INSULIN GLARGINE- insulin glargine-yfgn injection, solution Mylan Specialty L.P.

HIGHLIGHTS OF PRESCRIBING INFORMATION These highlights do not include all the information needed to use INSULIN GLARGINE-YFGN safely and effectively. See full prescribing information for INSULIN GLARGINE-YFGN.
INSULIN GLARGINE-YFGN injection, for subcutaneous use Initial U.S. Approval: 2021 This product is SEMGLEE (insulin glargine-yfgn). SEMGLEE (insulin glargine-yfgn) is interchangeable* with LANTUS (insulin glargine). INDICATIONS AND USAGE
Insulin Glargine-yfgn is a long-acting human insulin analog indicated to improve glycemic control in adult and pediatric patients with diabetes mellitus. (1) <u>Limitations of Use</u> Not recommended for the treatment of diabetic ketoacidosis. (1)
DOSAGE AND ADMINISTRATION
 Individualize dosage based on metabolic needs, blood glucose monitoring, glycemic control, type of diabetes, and prior insulin use. (2.1, 2.2, 2.3, 2.4) Administer subcutaneously into the abdominal area, thigh, or deltoid once daily at any time of day, but at the same time every day. (2.1) Do not dilute or mix with any other insulin or solution. (2.1) Rotate injection sites to reduce risk of lipodystrophy and localized cutaneous amyloidosis. (2.1) See Full Prescribing Information for the recommended starting dosage in patients with type 2 diabetes and how to change to Insulin Glargine-yfgn from other insulins. (2.3, 2.4) Closely monitor glucose when switching to Insulin Glargine-yfgn and during initial weeks thereafter. (2.4)
Injection: 100 units/mL (U-100) available as:
 10 mL multiple-dose vial (3) 3 mL single-patient-use prefilled pen (3)
CONTRAINDICATIONS
 During episodes of hypoglycemia (4) Hypersensitivity to insulin glargine products or any excipient in Insulin Glargine-yfgn (4)
WARNINGS AND PRECAUTIONS
 Never share an Insulin Glargine-yfgn prefilled pen, insulin syringe, or needle between patients, even if the needle is changed. (5.1) Hyperglycemia or hypoglycemia with changes in insulin regimen: Make changes to a patient's insulin regimen (e.g., insulin strength, manufacturer, type, injection site or method of administration) under close medical supervision with increased frequency of blood glucose monitoring. (5.2) Hypoglycemia: May be life-threatening. Increase frequency of glucose monitoring with changes to: insulin dosage, concomitant drugs, meal pattern, physical activity; and in patients with renal or hepatic impairment and hypoglycemia unawareness. (5.3, 6.1) Hypoglycemia due to medication errors: Accidental mix-ups between insulin products can occur. Instruct patients to check insulin labels before injection. (5.4, 6.3)
 Hypersensitivity reactions: Severe, life-threatening, generalized allergy, including anaphylaxis, can occur. Discontinue Insulin Glargine-yfgn. Monitor and treat if indicated. (5.5, 6.1) Hypokalemia: May be life-threatening. Monitor potassium levels in patients at risk of hypokalemia and treat if indicated. (5.6) Fluid retention and heart failure with concomitant use of thiazolidinediones (TZDs): Observe for signs and symptoms of heart failure; consider dosage reduction or discontinuation of TZD if heart failure
occurs. (5.7)

Adverse reactions commonly associated with insulin glargine products include hypoglycemia, allergic reactions, injection site reactions, lipodystrophy, pruritus, rash, edema, and weight gain. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Mylan at 1-877-446-3679 (1-877-4-INFO-RX) or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

- DRUG INTERACTIONS
- Drugs that Affect Glucose Metabolism: Adjustment of insulin dosage may be needed. (7)
- Antiadrenergic Drugs (e.g., beta-blockers, clonidine, guanethidine, and reserpine): Signs and symptoms of hypoglycemia may be reduced or absent. (5.3, 7)

* An interchangeable product (IP) is a biological product that is approved based on data demonstrating that it is highly similar to an FDA-approved reference product (RP) and that there are no clinically meaningful differences between the products; it can be expected to produce the same clinical result as the RP in any given patient; and if administered more than once to a patient, the risk in terms of safety or diminished efficacy from alternating or switching between use of the RP and IP is not greater than that from the RP without such alternation or switch. Interchangeability of Insulin Glargine-yfgn has been demonstrated for the condition(s) of use, strength(s), dosage form(s), and route(s) of administration described in its Full Prescribing Information.

See 17 for PATIENT COUNSELING INFORMATION, FDA-approved patient labeling and FDA-approved patient labeling.

Revised: 5/2023

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

Insulin Glargine-yfgn is indicated to improve glycemic control in adult and pediatric patients with diabetes mellitus.

Limitations of Use

Insulin Glargine-yfgn is not recommended for the treatment of diabetic ketoacidosis.

2 DOSAGE AND ADMINISTRATION

2.1 Important Administration Instructions

- Always check insulin labels before administration. This product is SEMGLEE (insulin glargine-yfgn) [see Warnings and Precautions (5.4)].
- Visually inspect Insulin Glargine-yfgn vials and prefilled pens for particulate matter and discoloration prior to administration. Only use if the solution is clear and colorless with no visible particles.
- Administer Insulin Glargine-yfgn subcutaneously into the abdominal area, thigh, or deltoid, and rotate injection sites within the same region from one injection to the

next to reduce the risk of lipodystrophy and localized cutaneous amyloidosis. Do not inject into areas of lipodystrophy or localized cutaneous amyloidosis [see Warnings and Precautions (5.2) and Adverse Reactions (6)].

- During changes to a patient's insulin regimen, increase the frequency of blood glucose monitoring [see Warnings and Precautions (5.2)].
- Do not administer intravenously or via an insulin pump.
- Do not dilute or mix Insulin Glargine-yfgn with any other insulin or solution.
- The Insulin Glargine-yfgn prefilled pen dials in 1-unit increments.
- Use the Insulin Glargine-yfgn prefilled pen with caution in patients with visual impairment who may rely on audible clicks to dial their dose.

2.2 General Dosing Instructions

- Administer Insulin Glargine-yfgn subcutaneously once daily at any time of day but at the same time every day.
- Individualize and adjust the dosage of Insulin Glargine-yfgn based on the patient's metabolic needs, blood glucose monitoring results and glycemic control goal.
- Dosage adjustments may be needed with changes in physical activity, changes in meal patterns (i.e., macronutrient content or timing of food intake), during acute illness, or changes in renal or hepatic function. Dosage adjustments should only be made under medical supervision with appropriate glucose monitoring [see Warnings and Precautions (5.2)].
- In patients with type 1 diabetes, Insulin Glargine-yfgn must be used concomitantly with short-acting insulin.

2.3 Initiation of Insulin Glargine-yfgn Therapy

Recommended Starting Dosage in Patients with Type 1 Diabetes

The recommended starting dosage of Insulin Glargine-yfgn in patients with type 1 diabetes is approximately one-third of the total daily insulin requirements. Use short-acting, premeal insulin to satisfy the remainder of the daily insulin requirements.

Recommended Starting Dosage in Patients with Type 2 Diabetes

The recommended starting dosage of Insulin Glargine-yfgn in patients with type 2 diabetes who are not currently treated with insulin is 0.2 units/kg or up to 10 units once daily.

2.4 Switching to Insulin Glargine-yfgn from Other Insulin Therapies

Dosage adjustments are recommended to lower the risk of hypoglycemia when switching patients to Insulin Glargine-yfgn from other insulin therapies [see Warnings and Precautions (5.3)].

When switching from:

- Once-daily insulin glargine 300 units/mL to once-daily Insulin Glargine-yfgn (100 units/mL), the recommended starting Insulin Glargine-yfgn dosage is 80% of the insulin glargine 300 units/mL dosage that is being discontinued.
- Once-daily NPH insulin to once-daily Insulin Glargine-yfgn, the recommended starting Insulin Glargine-yfgn dosage is the same as the dosage of NPH that is being discontinued.
- Twice-daily NPH insulin to once-daily Insulin Glargine-yfgn, the recommended

starting Insulin Glargine-yfgn dosage is 80% of the total NPH dosage that is being discontinued.

3 DOSAGE FORMS AND STRENGTHS

Injection: 100 units/mL (U-100) a clear and colorless solution available as:

- 10 mL multiple dose vial
- 3 mL single-patient-use prefilled pen

4 CONTRAINDICATIONS

Insulin Glargine-yfgn is contraindicated:

- During episodes of hypoglycemia [see Warnings and Precautions (5.3)]
- In patients with hypersensitivity to insulin glargine products or any of the excipients in Insulin Glargine-yfgn [see Warnings and Precautions (5.5)]

5 WARNINGS AND PRECAUTIONS

5.1 Never Share an Insulin Glargine-yfgn Prefilled Pen, Insulin Syringe, or Needle Between Patients

Insulin Glargine-yfgn prefilled pens must never be shared between patients, even if the needle is changed. Patients using Insulin Glargine-yfgn vials must never re-use or share needles or syringes with another person. Sharing poses a risk for transmission of blood-borne pathogens.

