses of metformin and glibenclamide; the dose being gradually increased depending on results on glycaemic parameters.

Dose titration:

The dosage should be adjusted every 2 weeks or longer, by increments of 1 tablet, depending on glycaemia results.

A gradual increase in the dosage may aid gastrointestinal tolerance and prevent the onset of hypoglycaemia.

For Patients already treated with a combination of metformin and glibenclamide, two tablets of metformin hydrochloride/glibenclamide 500 mg/2.5 mg can be replaced by one tablet of Glucovance 1000 mg/5mg.

Maximum daily recommended dose:

GLUCOVANCE 500mg/2.5 mg, film-coated tablets: The maximum daily recommended dose is 3 tablets of Glucovance 500 mg/2.5 mg.

GLUCOVANCE 500mg/5 mg, film-coated tablets: The maximum daily recommended dose is 3 tablets of Glucovance 500 mg/5 mg. In exceptional cases, an increase up to 4 tablets of Glucovance 500mg/5mg per day may be recommended.

GLUCOVANCE 1000mg/5 mg, film-coated tablets: The maximum daily recommended dose is 3 tablets of Glucovance 1000mg/5mg.

Combination with insulin therapy:

No clinical data are available on the concomitant use of this product with insulin therapy.

How to use:

GLUCOVANCE should be assessed before initiation of treatment with metformin containing products and at least annually thereafter. In patients at an increased risk of further progression of renal impairment and in the elderly, renal function should be assessed more frequently, e.g. every 3-6 months.

The maximum daily dose of metformin should preferably be divided into 2-3 daily doses. Factors that may increase the risk of lactic acidosis (see 4.4) should be reviewed before considering initiation of metformin in patients with GFR < 60 mL/min.

If no adequate strength of Glucovance is available, individual tablets should be used instead of the fixed dose combination.

GFR mL/min	Metformin	Glibenclamide
40-59	Maximum daily dose is 3000 mg.	No dose reduction required.
30-39	Dose reduction may be considered in relation to declining renal function.	
25-29	Maximum daily dose is 2000 mg.	Maximum daily dose is 10.5 mg.
15-24	The starting dose is at most half of the maximum dose.	
10-14	Maximum daily dose is 1000 mg.	Maximum daily dose is 10.5 mg.
5-9	The starting dose is at most half of the maximum dose.	Initiation of therapy is not recommended due to the risk of hypoglycaemia.
< 5	Metformin + glibenclamide are contraindicated.	

Geriatric population:

The dosage of Glucovance should be adjusted depending on renal function parameters (start with 1 tablet of Glucovance 500 mg/2.5 mg); regular checks on the renal function are necessary (see section 4.4).

Patients aged 65 years and older: starting and maintenance doses of glibenclamide must be carefully adjusted to reduce the risk of hypoglycaemia. Treatment should be started with the lowest available dose and increased gradually if necessary (see section 4.4).

Pediatric population:

Glucovance is not recommended for use in children (see section 5.1). Method of administration

The dosage regimen depends on the individual possibility:

Once a day, in the morning at breakfast, for a dosage of 1 tablet/day;

twice a day, morning and evening, for a dosage of 2 or 4 tablets/day;

Three times a day, morning, noon and evening, for a dosage of 3, 5 or 6 tablets/day in the case of using Glucovance 500 mg/2.5 mg, film-Coated Tablets or 3 Tablets/day in the case of using of Glucovance 500mg/5 mg film-coated Tablets or Glucovance 1000mg/5mg, film-coated Tablets.

The tablets should be taken with meals. The dosage regimen should be adjusted according to the individual eating habits. However, any intake must be followed by a meal with a sufficiently high carbohydrate content to prevent the onset of hypoglycaemic episodes.

When Glucovance is co-administered with a bile acid sequestrant, it is recommended that Glucovance should be administered at least 4 hours prior to the bile acid sequestrant in order to minimize the risk of reduced absorption (see section 4.5).

