

accompanied by digestive disorders, abdominal pain and severe asthenia, dyspnoca attributed to acidose, hypothermia and coma.

In particular, the patient should be informed of the importance of adhering to a diet, following a programme of regular physical exercise and making regular checks on glycaemia. Blood sugar imbalance I In case of surgery or any other cause of diabetic decompensation, temporary insulin therapy should be envisaged instead of this treatment The symptoms of hyperglycaemia are: increased urinating, raging thirst and a dry skir nec unrection or patients with acute and unstable heart failure, Glucovance is contraindicated (see section 4.3). GFR should be assessed before treatment initiation and regularly thereafter see section 4.2. Metformin is contraindicated in patients with GFR < 30 ml /min and should be temporarily discontinued in the presence of conditions that after renal function, see section 4.3. Administration of indinated contrast agents nts
intrast agents may lead to contrast induced nephropathy, resulting in metformin accumulation and an increased risk of lactic acidosis. Glucovance should be discontinued prior to or at the time of the imaging procedure and not I restarted until at reas He must arrier, provided that tenal function has been re-evaluated and found to de stade, see set I Concomitant use of glibenclamide with alcohol, phenybutazone or danazol is not recommended (see section 4.5). nce must be discontinued at the time of surgery under general, spinal or epidural anaesthesia. Therapy may be restarted no earlier than 48 hours following surgery or resumption of oral nutrition and provided that renal function has been re-evaluated and found to be Stable.

Other precutions
All patients should continue their diet, with a regular distribution of carbohydrate intake during the day. Overweight patients should continue their energy-restricted diet, Regular physical exercise is as necessary as taking Glucovance.

The usual laboratory tests for diabetes monitoring (logicaemia, MPATc) should be performed regularly, Meterdomin any reduce vitamin in St2 serum levels. The risk of low vitamin in St2 levels increases with increasing metformin dose, treatment duration, and/or in patients with risk factors known to cause vitamin B12 deficiency. In case of suspicion of vitamin B12 deficiency, Vitamin B12 serum levels. The risk of low vitamin B12 levels increases with increasing metformin dose, treatment duration, and/or in patients with risk factors for vitamin B12 deficiency, Metromin therapy should be constituted and appropriate corrective treatment for vitamin B12 serum levels. The discincence provided in the with current clinical guidelines.

Treatment of patients with DBPO-deficiency vitirs suphonylures alreasive may be considered.

Patients with rare herefully a derivative may be considered.

Patients with rare herefully problems of galactors intolerance, total lactase deficiency of quoose-galactose malabsorption should not take this medicine.

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1 Miconazole (systemic route, oromucosal gel]: Increase in the hypoglycaemic effect with possible onset of hypoglycaemic manifestations, or even coma (see section 4.3). Combinations not recommended Related to sulphonylurea(s) Antabuse effect (intolerance to alcohol), notably for chlorpropamide, glibenclamide, glipizide, tolbutamide. Increase of the hypoglycaemic reaction (inhibition of compensation reactions), which may facilitate the onset of a hypoglycaemic coma (see section 4.4). Avoid consumption of alcohol and alcohol-containing medications. Interaction the hydrogleagemic effect of sulphonylurea(s) (displacement of sulphonylurea(s) from protein-binding sites and/or decrease in their elimination). Preferably use another anti-inflammatory agent exhibiting fewer interactions or else warn the national sites and step up the production of the self-monitoring; if necessary, adjust the dosage during treatment with the anti-inflammatory agent and after its withdrawal Related to all antidiabetic agents If the combination cannot be avoided, warn the patient and step up self-monitoring of blood glucose. Possibly adjust the dosage of the antidiabetic treatment during treatment with danazol and after its withdrawal. Related to metformin Alcohol intoxication is associated with an increased risk of lactic acidosis, particularly in cases of fasting, malnutrition or henatic impairment. Foundation of the control of the con Related to all antidiabetic agents Chlogromazine:

At high dossges [100 mg per day of chlopromazine], devation in blood glucose (reduction in release of insulin).