5.2 Hyperglycemia or Hypoglycemia with Changes in Insulin Regimen

Changes in an insulin regimen (e.g., insulin strength, manufacturer, type, injection site or method of administration) may affect glycemic control and predispose to hypoglycemia *[see Warnings and Precautions (5.3)]* or hyperglycemia. Repeated insulin injections into areas of lipodystrophy or localized cutaneous amyloidosis have been reported to result in hyperglycemia; and a sudden change in the injection site (to unaffected area) has been reported to result in hypoglycemia *[see Adverse Reactions (6)]*.

Make any changes to a patient's insulin regimen under close medical supervision with increased frequency of blood glucose monitoring. Advise patients who have repeatedly injected into areas of lipodystrophy or localized cutaneous amyloidosis to change the injection site to unaffected areas and closely monitor for hypoglycemia. For patients with type 2 diabetes, dosage adjustments of concomitant oral and antidiabetic products may be needed.

5.3 Hypoglycemia

Hypoglycemia is the most common adverse reaction associated with insulins, including insulin glargine products. Severe hypoglycemia can cause seizures, may be lifethreatening or cause death. Hypoglycemia can impair concentration ability and reaction time; this may place the patient and others at risk in situations where these abilities are important (e.g., driving or operating other machinery). Hypoglycemia can happen suddenly, and symptoms may differ in each patient and change over time in the same patient. Symptomatic awareness of hypoglycemia may be less pronounced in patients with longstanding diabetes, in patients with diabetic neuropathy, using drugs that block the sympathetic nervous system (e.g., beta-blockers) [see Drug Interactions (7)], or who experience recurrent hypoglycemia.

The long-acting effect of insulin glargine products may delay recovery from hypoglycemia.

Risk Factors for Hypoglycemia

The risk of hypoglycemia after an injection is related to the duration of action of the insulin and, in general, is highest when the glucose lowering effect of the insulin is maximal. As with all insulins, the glucose lowering effect time course of insulin glargine products may vary in different patients or at different times in the same patient and depends on many conditions, including the area of injection as well as the injection site blood supply and temperature [see Clinical Pharmacology (12.2)]. Other factors which may increase the risk of hypoglycemia include changes in meal pattern (e.g., macronutrient content or timing of meals), changes in level of physical activity, or changes to concomitant drugs [see Drug Interactions (7)]. Patients with renal or hepatic impairment may be at higher risk of hypoglycemia [see Use in Specific Populations (8.6, 8.7)].

Risk Mitigation Strategies for Hypoglycemia

Patients and caregivers must be educated to recognize and manage hypoglycemia. Selfmonitoring of blood glucose plays an essential role in the prevention and management of hypoglycemia. In patients at higher risk for hypoglycemia and patients who have reduced symptomatic awareness of hypoglycemia, increased frequency of blood glucose monitoring is recommended.

5.4 Hypoglycemia Due to Medication Errors

Accidental mix-ups among insulin products have been reported. To avoid medication errors between Insulin Glargine-yfgn and other insulins, instruct patients to always check the insulin label before each injection [see Adverse Reactions (6.3)].

5.5 Hypersensitivity Reactions

Severe, life-threatening, generalized allergy, including anaphylaxis, can occur with insulins, including insulin glargine products [see Adverse Reactions (6.1)]. If hypersensitivity reactions occur, discontinue Insulin Glargine-yfgn; treat per standard of care and monitor until symptoms and signs resolve. Insulin Glargine-yfgn is contraindicated in patients who have had hypersensitivity reactions to insulin glargine products or one of the excipients.

5.6 Hypokalemia

All insulins, including insulin glargine products, cause a shift in potassium from the extracellular to intracellular space, possibly leading to hypokalemia. Untreated hypokalemia may cause respiratory paralysis, ventricular arrhythmia, and death. Monitor potassium levels in patients at risk for hypokalemia, if indicated (e.g., patients using potassium-lowering medications, patients taking medications sensitive to serum

potassium concentrations).

5.7 Fluid Retention and Heart Failure with Concomitant Use of PPAR-gamma Agonists

Thiazolidinediones (TZDs), which are peroxisome proliferator-activated receptor (PPAR)gamma agonists, can cause dose-related fluid retention, when used in combination with insulin. Fluid retention may lead to or exacerbate heart failure. Patients treated with insulin, including Insulin Glargine-yfgn, and a PPAR-gamma agonist should be observed for signs and symptoms of heart failure. If heart failure develops, it should be managed according to current standards of care, and discontinuation or dose reduction of the PPAR-gamma agonist must be considered.

6 ADVERSE REACTIONS

The following adverse reactions are discussed elsewhere:

- Hypoglycemia [see Warnings and Precautions (5.3)]
- Hypoglycemia Due to Medication Errors [see Warnings and Precautions (5.4)]
- Hypersensitivity Reactions [see Warnings and Precautions (5.5)]
- Hypokalemia [see Warnings and Precautions (5.6)]

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in clinical trials of a drug cannot be directly compared to rates in the clinical trial of another drug and may not reflect the rates observed in practice.

The data in Table 1 reflect the exposure of 2,327 patients with type 1 diabetes to insulin glargine or NPH in Studies A, B, C, and D [see Clinical Studies (14.2)]. The type 1 diabetes population had the following characteristics: Mean age was 39 years. Fifty-four percent were male, 97% were Caucasian, 2% were Black or African American and 3% were Hispanic. The mean BMI was 25.1 kg/m².

The data in Table 2 reflect the exposure of 1,563 patients with type 2 diabetes to insulin glargine or NPH in Studies E, F, and G *[see Clinical Studies (14.3)]*. The type 2 diabetes population had the following characteristics: Mean age was 59 years. Fifty-eight percent were male, 87% were Caucasian, 8% were Black or African American and 9% were Hispanic. The mean BMI was 29.2 kg/m².

The frequencies of adverse reactions during insulin glargine clinical studies in patients with type 1 diabetes mellitus and type 2 diabetes mellitus are listed in the tables below (Tables 1, 2, 3, and 4).

Table 1: Adverse Reactions Occurring $\geq 5\%$ in Pooled Clinical Studies up to
28 Weeks Duration in Adults with Type 1 Diabetes

	Insulin Glargine, % (n = 1,257)	NPH, % (n = 1,070)
Upper respiratory tract infection	22.4	23.1

9.4	10.3
5.7	6.4
5.5	4.7
_	5.7

* Body system not specified

Table 2: Adverse Reactions Occurring ≥ 5% in Pooled Clinical Studies up to 1 Year Duration in Adults with Type 2 Diabetes

	Insulin Glargine, % (n = 849)	NPH, % (n = 714)
Upper respiratory tract infection	11.4	13.3
Infection*	10.4	11.6
Retinal vascular disorder	5.8	7.4

* Body system not specified

Table 3: Adverse Reactions Occurring \geq 10% in a 5-Year Study of Adults with Type 2 Diabetes

	Insulin Glargine, %	NPH, %
	(n = 514)	(n = 503)
Upper respiratory tract infection	29.0	33.6
Edema peripheral	20.0	22.7
Hypertension	19.6	18.9
Influenza	18.7	19.5
Sinusitis	18.5	17.9
Cataract	18.1	15.9
Bronchitis	15.2	14.1
Arthralgia	14.2	16.1
Pain in extremity	13.0	13.1
Back pain	12.8	12.3
Cough	12.1	7.4
Urinary tract infection	10.7	10.1
Diarrhea	10.7	10.3
Depression	10.5	9.7
Headache	10.3	9.3

	Insulin Glargine, % (n = 174)	NPH, % (n = 175)
Infection*	13.8	17.7
Upper respiratory tract infection	13.8	16.0
Pharyngitis	7.5	8.6
Rhinitis	5.2	5.1

Table 4: Adverse Reactions Occurring ≥ 5% in a 28-Week Clinical Study in Pediatric Patients with Type 1 Diabetes

* Body system not specified

Severe Hypoglycemia

Hypoglycemia was the most commonly observed adverse reaction in patients treated with insulin glargine. Tables 5, 6, and 7 summarize the incidence of severe hypoglycemia in the insulin glargine clinical studies. Severe symptomatic hypoglycemia was defined as an event with symptoms consistent with hypoglycemia requiring the assistance of another person and associated with either a blood glucose below 50 mg/dL (\leq 56 mg/dL in the 5-year study and \leq 36 mg/dL in the ORIGIN study) or prompt recovery after oral carbohydrate, intravenous glucose, or glucagon administration.