4.3 Contraindications

hypersensitivity to metformin, glibenclamide or other sulphonylureas (SUs) and sulphonamides (Ss) or to any of the excipients listed in section 6.1;

type 1 diabetes (insulin-dependent diabetes), diabetic ketoacidosis;

any type of acute metabolic acidosis (such as lactic acidosis, diabetic ketoacidosis);

severe renal failure (GFR < 30 mL/min);

acute conditions with the potential to alter renal function such as: dehydration, severe infection, shock;

disease which may cause tissue hypoxia (especially acute disease, or worsening of chronic disease) such as decompensated heart failure, respiratory failure, recent myocardial infarction, shock;

hepatic insufficiency, acute alcohol intoxication, alcoholism;

porphyria;

lactation;

in association with miconazole (see section 4.5).

4.4 Special warnings and precautions for use Lactic acidosis

Lactic acidosis, a very rare but serious metabolic complication, most often occurs at acute worsening of renal function or cardiorespiratory illness or sepsis. Metformin accumulation occurs at acute worsening of renal function and increases the risk of lactic acidosis. In case of dehydration (severe diarrhoea or vomiting), fever or reduced fluid intake, metformin should be temporarily discontinued and contact with a health care professional is recommended. Medical products that can acutely impair renal function (such as antihypertensives, diuretics and NSAIDs) should be initiated with caution in metformin-treated patients. Other risk factors for lactic acidosis are excessive alcohol intake, hepatic insufficiency, inadequately controlled diabetes, ketosis, prolonged fasting and any conditions associated with hypoxia, as well as concomitant use of medicinal products that may cause lactic acidosis (see sections 4.3 and 4.5). Patients and/or care-givers should be informed of the risk of lactic acidosis. Lactic acidosis is characterized by acidic dyspnoea, abdominal pain, muscle cramps, asthenia and hypothermia followed by coma. In case of suspected symptoms, the patient should stop taking metformin and seek immediate medical attention. Diagnostic laboratory findings are decreased blood pH (≤ 7.35), increased plasma lactate levels (≥ 5 mmol/L) and an increased anion gap and lactate/pyruvate ratio.

Hypoglycaemia

As it contains a sulphonylurea, Glucovance exposes the patient to a risk of onset of hypoglycaemic episodes. After treatment initiation, a progressive dose titration may prevent the onset of hypoglycaemia. This treatment should only be prescribed if the patient adheres to a regular meal schedule (including breakfast). It is important that carbohydrate intake is regular since the risk of hypoglycaemia is increased by a late meal, insufficient or unbalanced carbohydrate intakes.

Hypoglycaemia is more likely to occur in case of energy-restricted diet, after intensive or prolonged exercise, when alcohol intake or during the administration of a combination of hypoglycaemic agents.

Diagnosis:

The symptoms of hypoglycaemia are: headache, hunger, nausea, vomiting, extreme tiredness, sleep disorder, restlessness, aggression, impaired concentration and reactions, depression, confusion, speech impediment, visual disturbances, trembling, paralysis and paraesthesia, dizziness, eddium, convulsions, somnolence, unconsciousness, superficial breathing and bradycardia. Due to a counterregulation caused by the hypoglycaemia sweating, fear, tachycardia, hyperventilation, angina and arrhythmia can occur.

These latter symptoms can be absent when the hypoglycaemia is developed slowly, in case of autonomic neuropathy or when the patients take beta-blocking agents, clonidine, reserpine, guanethidine or sympathomimetics.

Management of hypoglycaemia:

Moderate hypoglycaemic symptoms without loss of consciousness or neurological manifestations should be corrected by the immediate intake of sugar. An adjustment to the dosage and/or changes to meal patterns should be ensured. Severe hypoglycaemic reactions with coma, seizures or other neurological signs are also possible and constitute a medical emergency requiring immediate treatment with intravenous glucose once the cause is diagnosed or suspected, prior to prompt hospitalization of the patient.

The careful selection of patients and dosage and adequate instructions for the patient are important to reduce the risk of hypoglycaemic episodes. If the patient encounters repeated episodes of hypoglycaemia, which are either severe or associated with unawareness of the situation, antidiabetic treatment options other than Glucovance should be taken into consideration.