Presuition for use: wan the patient and step up self-monitoring of Eloud glucose, Possibly adjust the dosage of the antidiabetic treatment during treatment with the neuroleptic and after its withdrawal.

Corticosteroids glucocorticoids and tetracosacticies (specinic and local rounds):

Bevalton in blood glucose, sometimes accompanied by ketosis [decreased carbohydrate tolerance with corticosteroids].

Prescuition for use want the patient and step up self-monitoring of blood glucose. Possibly adjust the dosage of the antidiabetic during treatment with corticosteroids and after their withdrawal. Frequency to the second of the paragraph I Preziution for use: wann the patient, step up blood glucose monitoring and possibly transfer to insulin therapy.

Belated to medicinal products can adversely affect renal function which may increase the risk of lactic acidosis, e.g. NSAIDs, including selective cyclo-oxygenase (COX) II inhibitors, ACE inhibitors, angiotensin II receptor antagonists and diuretics, especially loop diuretics. When starting or using such products in combination with mediornin, close monitoring of renal function is necessary.

Ognic cation transporters (CCT)

Observations from the combination of mediornin with the combination of mediornin with

I products of CCT (Such as streamped) may reduce efficacy of mediornin.

I products of CCT (Such as screamped) may reduce efficacy of mediornin.

I products of CCT (Such as screamped) and products of the combination of mediornin and thus lead to an increase in mediornin plasma concentration.

I products of both CCT1 and CCT2 (such as actional logarity) in applications of influence in mediornin plasma concentration.

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I products of both CCT1 and CCT2 (such as actional logarity) in applications of mediornin in any both considered as OCT1 inhibitors/induces ma Related to glibenclamide All beta-blockers mask some of the symptoms of hypoglycaemia: palpitations and tachycardia; Most non-cardioselective beta-blockers increase the incidence and severity of hypoglycaemia. Warn the patient and step up blood glucose self-monitoring, especially at the start of treatment. Angiotensin converting enzyme inhibitors (e.g. captopril, enalapril):

ACE inhibitors may decrease the blood glucose levels. If necessary, adjust the dosage of Glucovance during therapy with an ACE inhibitor and upon its discontinuation. 1 PROCESSED TO BE ADMINISTRATION OF THE PROPERTY OF THE PROPER Poisson.

Risk of decreased hypoglycaemic effect of glibenclamide because bosentan reduces the plasma concentration of glibenclamide. An increased risk of liver enzyme elevations was reported in patients receiving glibenclamide concomitantly with bosentan Warn the patient, set-up monitoring of glycaemia and liver enzymes and adjust the dosage of the antidiabetic treatment if necessar when co-administered simultaneously the plasma concentration of oliberclamide is reduced which may lead to a reduced bypoolvzaemic effect. This effect was not observed if oliberclamide is given in a certain period of time before taking the other medicine. It is recommended that Glucovance should be administered at least 4 hours prior a bile acid sequestrant Other interaction: combination to be taken into account: Related to glibenclamide

Desmopressin:

Reduction in antidiuretic activit 4.6 Fertility, pregnancy and lactation Pregnancy
No oreclinical and clinical data on exposed pregnancies are available for Glucovance. Risk related to diabetes
When uncontrolled, diabetes (gestational or permanent) gives rise to an increase in congenital abnormalities and perinatal mortality. Diabetes must be controlled as far as possible during the period of conception in order to reduce the risk of congenital abnormalities. Risk related to metformin (see section 5.3)

Animal strudies dn not indicate harmful effects with respect to pregnancy, embryonic or fetal development, parturition or postnatal development. IA Plintics amount of total from necessor of the control of the co ell-conducted animal studies in two species.