Percentages of insulin glargine-treated adult patients who experienced severe symptomatic hypoglycemia in the insulin glargine clinical studies [see Clinical Studies (14)] were comparable to percentages of NPH-treated patients for all treatment regimens (see Tables 5 and 6). In the pediatric clinical study, pediatric patients with type 1 diabetes had a higher incidence of severe symptomatic hypoglycemia in the two treatment groups compared to the adult studies with type 1 diabetes.

	Study A		Stud	Study B		Study C		Study D	
	Type 1 Diabetes		Type 1 Diabetes		Туре	Type 1		Type 1	
					Diabetes		Diabetes		
	Adults		Adu	Adults		Adults		Pediatrics	
	28 we	eks	28 we	eks	16 we	eks	26 weeks		
	In comb	ination	In comb	In combination		In combination		In combination	
	wit	:h	with		with insulin		with		
	regular	insulin	regular insulin		lispro		regular insulin		
	Insulin	NPH	Insulin	NPH	Insulin	NPH	Insulin	NPH	
	Glargine	N =	Glargine	N =	Glargine	N =	Glargine	N =	
	N = 292 293		N = 264	270	N = 310	309	N = 174	175	
Percent of patients	10.6	15.0	8.7	10.4	6.5	5.2	23.0	28.6	

Table 5: Severe Symptomatic Hypoglycemia in Patients with Type 1 Diabetes

 Table 6: Severe Symptomatic Hypoglycemia in Patients with Type 2 Diabetes

	Study E Type 2 Diabetes Adults 52 weeks In combination with oral agents		Study F Type 2 Diabetes Adults 28 weeks In combination with regular insulin		Study G Type 2 Diabetes Adults 5 years In combination wit regular insulin	
	Insulin Glargine N = 289	NPH N = 281	Insulin Glargine N = 259	NPH N = 259	Insulin Glargine N = 513	NPH N = 504
Percent of patients	1.7	1.1	0.4	2.3	7.8	11.9

Table 7 displays the proportion of patients who experienced severe symptomatic hypoglycemia in the insulin glargine and Standard Care groups in the ORIGIN study [see *Clinical Studies (14)*].

Table 7: Severe Symptomatic Hypoglycemia in the ORIGIN Study

		l Study follow-up: 6.2 years		
Percent of patients	Insulin Glargine N = 6231	Standard Care N = 6273		
Percent of patients	5.6	1.8		

Peripheral Edema

Some patients taking insulin glargine products have experienced sodium retention and edema, particularly if previously poor metabolic control was improved by intensified insulin therapy.

<u>Lipodystrophy</u>

Administration of insulin subcutaneously, including insulin glargine products, has resulted in lipoatrophy (depression in the skin) or lipohypertrophy (enlargement or thickening of tissue) in some patients [see Dosage and Administration (2.2)].

Insulin Initiation and Intensification of Glucose Control

Intensification or rapid improvement in glucose control has been associated with a transitory, reversible ophthalmologic refraction disorder, worsening of diabetic retinopathy, and acute painful peripheral neuropathy. However, long-term glycemic control decreases the risk of diabetic retinopathy and neuropathy.

<u>Weight Gain</u>

Weight gain has occurred with insulin including insulin glargine products and has been attributed to the anabolic effects of insulin and the decrease in glucosuria.

Hypersensitivity Reactions

Local Reactions

Patients taking insulin glargine experienced injection site reactions, including redness, pain, itching, urticaria, edema, and inflammation. In clinical studies in adult patients, there was a higher incidence of injection site pain in insulin glargine-treated patients (2.7%) compared to NPH insulin-treated patients (0.7%). The reports of pain at the injection site did not result in discontinuation of therapy.

Systemic Reactions

Severe, life-threatening, generalized allergy, including anaphylaxis, generalized skin reactions, angioedema, bronchospasm, hypotension, and shock have occurred with insulin, including insulin glargine products and may be life threatening.

6.2 Immunogenicity

As with all therapeutic proteins, there is potential for immunogenicity. The detection of antibody formation is highly dependent on the sensitivity and specificity of the assay. Additionally, the observed incidence of antibody (including neutralizing antibody) positivity in an assay may be influenced by several factors, including assay methodology, sample handling, timing of sample collection, concomitant medications, and underlying disease. For these reasons, comparison of the incidence of antibodies in the studies described below with the incidence of antibodies in other studies or to other insulin glargine products may be misleading.

All insulin products can elicit the formation of insulin antibodies. The presence of such insulin antibodies may increase or decrease the efficacy of insulin and may require adjustment of the insulin dose. In clinical studies of insulin glargine, increases in titers of antibodies to insulin were observed in NPH insulin and insulin glargine treatment groups with similar incidences.

6.3 Postmarketing Experience

The following adverse reactions have been identified during postapproval use of insulin glargine products. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Medication errors have been reported in which rapid-acting insulins and other insulins, have been accidentally administered instead of insulin glargine products.

Localized cutaneous amyloidosis at the injection site has occurred. Hyperglycemia has been reported with repeated insulin injections into areas of localized cutaneous amyloidosis; hypoglycemia has been reported with a sudden change to an unaffected injection site.

7 DRUG INTERACTIONS

Table 8 includes clinically significant drug interactions with Insulin Glargine-yfgn.

Table 8: Clinically Significant Drug Interactions with Insulin Glargine-yfgn

Drugs that May Increase the Risk of Hypoglycemia

Drugs:	Antidiabetic agents, ACE inhibitors, angiotensin II receptor blocking agents, disopyramide, fibrates, fluoxetine, monoamine oxidase inhibitors, pentoxifylline, pramlintide, salicylates, somatostatin analogs (e.g., octreotide), sulfonamide antibiotics, GLP-1 receptor agonists, DPP-4 inhibitors, and SGLT-2 inhibitors.
Intervention:	Dosage reductions and increased frequency of glucose monitoring may be required when Insulin Glargine-yfgn is coadministered with these drugs.
Drugs that May De Glargine-yfgn	ecrease the Blood Glucose Lowering Effect of Insulin
Drugs:	Atypical antipsychotics (e.g., olanzapine and clozapine), corticosteroids, danazol, diuretics, estrogens, glucagon, isoniazid, niacin, oral contraceptives, phenothiazines, progestogens (e.g., in oral contraceptives), protease inhibitors, somatropin, sympathomimetic agents (e.g., albuterol, epinephrine, terbutaline), and thyroid hormones.
Intervention:	Dosage increases and increased frequency of glucose monitoring may be required when Insulin Glargine-yfgn is coadministered with these drugs.
Drugs that May In Insulin Glargine-yfg	crease or Decrease the Blood Glucose Lowering Effect of gn
Drugs:	Alcohol, beta-blockers, clonidine, and lithium salts. Pentamidine may cause hypoglycemia, which may sometimes be followed by hyperglycemia.
Intervention:	Dosage adjustment and increased frequency of glucose monitoring may be required when Insulin Glargine-yfgn is coadministered with these drugs.
F	unt Signs and Symptoms of Hypoglycemia
Drugs:	Beta-blockers, clonidine, guanethidine, and reserpine.
Intervention:	Increased frequency of glucose monitoring may be required when Insulin Glargine-yfgn is coadministered with these drugs.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

<u>Risk Summary</u>

Published studies with use of insulin glargine products during pregnancy have not reported a clear association with insulin glargine products and adverse developmental outcomes (see Data). There are risks to the mother and fetus associated with poorly controlled diabetes in pregnancy (see Clinical Considerations).

Rats and rabbits were exposed to insulin glargine in animal reproduction studies during organogenesis, respectively 50 times and 10 times the human subcutaneous dosage of 0.2 units/kg/day. Overall, the effects of insulin glargine did not generally differ from those observed with regular human insulin (see Data).

In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively. The estimated background risk of major birth defects is 6% to 10% in women with pregestational diabetes with a peri-conceptional HbA1c >7 and has been reported to be as high as 20% to 25% in women with a peri-conceptional HbA1c >10. The estimated background risk of miscarriage for the indicated population is unknown.

Clinical Considerations

Disease-Associated Maternal and/or Embryo-fetal Risk

Hypoglycemia and hyperglycemia occur more frequently during pregnancy in patients with pre-gestational diabetes. Poorly controlled diabetes in pregnancy increases the maternal risk for diabetic ketoacidosis, preeclampsia, spontaneous abortions, preterm delivery, and delivery complications. Poorly controlled diabetes increases the fetal risk for major birth defects, stillbirth, and macrosomia-related morbidity.

<u>Data</u>

Human Data

Published data do not report a clear association with insulin glargine products and major birth defects, miscarriage, or adverse maternal or fetal outcomes when insulin glargine is used during pregnancy. However, these studies cannot definitely establish the absence of any risk because of methodological limitations including small sample size and some lacking comparator groups.