Factors favouring hypoglycaemia:

concomitant administration of alcohol, especially combined with fasting;

ritual or (more particularly in elderly patients) inability of the patient to co-operate;

malnutrition, irregular meals, missed meals, fasting or changes to diet;

poor balance between physical exercise and carbohydrate intake;

renal failure;

severe liver failure;

overdose of Glucovance;

certain endocrine disturbances: thyroid insufficiency, pituitary and adrenal gland insufficiency;

concomitant administration of certain other drugs (see section 4.5).

Elderly patients

Age 65 years and older has been identified as a risk factor for hypoglycaemia in patients treated with sulphonylureas. Hypoglycaemia can be difficult to recognize in the elderly. Starting and maintenance doses of glibenclamide must be carefully adjusted to reduce the risk of hypoglycaemia (see section 4.2).

Renal and hepatic failure

The pharmacokinetics and/or pharmacodynamics of Glucovance may be modified in patients with hepatic failure or severe renal failure. If hypoglycaemia occurs in such patients, it may be prolonged, and appropriate treatment must be initiated.

Parent information:

The risks of hypoglycaemia, its symptoms and its treatment, as well as its predisposing conditions, must be explained to the patient and his or her family. Similarly, the risk of lactic acidosis must be considered in the event of non-specific signs such as muscle cramps.

2
PAGE 2

10

170 mm

2

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65 mm

Code 128 A
10 x 35 mm

Code 128 A starting point

1

ERP CODE

10

1. NAME OF THE MEDICINAL PRODUCT

GLUCOVANCE 500 mg/2.5 mg, film-coated tablets

GLUCOVANCE 500 mg/5 mg, film-coated tablets

GLUCOVANCE 1000 mg/5 mg, film-coated tablets

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each film-coated tablet contains 500 mg metformin hydrochloride, equivalent to 390 mg metformin, and 2.5mg glibenclamide.

Each film-coated tablet contains 500 mg metformin hydrochloride, equivalent to 390 mg metformin, and 5mg glibenclamide.

Each film-coated tablet contains 1000 mg metformin hydrochloride, equivalent to 780 mg metformin, and 5mg glibenclamide.

Excipients with known effect: lactose.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

GLUCOVANCE 500mg/2.5 mg, film-coated tablet: orange capsule-shaped, biconvex film-coated tablets with '25' engraved on one side.

GLUCOVANCE 500mg/5mg, film-coated tablet: yellow capsule-shaped, biconvex film-coated tablets with '5' engraved on one side.

GLUCOVANCE 1000mg/5mg, film-coated tablet: white to off-white Oval-shaped, biconvex film-coated tablets with '1000' engraved on one side and '5' engraved on the other side.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Treatment of type 2 diabetes in adults, as replacement for previous combination therapy with metformin and glibenclamide in patients whose glycaemia is stable and well-controlled.

4.2 Positivity and method of administration

Positivity

Oral route.

For use in adults only.

General:

As for all hypoglycaemic agents, the dosage should be adapted according to the individual metabolic response (glycaemia, HbA1c).

GLUCOVANCE 500mg/5 mg may preferentially be used in patients inadequately controlled with Glucovance 500mg/2.5 mg.

Adults with normal renal function (GFR \geq 90 mL/min)

Initiation of treatment:

Treatment should be initiated with a dose of the combination product equivalent to previous individual doses of metformin and glibenclamide; the dose being gradually increased depending on results on glycaemic parameters.

Dose titration:

The dosage should be adjusted every 2 weeks or longer, by increments of 1 tablet, depending on glycaemia results.

A gradual increase in the dosage may aid gastrointestinal tolerance and prevent the onset of hypoglycaemia.

For Patients already treated with a combination of metformin and glibenclamide, two tablets of metformin hydrochloride/glibenclamide 500 mg/2.5 mg can be replaced by one tablet of Glucovance 1000 mg/5mg.

Maximum daily recommended dose:

GLUCOVANCE 500mg/2.5 mg, film-coated tablets: The maximum daily recommended dose is 3 tablets of Glucovance 500 mg/2.5 mg.

GLUCOVANCE 500mg/5 mg, film-coated tablets: The maximum daily recommended dose is 3 tablets of Glucovance 500 mg/5 mg. In exceptional cases, an increase up to 4 tablets of Glucovance 500mg/5mg per day may be recommended.