clinical practice, there are currently no relevant data on which to base an evaluation of potential malformation or fetotoxicity due to glibenclamide when administered during pregnancy. Management
Adequate Blood glucose control allows pregnancy to proceed normally in this category of patients. Glucovance must not be used for the treatment of diabetes during pregnancy,
It is imperative that insulin be used to achieve adequate blood glucose control. It is recommended that the patient be transferred from oral antidiabetic therapy to insulin as soon as she plans to become pregnant or if pregnancy is exposed to this medicinal product. Neonatal
blood glucose monotroning is recommended. Breast-feeding
Metformin is excreted into human breast milk. No adverse effects were observed in breastfed newborns/infants of mothers treated with metformin abone. However, in humans, in the absence of data concerning passage of gilbendamide into breast milk, and in view of the risk of neonatal hypothycaemia, this medicinal product is contraindicated in the event of breast-feeding. Fertility

Fertility

Fertility

Fertility

Fertility of male of remale rats was unaffected by metformin when administered at dooss as high as 800 mg/lg/day, which is approximately three times the maximum recommended human daily dose based on body surface area comparisons.

Fertility of male or female rats was unaffected by metformin when administered area comparisons.

Fertility of male or female rats was unaffected by albendamide when administered area comparisons.

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Fertility of male or female rats was unaffected by metformin when administered at the support of the properties of the support o During treatment initiation, the most common adverse reactions are nausea, vomiting, diarrhoea, abdominal pain and loss of appetite which resolve spontaneously in most cases. To prevent them, it is recommended to take Glucovance in 2 or 3 daily doses and to increase slowly | The Goldwing adverse reactions may occur at the start of treatment due to a decrease in glycaemia levels.

| The following adverse reactions may occur under treatment with Glucovance, Frequencies are defined as follows: very common: >1/10; common ≥1/100, <1/10; uncommon: ≥1/1,000, <1/10; Blood and lymphatic system disorders: PAGE 2

2), These are reversible upon treatment discontinuation. Very rare: Agranulocytosis, haemolytic anaemia, bone marrow aplasia and pancytopenia Metabolism and nutrition disorders: Hypoglycaemia (see section 4.4). mmon: Vitamin R12 decrease/deficiency (see section 4. ery rare: Lactic acidosis (see section 4.4 isulfiram-like reaction with alcohol intake Nervous system disorders signt visual disturbances may occur at the start of treatment due to a decrease in glycaemia levels. Inansent visual disturbances improved as the same to recommend of the Castroinetism disorders:

Were remmon: Gastroinetism disorders such as nausea, vomiting, diarrhoea, abdominal pain and loss of appetite. These undesirable effects occur more frequently during treatment initiation and resolve spontaneously in most cases. To prevent them, it is recommended to Lucovance be taken in 2 or 3 daily doses. A slow increase of the dose may also improve gastrointestinal tolerability.

kin and subcutaneous tissue disorders in derivatives may occur.

cross reactivity to sulphonamidies) and their derivatives may occur.

rers Skin reactions such as pruritus, urticaria, maculopapular rash.

rey rare; Cutaneous or visceral allergic angilitis, erythema multiforme, exfoliative dermatitis, photosensitization, urticaria evolving to shock. Very rare: Cutaneous or visceral allergic anglitis, erythema multiforme, exfolative dermatitis, hepatobiliany disorders: Very rare: User function test abnormalities or hepatitis requiring treatment discontinuation investigations: Uncommon: Average to moderate elevations in serum urea and creatinine concentrations. Very rare: Hyponatremia. Reporting of suspected adverse reactions and after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via the nation. Reporting suspected adverse reactions a reporting system listed in Appendix V. 4.9 Overdose victious may precipinate injugglyacemia autu-on the presence of une supprinting lace section 4.9.1, actic acidosis is a medical emergency and must be treated in hospital. The most effective treatment is to remove lactate and military before the existence of concomitant risk factors may lead to lactic acidosis due to the presence of metformin (see section 4.4). Lactic acidosis is a medical emergency and must be treated in hospital. The most effective treatment is to remove lactate and military to the presence of the prese e of glibenclamide may be prolonged in patients suffering from liver disease. Since glibenclamide is extensively bound to proteins, it is not eliminated by dialysis. PHARMACOLOGICAL PROPERTIES . 1 Pharmacodynamic properties harmacotherapeutic group: Biguanides and sulphonamide(s) in combination. ATC code: A10BD02 narmacouriespecius group, Buguanieus and supprioriaminates) in cromoniation. Act Code: A robboz.