Animal Data

Subcutaneous reproduction and teratology studies have been performed with insulin glargine and regular human insulin in rats and Himalayan rabbits. Insulin glargine was given to female rats before mating, during mating, and throughout pregnancy at doses up to 0.36 mg/kg/day, which is approximately 50 times the recommended human subcutaneous starting dosage of 0.2 units/kg/day (0.007 mg/kg/day), on a mg/kg basis. In rabbits, doses of 0.072 mg/kg/day, which is approximately 10 times the recommended human subcutaneous starting dosage of 0.2 units/kg/day of 0.2 units/kg/day on a mg/kg basis, were administered during organogenesis. The effects of insulin glargine did not generally differ from those observed with regular human insulin in rats or rabbits. However, in rabbits, five fetuses from two litters of the high-dose group exhibited dilation of the cerebral ventricles. Fertility and early embryonic development appeared normal.

8.2 Lactation

<u>Risk Summary</u>

There are either no or only limited data on the presence of insulin glargine products in human milk, the effects on breastfed infant, or the effects on milk production. Endogenous insulin is present in human milk. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for Insulin Glargine-yfgn, and any potential adverse effects on the breastfed child from Insulin Glargine-yfgn or from the underlying maternal condition.

8.4 Pediatric Use

The safety and effectiveness of insulin glargine products to improve glycemic control in pediatric patients with diabetes mellitus have been established. Use of insulin glargine for this indication is supported by evidence from an adequate and well-controlled study (Study D) in 174 insulin glargine-treated pediatric patients aged 6 to 15 years with type 1 diabetes mellitus, and from adequate and well-controlled studies of insulin glargine in adults with diabetes mellitus [see Clinical Pharmacology (12.3), Clinical Studies (14.2)].

In the pediatric clinical study, pediatric patients with type 1 diabetes had a higher incidence of severe symptomatic hypoglycemia compared to the adults in studies with type 1 diabetes [see Adverse Reactions (6.1)].

8.5 Geriatric Use

Of the total number of subjects in controlled clinical studies of patients with type 1 and type 2 diabetes who were treated with insulin glargine, 15% (n = 316) were \geq 65 years of age and 2% (n = 42) were \geq 75 years of age. No overall differences in safety or effectiveness of insulin glargine have been observed between patients 65 years of age and older and younger adult patients.

Nevertheless, caution should be exercised when Insulin Glargine-yfgn is administered to geriatric patients. In geriatric patients with diabetes, the initial dosing, dosage increments, and maintenance dosage should be conservative to avoid hypoglycemic reactions. Hypoglycemia may be difficult to recognize in geriatric patients.

8.6 Renal Impairment

The effect of kidney impairment on the pharmacokinetics of insulin glargine products has not been studied. Some studies with human insulin have shown increased circulating levels of insulin in patients with kidney failure. Frequent glucose monitoring and dosage adjustment may be necessary for Insulin Glargine-yfgn in patients with kidney impairment [see Warnings and Precautions (5.3)].

8.7 Hepatic Impairment

The effect of hepatic impairment on the pharmacokinetics of insulin glargine products has not been studied. Frequent glucose monitoring and dosage adjustment may be necessary for Insulin Glargine-yfgn in patients with hepatic impairment [see Warnings and Precautions (5.3)].

10 OVERDOSAGE

Excess insulin administration may cause hypoglycemia and hypokalemia [see Warnings and Precautions (5.3, 5.6)].

Mild episodes of hypoglycemia can usually be treated with oral carbohydrates. Lowering the insulin dosage, and adjustments in meal patterns or exercise may be needed.

More severe episodes of hypoglycemia with coma, seizure, or neurologic impairment may be treated with glucagon for emergency use or concentrated intravenous glucose. After apparent clinical recovery from hypoglycemia, continued observation and additional carbohydrate intake may be necessary to avoid recurrence of hypoglycemia.

Hypokalemia must be corrected appropriately.

11 DESCRIPTION

Insulin glargine-yfgn is a long-acting human insulin analog produced by recombinant DNA technology utilizing a recombinant yeast strain, Pichia pastoris. Insulin glargine-yfgn differs from human insulin in that the amino acid asparagine at position A21 is replaced by glycine and two arginines are added to the C-terminus of the B-chain. Insulin glargineyfgn has a molecular weight of 6063 Da.

Insulin Glargine-yfgn is a sterile, clear and colorless solution for subcutaneous use in a 10 mL multiple-dose vial and a 3 mL single-patient-use prefilled pen.

<u>Vial</u>

Each mL contains 100 units of insulin glargine-yfgn and the inactive ingredients: glycerol (20 mg), metacresol (2.7 mg), polysorbate-20 (20 mcg), zinc chloride (content adjusted to provide 30 mcg zinc ion), and Water for Injection, USP.

Prefilled pen

Each mL contains 100 units of insulin glargine-yfgn and the inactive ingredients: glycerol (20 mg), metacresol (2.7 mg), zinc chloride (content adjusted to provide 30 mcg zinc ion), and Water for Injection, USP.

The pH is adjusted by addition of aqueous solutions of hydrochloric acid and/or sodium hydroxide. Insulin Glargine-yfgn has a pH of approximately 4.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

The primary activity of insulin, including insulin glargine products, is regulation of glucose metabolism. Insulin and its analogs lower blood glucose by stimulating peripheral glucose uptake, especially by skeletal muscle and fat, and by inhibiting hepatic glucose production. Insulin inhibits lipolysis and proteolysis, and enhances protein synthesis.

12.2 Pharmacodynamics

In clinical studies, the glucose-lowering effect on a molar basis (i.e., when given at the same doses) of intravenous insulin glargine is approximately the same as that for human insulin. Figure 1 shows results from a study in patients with type 1 diabetes conducted for a maximum of 24 hours after subcutaneous injection of insulin glargine or NPH insulin. The median time between subcutaneous injection and the end of pharmacological effect was 14.5 hours (range: 9.5 to 19.3 hours) for NPH insulin, and 24 hours (range: 10.8 to > 24 hours) (24 hours was the end of the observation period) for insulin glargine.

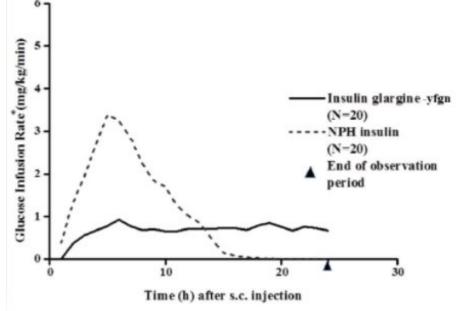


Figure 1: Glucose-Lowering Effect Over 24 Hours in Patients with Type 1 Diabetes

* Determined as amount of glucose infused to maintain constant plasma glucose levels

The duration of action after abdominal, deltoid, or thigh subcutaneous administration of insulin glargine was similar. The time course of action of insulins, including insulin glargine products, may vary between patients and within the same patient.

12.3 Pharmacokinetics

Absorption

After subcutaneous injection of insulin glargine in healthy subjects and in patients with diabetes, the insulin serum concentrations indicated a slower, more prolonged absorption and a relatively constant concentration/time profile over 24 hours with no pronounced peak in comparison to NPH insulin.

<u>Elimination</u>

Metabolism

A metabolism study in humans indicates that insulin glargine is partly metabolized at the carboxyl terminus of the B chain in the subcutaneous depot to form two active metabolites with in vitro activity similar to that of human insulin, M1 (21^A-Gly-insulin) and M2 (21^A-Gly-des- 30^B-Thr-insulin). Unchanged drug and these degradation products are also present in the circulation.

Specific Populations

Age, Race, Body Mass Index, and Gender

Effect of age, race, body mass index (BMI), and gender on the pharmacokinetics of insulin glargine products has not been evaluated. However, in controlled clinical studies in adults (n = 3,890) and a controlled clinical study in pediatric patients (n = 349), subgroup analyses based on age, race, BMI, and gender did not show differences in safety and efficacy between insulin glargine and NPH insulin [see Clinical Studies (14)].

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

In mice and rats, standard two-year carcinogenicity studies with insulin glargine were performed at doses up to 0.455 mg/kg, which was for the rat approximately 65 times the recommended human subcutaneous starting dosage of 0.2 units/kg/day (0.007 mg/kg/day) on a mg/kg basis. Histiocytomas were found at injection sites in male rats and mice in acid vehicle containing groups and are considered a response to chronic tissue irritation and inflammation in rodents. These tumors were not found in female animals, in saline control, or insulin comparator groups using a different vehicle.

Insulin glargine was not mutagenic in tests for detection of gene mutations in bacteria and mammalian cells (Ames and HGPRT-test) and in tests for detection of chromosomal aberrations (cytogenetics in vitro in V79 cells and in vivo in Chinese hamsters).

In a combined fertility and prenatal and postnatal study in male and female rats at subcutaneous doses up to 0.36 mg/kg/day, which was approximately 50 times the recommended human subcutaneous starting dose of 0.2 units/kg/day (0.007 mg/kg/day) maternal toxicity due to dose-dependent hypoglycemia, including some deaths, was observed. Consequently, a reduction of the rearing rate occurred in the high-dose group only. Similar effects were observed with NPH insulin.