GLUCOVANCE 1000mg/5 mg, film-coated tablets: The maximum daily recommended dose is 3 tablets of Glucovance 1000mg/5mg.

Combination with insulin therapy:

No clinical data are available on the concomitant use of this product with insulin therapy.

How to use:

GLUCOVANCE should be assessed before initiation of treatment with metformin containing products and at least annually thereafter. In patients at an increased risk of further progression of renal impairment and in the elderly, renal function should be assessed more frequently, e.g. every 3-6 months.

The maximum daily dose of metformin should preferably be divided into 2-3 daily doses. Factors that may increase the risk of lactic acidosis (see 4.4) should be reviewed before considering initiation of metformin in patients with GFR < 60 mL/min.

If no adequate strength of Glucovance is available, individual tablets should be used instead of the fixed dose combination.

GFR mL/min	Metformin	Glibenclamide
40-59	Maximum daily dose is 3000 mg.	No dose reduction required.
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15-24	The starting dose is at most half of the maximum dose.	
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5-9	The starting dose is at most half of the maximum dose.	Initiation of therapy is not recommended due to the risk of hypoglycaemia.
< 5	Metformin + glibenclamide are contraindicated.	

Geriatric population:

The dosage of Glucovance should be adjusted depending on renal function parameters (start with 1 tablet of Glucovance 500 mg/2.5 mg); regular checks on the renal function are necessary (see section 4.4).

Patients aged 65 years and older: starting and maintenance doses of glibenclamide must be carefully adjusted to reduce the risk of hypoglycaemia. Treatment should be started with the lowest available dose and increased gradually if necessary (see section 4.4).

Pediatric population:

Glucovance is not recommended for use in children (see section 5.1). Method of administration

The dosage regimen depends on the individual possibility:

Once a day, in the morning at breakfast, for a dosage of 1 tablet/day;

twice a day, morning and evening, for a dosage of 2 or 4 tablets/day;

Three times a day, morning, noon and evening, for a dosage of 3, 5 or 6 tablets/day in the case of using Glucovance 500 mg/2.5 mg, film-Coated Tablets or 3 Tablets/day in the case of using of Glucovance 500mg/5 mg film-coated Tablets or Glucovance 1000mg/5mg, film-coated Tablets.

The tablets should be taken with meals. The dosage regimen should be adjusted according to the individual eating habits. However, any intake must be followed by a meal with a sufficiently high carbohydrate content to prevent the onset of hypoglycaemic episodes.

When Glucovance is co-administered with a bile acid sequestrant, it is recommended that Glucovance should be administered at least 4 hours prior to the bile acid sequestrant in order to minimize the risk of reduced absorption (see section 4.5).

4.3 Contraindications

hypersensitivity to metformin, glibenclamide or other sulphonylureas (SUs) and sulphonamides (Ss) or to any of the excipients listed in section 6.1;

type 1 diabetes (insulin-dependent diabetes), diabetic ketoacidosis;

any type of acute metabolic acidosis (such as lactic acidosis, diabetic ketoacidosis);

severe renal failure (GFR < 30 mL/min);

acute conditions with the potential to alter renal function such as: dehydration, severe infection, shock;

disease which may cause tissue hypoxia (especially acute disease, or worsening of chronic disease) such as decompensated heart failure, respiratory failure, recent myocardial infarction, shock;

hepatic insufficiency, acute alcohol intoxication, alcoholism;

porphyria;

lactation;

in association with miconazole (see section 4.5).