Eleformin is a biguanide with antityperglycaemie effects, lowering both basal and postprandial plasma glucose. It does not stimulate insulin secretion and therefore does not produce hypoglycaemia. ietrormin may act via 3 mechanisms: Il by reducing hepatic glucose production by inhibiting gluconeogenesis and glycogenolysis in muscle, by increasing insulin sensitivity, improving peripheral glucose uptake and utilisation and by delaying intestinal glucose absorption.

In a discovery of the stimulates intracellular glycogen synthesis by acting on glycogen synthase. Metformin increases the transport capacity of all types of membrane glucose transporters (GLUT). shumans, independently of its action on observation and towards a controlled, medium-term or long-term clinical studies; metformin reduces total cholesterol. EDI-cholesterol and triple levels. In clinical trials conducted so far with combination therapy with metformin and glibenclamide, these favourable effects on lipid metabolism have not been shown. illibenclamide is a second generation subhonyturea with a medium half-life; it causes acute lowering of blood places to stimulation the release of insulin by the pancreas, this effect being dependent on the presence of functioning beta cells in the islets of Langerhans. e stimulation of insulin secretion by olihenclamide in response to a meal is of major importance resumbation of mission secretion by given cannot in response to a mean so or major injuriance, in examination of mission secretion by given cannot in response to a mean so or major injuriance. In earliest for months of treatment and injuriance in response an increase in the postprandial insuling stimulating response. The increased postprandial responses in insuling and Countries controlled secretion persist after at least 6 months of treatment. letformin and glibendamide have different mechanisms and sites of action, but their action is complementary. Glibendamide stimulates the pageres to secrete insulin, while methoratin reduces cell resistance to insulin by acting on peripheral (skeletal muscle) and henat sensionly to insuri.

Results from controlled, double blind clinical trials versus reference products in the treatment of type 2 diabetes inadequately controlled by monotherapy with metformin or dibenclamide combined with diet and exercise, have demonstrated that the combination had an Pacidatic population:

In a 28-week, solve controlled, double-blind, clinical study performed in 157 pacidatric patients aged 9 to 16 years with type 2 diabetes not adequately controlled with diet and exercise, with or without an oral antidiabetic treatment, a fixed combination of metformin hydrochroined 250 mg and glibenclamide 1.25 mg was not shown more effective to either metformin hydrochroined or glibenclamide in reducing HbA1c from baseline. Therefore, Gliscovance should not be used in pacidatric patients.

5.2 Pharmacokinetic properties Related to the combination is similar to that noted when one tablet or metformin and one tablet or glibenclamide are taken simultaneously. The bioavailability of metformin in the combination is unaffected by the ingestion of food, but the absorption speed of glibenclamide is increased by eating. Absorption:
After an oral dose of metformin tablet, maximum plasma concentration (Cmax) is reached in approximately 2.5 hours (tmax). Absolute bioavailability of a 500 mg or 850 mg metformin tablet is approximately 50-60% in healthy subjects. After an oral dose, the non-absorbed er oral administration, netformin absorption is saturable and incomplete. It is assumed that the pharmacokinetics of metformin absorption is non-linear. At the usual metformin doses and dosing schedules, steady state plasma concentrations are reached within 24 to 48 I us and are generally less than 1 juginil. In controlled clinical trials, maximum metformin plasma levels (Cmax) did not exceed if indifferent methods are presented by the controlled clinical trials, maximum metformin plasma levels (Cmax) did not exceed if indifferent methods are presented by the controlled clinical trials, maximum methods. <u>Distribution:</u>

Plasma protein binding is negligible. Metformin partitions into erythrocytes. The blood peak is lower than the plasma peak and appears at approximately the same time. The red blood cells most likely represent a secondary compartment of distribution. The mean volume of distribution 42 ranged from 63 to 276 I. Biotransformation:

Metformin is excreted unchanged in the urine. No metabolites have been identified in humans. Elimination:
Renal clearance of metformin is > 400 ml/min, indicating that metformin is eliminated by glomerular filtration and tubular secretion. Following an oral dose, the apparent terminal elimination half-life is approximately 6.5 hours.