14 CLINICAL STUDIES

14.1 Overview of Clinical Studies

The safety and effectiveness of insulin glargine given once-daily at bedtime was compared to that of once-daily and twice-daily NPH insulin in open-label, randomized, active-controlled, parallel studies of 2,327 adult patients and 349 pediatric patients with type 1 diabetes mellitus and 1,563 adult patients with type 2 diabetes mellitus (see Tables 9-11). In general, the reduction in glycated hemoglobin (HbA1c) with insulin glargine was similar to that with NPH insulin.

14.2 Clinical Studies in Adult and Pediatric Patients with Type 1 Diabetes

Adult Patients with Type 1 Diabetes

In two clinical studies (Studies A and B), adult patients with type 1 diabetes (Study A, n = 585, Study B n = 534) were randomized to 28 weeks of basal-bolus treatment with insulin glargine or NPH insulin. Regular human insulin was administered before each meal. Insulin glargine was administered at bedtime. NPH insulin was administered either as once daily at bedtime or in the morning and at bedtime when used twice daily.

In Study A, the average age was 39 years. The majority of patients were White (99%) and 56% were male. The mean BMI was approximately 24.9 kg/m². The mean duration of diabetes was 16 years.

In Study B, the average age was 39 years. The majority of patients were White (95%) and 51% were male. The mean BMI was approximately 25.8 kg/m². The mean duration of diabetes was 17 years.

In another clinical study (Study C), patients with type 1 diabetes (n = 619) were

randomized to 16 weeks of basal-bolus treatment with insulin glargine or NPH insulin. Insulin lispro was used before each meal. Insulin glargine was administered once daily at bedtime and NPH insulin was administered once or twice daily. The average age was 39 years. The majority of patients were White (97%) and 51% were male. The mean BMI was approximately 25.6 kg/m². The mean duration of diabetes was 19 years.

In these 3 adult studies, insulin glargine and NPH insulin had similar effects on HbA1c (Table 9) with a similar overall rate of severe symptomatic hypoglycemia [see Adverse Reactions (6.1)].

28 weeks		28 weeks		Study C 16 weeks	
Insulin Glargine	NPH	Insulin Glargine	NPH	Insulin Glargine	NPH
292	293	264	270	310	309
8.0	8.0	7.7	7.7	7.6	7.7
+0.2	+0.1	-0.2	-0.2	-0.1	-0.1
+0.1 (0.0; +0.2) +0.1 (-0.1; +0.2)		+0.2)	0.0 (-0.1; +0.1)		
21	23	29	29	28	28
-2	0	-4	+2	-5	+1
48	52	50	51	50	50
-1	0	0	+4	-3	0
)					
167	166	166	175	175	173
-21	-16	-20	-17	-29	-12
73.2	74.8	75.5	75.0	74.8	75.6
0.1	-0.0	0.7	1.0	0.1	0.5
	28 we Regular i Insulin Glargine 292 8.0 +0.2 +0.1 (0.0; 21 -2 48 -1 167 -21 167 -21 167 -21	Regular insulin NPH Insulin NPH Glargine 292 292 293 292 293 8.0 8.0 +0.2 +0.1 +0.1 (0.0; +0.2) +0.1 21 23 -2 0 48 52 -1 0 167 166 -21 -16 73.2 74.8	28 weks Regular isulin 28 weg Regular is Insulin Glargine NPH Insulin Glargine 292 293 264 292 293 264 8.0 8.0 7.7 $+0.2$ $+0.1$ -0.2 $+0.1$ 0.2 0 $+0.1$ 0.2 0 $+0.1$ 0.2 0 21 23 29 -2 0 -4 48 52 50 -1 0 0 167 166 166 -21 -16 -20 73.2 74.8 75.5	28 we-ks Regular i-sulin28 we-ks Regular i-sulinInsulin GlargineNPHInsulin Glargine2922932642702922932642708.08.07.77.7 $+0.2$ $+0.1$ -0.2 -0.2 $+0.1$ 0.2 -0.2 -0.2 $+0.1$ 0.2 -0.2 -0.2 $+0.1$ 0.2 -0.2 -0.2 $+0.1$ 0.2 -0.2 -0.2 21 2329 29 -2 0 -4 $+2$ 48 525051 -1 0 0 $+4$ 167 166166175 -21 -16 -20 -17 73.2 74.8 75.5 75.0	$\begin{array}{c c c c c c } \hline 28 & weks \\ \hline Regular is ulin \\ \hline Insulin \\ \hline Insulin \\ \hline Glargine \\ 292 & 293 & 264 & 270 & 310 \\ \hline 292 & 293 & 264 & 270 & 310 \\ \hline \\ 292 & 293 & 264 & 270 & 310 \\ \hline \\ \hline \\ 8.0 & 8.0 & 7.7 & 7.7 & 7.6 \\ -0.2 & -0.1 & -0.2 & -0.2 & -0.1 \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & +0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & 0.1 & (-0.1; +0.2) & 0.0 & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & (-0.1; +0.2) & (-0.1; & 0.2) & (-0.1; \\ \hline \\ +0.1 & (0.0; +0.2) & (-0.1; +0.2) & (-0.1; +0.2) & (-0.1; & 0.$

Pediatric Patients with Type 1 Diabetes

In a randomized, controlled clinical study (Study D), pediatric patients (age range 6 to 15 years) with type 1 diabetes (n = 349) were treated for 28 weeks with a basal-bolus insulin regimen where regular human insulin was used before each meal. Insulin glargine was administered once daily at bedtime and NPH insulin was administered once or twice daily. The average age was 11.7 years. The majority of patients were White (97%) and 52% were male. The mean BMI was approximately 18.9 kg/m². The mean duration of diabetes was 5 years. Similar effects on HbA1c (Table 10) were observed in both treatment groups [see Adverse Reactions (6.1)].

Treatment duration Treatment in combination with	Study D 28 weeks Regular insulin		
	Insulin Glargine + Regular insulin	NPH+ Regular insulin	
Number of subjects treated	174	175	
HbA1c			
Baseline mean	8.5	8.8	
Change from baseline (adjusted mean)	+0.3	+0.3	
Difference from NPH (adjusted mean)	C	0.0	
(95% CI)	(-0.2)	+0.3)	
Basal insulin dose			
Baseline mean	19	19	
Mean change from baseline	-1	+2	
Total insulin dose			
Baseline mean	43	43	
Mean change from baseline	+2	+3	
Fasting blood glucose (mg/dL)			
Baseline mean	194	191	
Mean change from baseline	-23	-12	
Body weight (kg)			
Baseline mean	45.5	44.6	
Mean change from baseline	2.2	2.5	

Table 10: Type 1 Diabetes Mellitus - Pediatric Patients

14.3 Clinical Studies in Adults with Type 2 Diabetes

In a randomized, controlled clinical study (Study E) in 570 adults with type 2 diabetes, insulin glargine was evaluated for 52 weeks in combination with oral anti-diabetic medications (a sulfonylurea, metformin, acarbose, or combinations of these drugs). The average age was 60 years old. The majority of patients were White (93%) and 54% were male. The mean BMI was approximately 29.1 kg/m². The mean duration of diabetes was 10 years. Insulin glargine administered once daily at bedtime was as effective as NPH insulin administered once daily at bedtime in reducing HbA1c and fasting glucose (Table 11). The rate of severe symptomatic hypoglycemia was similar in insulin glargine and NPH insulin treated patients [see Adverse Reactions (6.1)].

In a randomized, controlled clinical study (Study F), in adult patients with type 2 diabetes not using oral antidiabetic medications (n = 518), a basal-bolus regimen of insulin glargine once daily at bedtime or NPH insulin administered once or twice daily was evaluated for 28 weeks. Regular human insulin was used before meals, as needed. The average age was 59 years. The majority of patients were White (81%) and 60% were male. The mean BMI was approximately 30.5 kg/m². The mean duration of diabetes was 14 years. Insulin glargine had similar effectiveness as either once- or twice-daily NPH insulin in reducing HbA1c and fasting glucose (Table 11) with a similar incidence of hypoglycemia [see Adverse Reactions (6.1)].

In a randomized, controlled clinical study (Study G), adult patients with type 2 diabetes were randomized to 5 years of treatment with once-daily insulin glargine or twice-daily NPH insulin. For patients not previously treated with insulin, the starting dosage of insulin glargine or NPH insulin was 10 units daily. Patients who were already treated with NPH insulin either continued on the same total daily NPH insulin dose or started insulin glargine at a dosage that was 80% of the total previous NPH insulin dosage. The primary endpoint for this study was a comparison of the progression of diabetic retinopathy by 3 or more steps on the Early Treatment Diabetic Retinopathy Study (ETDRS) scale. HbA1c change from baseline was a secondary endpoint. Similar glycemic control in the 2 treatment groups was desired in order to not confound the interpretation of the retinal data. Patients or study personnel used an algorithm to adjust the insulin glargine and NPH insulin dosages to a target fasting plasma glucose \leq 100 mg/dL. After the insulin glargine or NPH insulin dosage was adjusted, other anti-diabetic agents, including premeal insulin were to be adjusted or added. The average age was 55 years. The majority of patients were White (85%) and 54% were male. The mean BMI was approximately 34.3 kg/m². The mean duration of diabetes was 11 years. The insulin glargine group had a smaller mean reduction from baseline in HbA1c compared to the NPH insulin group, which may be explained by the lower daily basal insulin doses in the insulin glargine group (Table 11). The incidences of severe symptomatic hypoglycemia were similar between groups [see Adverse Reactions (6.1)].