4.4 Special warnings and precautions for use Lactic acidosis

Lactic acidosis, a very rare but serious metabolic complication, most often occurs at acute worsening of renal function or cardiorespiratory illness or sepsis. Metformin accumulation occurs at acute worsening of renal function and increases the risk of lactic acidosis. In case of dehydration (severe diarrhoea or vomiting), fever or reduced fluid intake, metformin should be temporarily discontinued and contact with a health care professional is recommended. Medical products that can acutely impair renal function (such as antihypertensives, diuretics and NSAIDs) should be initiated with caution in metformin-treated patients. Other risk factors for lactic acidosis are excessive alcohol intake, hepatic insufficiency, inadequately controlled diabetes, ketosis, prolonged fasting and any conditions associated with hypoxia, as well as concomitant use of medicinal products that may cause lactic acidosis (see sections 4.3 and 4.5). Patients and/or care-givers should be informed of the risk of lactic acidosis. Lactic acidosis is characterized by acidic dyspnoea, abdominal pain, muscle cramps, asthenia and hypothermia followed by coma. In case of suspected symptoms, the patient should stop taking metformin and seek immediate medical attention. Diagnostic laboratory findings are decreased blood pH (≤ 7.35), increased plasma lactate levels (≥ 5 mmol/L) and an increased anion gap and lactate/pyruvate ratio.

Hypoglycaemia

As it contains a sulphonylurea, Glucovance exposes the patient to a risk of onset of hypoglycaemic episodes. After treatment initiation, a progressive dose titration may prevent the onset of hypoglycaemia. This treatment should only be prescribed if the patient adheres to a regular meal schedule (including breakfast). It is important that carbohydrate intake is regular since the risk of hypoglycaemia is increased by a late meal, insufficient or unbalanced carbohydrate intakes.

Hypoglycaemia is more likely to occur in case of energy-restricted diet, after intensive or prolonged exercise, when alcohol intake or during the administration of a combination of hypoglycaemic agents.

Diagnosis:

The symptoms of hypoglycaemia are: headache, hunger, nausea, vomiting, extreme tiredness, sleep disorder, restlessness, aggression, impaired concentration and reactions, depression, confusion, speech impediment, visual disturbances, trembling, paralysis and paraesthesia, dizziness, eddium, convulsions, somnolence, unconsciousness, superficial breathing and bradycardia. Due to a counterregulation caused by the hypoglycaemia sweating, fear, tachycardia, hyperventilation, angina and arrhythmia can occur.

These latter symptoms can be absent when the hypoglycaemia is developed slowly, in case of autonomic neuropathy or when the patients take beta-blocking agents, clonidine, reserpine, guanethidine or sympathomimetics.

Management of hypoglycaemia:

Moderate hypoglycaemic symptoms without loss of consciousness or neurological manifestations should be corrected by the immediate intake of sugar. An adjustment to the dosage and/or changes to meal patterns should be ensured. Severe hypoglycaemic reactions with coma, seizures or other neurological signs are also possible and constitute a medical emergency requiring immediate treatment with intravenous glucose once the cause is diagnosed or suspected, prior to prompt hospitalization of the patient.

The careful selection of patients and dosage and adequate instructions for the patient are important to reduce the risk of hypoglycaemic episodes. If the patient encounters repeated episodes of hypoglycaemia, which are either severe or associated with unawareness of the situation, antidiabetic treatment options other than Glucovance should be taken into consideration.

Factors favouring hypoglycaemia:

concomitant administration of alcohol, especially combined with fasting;

ritual or (more particularly in elderly patients) inability of the patient to co-operate;

malnutrition, irregular meals, missed meals, fasting or changes to diet;

poor balance between physical exercise and carbohydrate intake;

renal failure;

severe liver failure;

overdose of Glucovance;

certain endocrine disturbances: thyroid insufficiency, pituitary and adrenal gland insufficiency;

concomitant administration of certain other drugs (see section 4.5).

Elderly patients

Age 65 years and older has been identified as a risk factor for hypoglycaemia in patients treated with sulphonylureas. Hypoglycaemia can be difficult to recognize in the elderly. Starting and maintenance doses of glibenclamide must be carefully adjusted to reduce the risk of hypoglycaemia (see section 4.2).

Renal and hepatic failure

The pharmacokinetics and/or pharmacodynamics of Glucovance may be modified in patients with hepatic failure or severe renal failure. If hypoglycaemia occurs in such patients, it may be prolonged, and appropriate treatment must be initiated.

Parent information:

The risks of hypoglycaemia, its symptoms and its treatment, as well as its predisposing conditions, must be explained to the patient and his or her family. Similarly, the risk of lactic acidosis must be considered in the event of non-specific signs such as muscle cramps.

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