When renal function is impaired, renal clearance is decreased in proportion to that of creatinine and thus the elimination half-life is prolonged, leading to increased levels of metformin in plasma. elated to glibenclamide Absorption:
Glibenclamide is very readily absorbed (> 95%) following oral administration. The peak plasma concentration is reached in about 4 hours. Distribution:
Glibenclamide is extensively bound to plasma albumin (99%), which may account for certain drug interactions. Biotransformation:
Glibenclamide is completely metabolised in the liver to two metabolites. Hepatocellular failure decreases glibenclamide metabolism and appreciably slows down its excretion. Elimination:
Gliberdamide is excreted in the form of metabolites via biliary route (80%) and urine (40%), climination being complete within 45 to 72 hours. Its terminal elimination half-life is 4 to 11 hours.
Bilary exercition of the metabolites increases in cases of renal insufficiency, according to the severity of renal impairment until a creatinine clearance at 30 mil/min. Thus, gliberolamide elimination is unaffected by renal insufficiency as long as the creatinine clearance remains above 30 ml/min. Paediatric population e were no differences in pharmacokineties of aliberclamide and metformin between paediatric nations and weight-and gender-matched healthy adults 5.3 Preclinical safety data or precipital studies have been performed on the combination product. Precipical evaluation of the constituents metformin and olibenclamide revealed no special hazard for humans based on conventional studies of repeated dose toxicity, penotoxicity and carcinopenic min and glibenclamide do not indicate direct or indirect harmful effects with respect to pregnancy, embryonic/ foetal development, parturition or postnatal development, (see section 4.6). 6 PHARMACEUTICAL PARTICULARS <u>Tablet core</u> <u>Microcrystalline cellulose Sodium croscarmellose Povidone K30 Magnesium stearate</u> TEM-coating
Glucovance 500mg/ 2.5 mg Tablets film coating: Opadry OY-L-24808 (orange) (Jactose monohydrate, hypromellose, titanium dioxide (E171), macrogol, vellow iron oxide (E172), red iron oxide (E172), black iron oxide (E172), Glucovance 500mg/ Smg Tablets film coating: Opadry 31-F-22700 (Yellow) (Jactose monohydrate, hypromellose, titanium dioxide (E171), macrogol, vellow iron oxide (E172), red iron oxide (E172), Quinoline Yellow Lake (E104),
Glucovance 1000 mg/ Smg Tablets film coating: Opadry II OY-L-28900 white (Jactose monohydrate, hypromellose, titanium dioxide (E171), macrogol 4000). Not applicable 6.3 Shelf life 1.3 years
6.4 Special precautions for storage
1 This medicinal product does not require any special storage conditions.
5 store Below 30%. Store in the original Package.
6.5 Nature and contents of container
1.0 The third SIGN of the S 30 Tablets in a blister (PVC/Aluminum) 6.6 Special precautions for disposal Any unused product or waste material should be disposed of in accordance with local requirements.
7. MANUFACTURER Merck Sante S.A.S, 2 Rue Du Pressoir Vert, 45400 Semoy, France.

8. MARKETING AUTHORIZATION HOLDER Merck Sante S.A.S, 37 rue Saint Romain, 99379 LYON Cedex 08, France.

9. DATE OF REVISION OF THE TEXT
Mar 2022
This is a second of the Text
This is a second of the Text his is a medicine medicine is a product which affects your health and its consumption, contrary to instructions, is dangerous for you Closely follow your deter's prescription, the method of use and the instructions of the pharmacist who sold the proc Your doctor and the pharmacist are experts in medicine, its boundaries and risks.

On not interrupt the period of treatment prescribed without your doctor's permission. Union of Arab Pharmacists PAGE 3

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