Treatment duration Treatment in combination with	atment in combination 52 weeks 28 weeks		eks	ks 5 years		
	Insulin Glargine	NPH	Insulin Glargine	NPH	Insulin Glargine	NPH
Number of subjects treated	289	281	259	259	513	504
HbA1c						
Baseline mean	9.0	8.9	8.6	8.5	8.4	8.3
Adjusted mean change from baseline	-0.5	-0.4	-0.4	-0.6	-0.6	-0.8
Insulin Glargine – NPH	-0.1		+0.2		+0.2	
95% CI for Treatment difference	(-0.3; +0).1)	(0.0; +0.4)		(+0.1; +0.4)	
Basal insulin dose [*]	I				1	
Baseline mean	14	15	44.1	45.5	39	44
Mean change from baseline	+12	+9	-1	+7	+23	+30
Total insulin dose [*]						
Baseline mean	14	15	64	67	48	53
Mean change from baseline	+12	+9	+10	+13	+41	+40
Fasting blood glucose (mg/	dL)					
Baseline mean	179	180	164	166	190	180
Adj. mean change from baseline	-49	-46	-24	-22	-45	-44

Table 11: Type 2 Diabetes Mellitus - Adults

Body weight (kg)

Doug weight (kg)						
Baseline mean	83.5	82.1	89.6	90.7	100	99
Adj. mean change from	2.0	1.9	0.4	1.4	3.7	4.8
baseline						

* In Study G, the baseline dose of basal or total insulin was the first available on-treatment dose prescribed during the study (on visit month 1.5).

14.4 Additional Clinical Studies in Adults with Diabetes Type 1 and Type 2

Different Timing of Insulin Glargine Administration in Diabetes Type 1 and Diabetes Type 2

The safety and efficacy of once daily insulin glargine administered either at prebreakfast, pre-dinner, or at bedtime were evaluated in a randomized, controlled clinical study in adult patients with type 1 diabetes (Study H, n = 378). Patients were also treated with insulin lispro at mealtime. The average age was 41 years. All patients were White (100%) and 54% were male. The mean BMI was approximately 25.3 kg/m². The mean duration of diabetes was 17 years.

Insulin glargine administered at pre-breakfast or at pre-dinner (both once daily) resulted in similar reductions in HbA1c compared to that with bedtime administration (see Table 12). In these patients, data are available from 8-point home glucose monitoring. The maximum mean blood glucose was observed just prior to insulin glargine injection regardless of time of administration. In this study, 5% of patients in the insulin glarginebreakfast group discontinued treatment because of lack of efficacy. No patients in the other two groups (pre-dinner, bedtime) discontinued for this reason.

The safety and efficacy of once daily insulin glargine administered pre-breakfast or at bedtime were also evaluated in a randomized, active-controlled clinical study (Study I, n = 697) in patients with type 2 diabetes not adequately controlled on oral anti-diabetic therapy. All patients in this study also received glimepiride 3 mg daily. The average age was 61 years. The majority of patients were White (97%) and 54% were male. The mean BMI was approximately 28.7 kg/m². The mean duration of diabetes was 10 years. Insulin glargine given before breakfast was at least as effective in lowering HbA1c as insulin glargine given at bedtime or NPH insulin given at bedtime (see Table 12).

Treatment duration Treatment in	Study H 24 weeks Insulin lispro			G		
combination with	Insulin Glargine Before Breakfast	Insulin Glargine Before Dinner	Insulin Glargine Bedtime	Insulin Glargine Before Breakfast	Insulin Glargine Bedtime	NPH Bedtime
Number of subjects treated [*]	112	124	128	234	226	227
HbA1c	·					

Table 12: Study of Different Times of Once Daily Insulin Glargine Dosing in Type 1 (Study H) and Type 2 (Study I) Diabetes Mellitus

Baseline mean	7.6	7.5	7.6	9.1	9.1	9.1
Mean change from baseline	-0.2	-0.1	0.0	-1.3	-1.0	-0.8
Basal insulin dose	(Units)	-			L	
Baseline mean	22	23	21	19	20	19
Mean change from baseline	5	2	2	11	18	18
Total insulin dose (Units)	-	-	-	NA [†]	NA [†]	NA [†]
Baseline mean	52	52	49	-	-	-
Mean change from baseline	2	3	2	-	-	-
Body weight (kg)						
Baseline mean	77.1	77.8	74.5	80.7	82	81
Mean change from baseline	0.7	0.1	0.4	3.9	3.7	2.9

* Intent-to-treat

+ Not applicable

Progression of Retinopathy Evaluation in Adults with Diabetes Type 1 and Diabetes Type 2

Insulin glargine was compared to NPH insulin in a 5-year randomized clinical study that evaluated the progression of retinopathy as assessed with fundus photography using a grading protocol derived from the Early Treatment Diabetic Retinopathy Scale (ETDRS). Patients had type 2 diabetes (mean age 55 years) with no (86%) or mild (14%) retinopathy at baseline. Mean baseline HbA1c was 8.4%. The primary outcome was progression by 3 or more steps on the ETDRS scale at study endpoint. Patients with pre-specified post-baseline eye procedures (pan-retinal photocoagulation for proliferative or severe nonproliferative diabetic retinopathy, local photocoagulation for new vessels, and vitrectomy for diabetic retinopathy) were also considered as 3-step progressors regardless of actual change in ETDRS score from baseline. Retinopathy graders were blinded to treatment group assignment.

The results for the primary endpoint are shown in Table 13 for both the per-protocol and intent-to-treat populations, and indicate similarity of insulin glargine to NPH in the progression of diabetic retinopathy as assessed by this outcome. In this study, the numbers of retinal adverse events reported for insulin glargine and NPH insulin treatment groups were similar for adult patients with type 1 and type 2 diabetes.

Table 13: Number (%) of Patients with 3 or More Step Progression on ETDRSScale at Endpoint

	Insulin Glargine (%)	NPH (%)	Difference [*] , [†] (SE)	95% CI for difference
Per-protocol	53/374 (14.2%)	57/363 (15.7%)	-2.0% (2.6%)	-7.0% to +3.1%
Intent-to-Treat	63/502 (12.5%)	71/487 (14.6%)	-2.1% (2.1%)	-6.3% to +2.1%

* Difference = Insulin Glargine - NPH

† Using a generalized linear model (SAS GENMOD) with treatment and baseline HbA1c strata (cutoff

9.0%) as the classified independent variables, and with binomial distribution and identity link function

The ORIGIN Study of Major Cardiovascular Outcomes in Patients with Established CV Disease or CV Risk Factors

The Outcome Reduction with Initial Glargine Intervention study (i.e., ORIGIN) was an open-label, randomized, 2-by-2, factorial design study. One intervention in ORIGIN compared the effect of insulin glargine to standard care on major adverse cardiovascular (CV) outcomes in 12,537 adults \geq 50 years of age with:

- Abnormal glucose levels (i.e., impaired fasting glucose [IFG] and/or impaired glucose tolerance [IGT]) or early type 2 diabetes mellitus and
- Established CV disease or CV risk factors at baseline.

The objective of the study was to demonstrate that insulin glargine use could significantly lower the risk of major CV outcomes compared to standard care. There were two coprimary composite CV endpoints:

- The first coprimary endpoint was the time to first occurrence of a major adverse CV event defined as the composite of CV death, nonfatal myocardial infarction, and nonfatal stroke.
- The second coprimary endpoint was the time to the first occurrence of CV death or nonfatal myocardial infarction or nonfatal stroke or revascularization procedure or hospitalization for heart failure.

Patients were randomized to either insulin glargine (N = 6,264) titrated to a goal fasting plasma glucose of \leq 95 mg/dL or to standard care (N = 6,273). Anthropometric and disease characteristics were balanced at baseline. The mean age was 64 years and 8% of patients were 75 years of age or older. The majority of patients were male (65%). Fifty nine percent were Caucasian, 25% were Latin, 10% were Asian and 3% were Black. The median baseline BMI was 29 kg/m². Approximately 12% of patients had abnormal glucose levels (IGT and/or IFG) at baseline and 88% had type 2 diabetes. For patients with type 2 diabetes, 59% were treated with a single oral antidiabetic drug, 23% had known diabetes but were on no antidiabetic drug and 6% were newly diagnosed during the screening procedure. The mean HbA1c (SD) at baseline was 6.5% (1.0). Fifty-nine percent of the patients had had a prior CV event and 39% had documented coronary artery disease or other CV risk factors.

Vital status was available for 99.9% and 99.8% of patients randomized to insulin glargine and standard care respectively at end of study. The median duration of follow-up was 6.2 years (range: 8 days to 7.9 years). The mean HbA1c (SD) at the end of the study was 6.5% (1.1) and 6.8% (1.2) in the insulin glargine and standard care group respectively. The median dose of insulin glargine at end of study was 0.45 U/kg. Eightyone percent of patients randomized to insulin glargine were using insulin glargine at end of the study. The mean change in body weight from baseline to the last treatment visit was 2.2 kg greater in the insulin glargine group than in the standard care group.

Overall, the incidence of major adverse CV outcomes was similar between groups (see Table 14). All-cause mortality was also similar between groups.

Table 14: Cardiovascular Outcomes in ORIGIN in Patients with Established CV

	Insulin Glargine	Standard Care	Insulin Glargine
	N = 6,264	N = 6,273	vs Standard Care
	n	n	
	(Events per 100 PY)	(Events per 100 PY)	Hazard Ratio (95% CI)
Coprimary endpoints			
CV death, nonfatal			
myocardial infarction, or	1041	1013	
nonfatal stroke	(2.9)	(2.9)	1.02 (0.94, 1.11)
CV death, nonfatal			
myocardial infarction,			
nonfatal stroke,			
hospitalization for heart			
failure or revascularization	1792	1727	
procedure	(5.5)	(5.3)	1.04 (0.97, 1.11)
Components of coprimary	endpoints		
CV death	580	576	1.00 (0.89, 1.13)
Myocardial Infarction (fatal	336	326	1.03 (0.88, 1.19)
or nonfatal)			
Stroke (fatal or nonfatal)	331	319	1.03 (0.89, 1.21)
Revascularizations	908	860	1.06 (0.96, 1.16)
Hospitalization for heart	310	343	0.90 (0.77, 1.05)
failure			

Disease or CV Risk Factors - Time to First Event Analyses

In the ORIGIN study, the overall incidence of cancer (all types combined) or death from cancer (Table 15) was similar between treatment groups.

Table 15: Cancer Outcomes in ORIGIN - Time to First Event Analyses

	Insulin Glargine N = 6,264	Standard Care N = 6,273	Insulin Glargine vs Standard Care
	n	n	
	(Events per 100 PY)	(Events per 100 PY)	Hazard Ratio (95% CI)
Cancer endpoint	:S		
Any cancer event	559	561	
(new or	(1.56)	(1.56)	
recurrent)			0.99 (0.88, 1.11)
New cancer	524	535	
events	(1.46)	(1.49)	0.96 (0.85, 1.09)
Death due to	189	201	
Cancer	(0.51)	(0.54)	0.94 (0.77, 1.15)

16 HOW SUPPLIED/STORAGE AND HANDLING

16.1 How Supplied

Insulin Glargine-yfgn injection is supplied as a clear and colorless solution containing 100 units/mL (U-100) available as follows:

Insulin Glargine- yfgn	NDC Number	Package Size
10 mL multiple-dose vial	49502-393-80	1 vial
3 mL single-patient- use prefilled pen	49502-394-71	1 pen
	49502-394-75	5 pens

Additional Information about Insulin Glargine-yfgn:

- The Insulin Glargine-yfgn prefilled pen dials in 1-unit increments.
- Needles are not included in the packs.

BD[®] Ultra-Fine needles are compatible with this pen.

16.2 Storage

Dispense in the original sealed carton with the enclosed Instructions for Use.

Store unused Insulin Glargine-yfgn in a refrigerator between 2° to 8°C (36° to 46°F). Do not freeze. Discard Insulin Glargine-yfgn if it has been frozen. Protect Insulin Glargine-yfgn from direct heat and light.

Storage conditions are summarized in the following table:

	Not in-use (unopened) Refrigerated (2° to 8°C [36° to 46°F])	Not in-use (unopened) Room Temperature (up to 30°C [86°F])	In-use (opened) (see temperature below)
10 mL multiple- dose vial	Until expiration date	28 days	28 days Refrigerated or room temperature
3 mL single-patient- use prefilled pen	Until expiration date	28 days	28 days Room temperature only (Do not refrigerate)

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Patient Information and Instructions for Use). There are separate Instructions for Use for the vial and prefilled pen.

<u>Never Share an Insulin Glargine-yfgn Prefilled Pen or Insulin Syringe Between Patients</u>

Advise patients that they must never share a Insulin Glargine-yfgn prefilled pen with another person, even if the needle is changed. Advise patients using Insulin Glargineyfgn vials not to re-use or share needles or insulin syringes with another person. Sharing carries a risk for transmission of blood-borne pathogens [see Warnings and Precautions (5.1)].

Hyperglycemia or Hypoglycemia

Inform patients that hypoglycemia is the most common adverse reaction with insulin. Inform patients of the symptoms of hypoglycemia (e.g., impaired ability to concentrate and react). This may present a risk in situations where these abilities are especially important, such as driving or operating other machinery. Advise patients who have frequent hypoglycemia or reduced or absent warning signs of hypoglycemia to use caution when driving or operating machinery [see Warnings and Precautions (5.3)].

Advise patients that changes in insulin regimen can predispose to hyperglycemia or hypoglycemia and that changes in insulin regimen should be made under close medical supervision [see Warnings and Precautions (5.2)].

Hypoglycemia Due to Medication Errors

Instruct patients to always check the insulin label before each injection to reduce the risk of a medication error [see Warnings and Precautions (5.4)].

Hypersensitivity Reactions

Advise patients that hypersensitivity reactions have occurred with insulin glargine products. Inform patients about the symptoms of hypersensitivity reactions [see Warnings and Precautions (5.5)].

BD is a registered trademark of Becton, Dickinson, and Company.

INGLIJKUB:RX4

Manufactured by: **Mylan Pharmaceuticals Inc.** Morgantown, West Virginia 26505 U.S.A.

U.S. License No. 2210

PATIENT INFORMATION

Insulin Glargine-yfgn (in´ su lin glar´ jeen) injection for subcutaneous use VIAL: 100 units/mL (U-100) This product is SEMGLEE (insulin glargine-yfgn).

Do not share your syringes with other people, even if the needle has been changed. You may give other people a serious infection, or get a serious infection from them.

What is Insulin Glargine-yfgn?

Insulin Glargine-yfgn is a long-acting man-made-insulin used to control high blood sugar in adults and children with diabetes mellitus. Insulin Glargine-yfgn is not for use to treat diabetic ketoacidosis.

Who should not use Insulin Glargine-yfgn? Do not use Insulin Glargine-yfgn if you:

- are having an episode of low blood sugar (hypoglycemia).
- have an allergy to insulin glargine products or any of the ingredients in Insulin Glargine-yfgn. See the end of this Patient Information leaflet for a complete list of ingredients in Insulin Glargine-yfgn.

What should I tell my healthcare provider before using Insulin Glargine-yfgn? Before using Insulin Glargine-yfgn, tell your healthcare provider about all your medical conditions including if you:

- have liver or kidney problems.
- take other medicines, especially ones called TZDs (thiazolidinediones).
- have heart failure or other heart problems. If you have heart failure, it may get worse while you take TZDs with Insulin Glargine-yfgn.
- are pregnant, planning to become pregnant, or are breastfeeding. It is not known if Insulin Glargine-yfgn may harm your unborn baby or breastfeeding baby.

Tell your healthcare provider about all the medicines you take including prescription and over-the-counter medicines, vitamins, and herbal supplements.

Before you start using Insulin Glargine-yfgn, talk to your healthcare provider about low blood sugar and how to manage it.

How should I use Insulin Glargine-yfgn?

- Read the detailed **Instructions for Use** that come with your Insulin Glargine-yfgn.
- Use Insulin Glargine-yfgn exactly as your healthcare provider tells you to. Your healthcare provider should tell you how much Insulin Glargine-yfgn to use and when to use it.
- Know the amount of Insulin Glargine-yfgn you use. **Do not** change the amount of Insulin Glargine-yfgn you use unless your healthcare provider tells you to.
- Check your insulin label each time you give your injection to make sure you are using the correct insulin.
- **Do not** re-use needles. Always use a new needle for each injection. Re-use of needles increases your risk of having blocked needles, which may cause you to get the wrong dose of Insulin Glargine-yfgn. Using a new needle for each injection lowers your risk of getting an infection.
- You may take Insulin Glargine-yfgn at any time during the day but you must take it at the same time every day.
- Only use Insulin Glargine-yfgn that is clear and colorless. If your Insulin Glargine-yfgn is cloudy or slightly colored, return it to your pharmacy for a replacement.
- Insulin Glargine-yfgn is injected under the skin (subcutaneously) of your upper legs (thighs), upper arms, or stomach area (abdomen).
- **Do not** use Insulin Glargine-yfgn in an insulin pump or inject Insulin Glargine-yfgn

into your vein (intravenously).

- Change (rotate) injection sites within the area you chose with each dose to reduce your risk of getting lipodystrophy (pits in skin or thickened skin) and localized cutaneous amyloidosis (skin with lumps) at the injection sites.
- o **Do not** use the exact same spot for each injection.
- o **Do not** inject where the skin has pits, is thickened, or has lumps.
- o **Do not** inject where the skin is tender, bruised, scaly or hard, or into scars or damaged skin.
- **Do not** mix Insulin Glargine-yfgn with any other type of insulin or liquid medicine.
- **Check your blood sugar levels.** Ask your healthcare provider what your blood sugar should be and when you should check your blood sugar levels.

Keep Insulin Glargine-yfgn and all medicines out of the reach of children. Your dose of Insulin Glargine-yfgn may need to change because of:

• a change in level of physical activity or exercise, weight gain or loss, increased stress, illness, change in diet, or because of the medicines you take.

What should I avoid while using Insulin Glargine-yfgn? While using Insulin Glargine-yfgn do not:

- drive or operate heavy machinery, until you know how Insulin Glargine-yfgn affects you.
- drink alcohol or use over-the-counter medicines that contain alcohol.

What are the possible side effects of Insulin Glargine-yfgn and other insulins?

Insulin Glargine-yfgn may cause serious side effects that can lead to death, including:

- **low blood sugar (hypoglycemia).** Signs and symptoms that may indicate low blood sugar include:
- o dizziness or light-headedness, sweating, confusion, headache, blurred vision, slurred speech, shakiness, fast heartbeat, anxiety, irritability or mood change, hunger.
- severe allergic reaction (whole body reaction). Get medical help right away if you have any of these signs or symptoms of a severe allergic reaction:
- o a rash over your whole body, trouble breathing, a fast heartbeat, or sweating.
- low potassium in your blood (hypokalemia).
- heart failure. Taking certain diabetes pills called TZDs (thiazolidinediones) with Insulin Glargine-yfgn may cause heart failure in some people. This can happen even if you have never had heart failure or heart problems before. If you already have heart failure it may get worse while you take TZDs with Insulin Glargine-yfgn. Your healthcare provider should monitor you closely while you are taking TZDs with Insulin Glargine-yfgn. Tell your healthcare provider if you have any new or worse symptoms of heart failure including:
- shortness of breath, swelling of your ankles or feet, sudden weight gain.
 Treatment with TZDs and Insulin Glargine-yfgn may need to be changed or stopped by your healthcare provider if you have new or worse heart failure.

Get emergency medical help if you have:

• trouble breathing; shortness of breath; fast heartbeat; swelling of your face, tongue, or throat; sweating; extreme drowsiness; dizziness; confusion.

The most common side effects of Insulin Glargine-yfgn include:

• low blood sugar (hypoglycemia); weight gain; allergic reactions, including reactions at your injection site; skin thickening or pits at the injection site (lipodystrophy).

These are not all the possible side effects of Insulin Glargine-yfgn. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

General information about the safe and effective use of Insulin Glargineyfgn.

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information leaflet. **Do not** use Insulin Glargine-yfgn for a condition for which it was not prescribed. **Do not** give Insulin Glargine-yfgn to other people, even if they have the same symptoms that you have. It may harm them.

This Patient Information leaflet summarizes the most important information about Insulin Glargine-yfgn. If you would like more information, talk with your healthcare provider. You can ask your pharmacist or healthcare provider for information about Insulin Glargine-yfgn that is written for healthcare professionals.

What are the ingredients in Insulin Glargine-yfgn?

- Active ingredient: insulin glargine-yfgn
- **10 mL vial inactive ingredients:** glycerol, metacresol, polysorbate-20, zinc chloride, and Water for Injection. Hydrochloric acid and sodium hydroxide may be added to adjust the pH.

For more information, call Mylan at 1-877-446-3679 (1-877-4-INFO-RX). **Manufactured for:** Mylan Specialty L.P., Morgantown, WV 26505 U.S.A. **Manufactured by:** Mylan Pharmaceuticals Inc., Morgantown, WV 26505 U.S.A., U.S. License No. 2210, Product of Malaysia

This Patient Information has been approved by the U.S. Food and Drug Administration.

Revised: 05/2023

MA:B:PIV:INGLIJKUB:RX3

INSTRUCTIONS FOR USE

Insulin Glargine-yfgn (in' su lin glar' jeen) injection, for subcutaneous use VIAL: (100 units/mL (U-100) This product is SEMGLEE (insulin glargine-yfgn).

These Instructions for Use contain information on how to inject Insulin Glargine-yfgn using the vial. Read these Instructions for Use before you start taking Insulin Glargineyfgn and each time you get a new Insulin Glargine-yfgn vial. There may be new information. This information does not take the place of talking to your healthcare provider about your medical condition or your treatment.

Do not share your Insulin Glargine-yfgn syringes with other people, even if the needle has been changed. You may give other people a serious infection, or get a serious infection from them.

Supplies Needed to Give Your Injection:

- an Insulin Glargine-yfgn 10 mL vial
- a U-100 insulin syringe and needle
- 2 alcohol swabs
- 1 sharps container for throwing away used needles and syringes. See **"Disposing** of used needles and syringes" at the end of these instructions.

Preparing to Inject Insulin Glargine-yfgn:

- Wash your hands with soap and water or clean your hands with alcohol.
- Check the Insulin Glargine-yfgn label to make sure you are taking the right type of insulin. This is especially important if you use more than 1 type of insulin.
- Check the Insulin Glargine-yfgn in the vial to make sure it is clear and colorless. Do not use Insulin Glargine-yfgn if it is colored or cloudy, or if you see particles in the solution.
- **Do not** use Insulin Glargine-yfgn after the expiration date stamped on the label or 28 days after you first use it.
- Always use a syringe that is marked for U-100 insulin. If you use a syringe other than a U-100 insulin syringe, you may get the wrong dose of Insulin Glargine-yfgn.
- Always use a new syringe and a new needle for each injection to help prevent infections and prevent blocked needles.

Step 1:

If you are using a new Insulin Glargine-yfgn vial, remove the protective cap. **Do not** remove the rubber stopper.



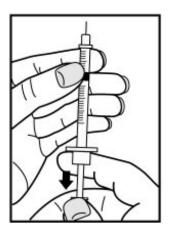
Step 2:

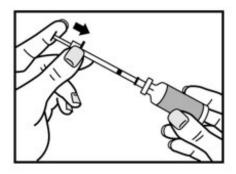
Wipe the top of the vial with an alcohol swab. You do not have to shake the vial of Insulin Glargine-yfgn before use.



Step 3:

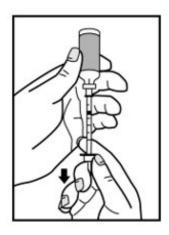
Draw air into the syringe equal to your Insulin Glargine-yfgn dose. Put the needle through the rubber top of the vial and push the plunger to inject the air into the vial.





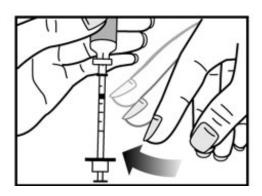
Step 4:

Leave the syringe in the vial and turn both upside down. Hold the syringe and vial firmly in one hand. Make sure the tip of the needle is in the Insulin Glargine-yfgn solution. With your free hand, pull the plunger to withdraw the correct dose into the syringe.



Step 5:

Before you take the needle out of the vial, check the syringe for air bubbles. If bubbles are in the syringe, hold the syringe straight up and tap the side of the syringe until the bubbles float to the top. Push the bubbles out with the plunger and draw insulin back in until you have the correct dose.



Step 6:

Remove the needle from the vial. Do not let the needle touch anything. You are now ready to inject.

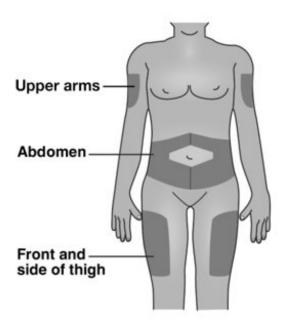
Injecting Insulin Glargine-yfgn:

- Inject your Insulin Glargine-yfgn (with a syringe) exactly as your healthcare provider has shown you.
- Insulin Glargine-yfgn is injected once daily at any time of the day but at the same time every day.

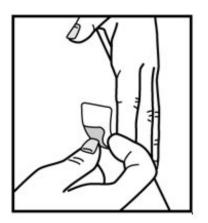
Step 7:

Choose your injection site:

- Insulin Glargine-yfgn is injected under the skin (subcutaneously) of your upper arms, thighs, or stomach area (abdomen).
- Change (rotate) your injection sites within the area you choose for each dose to reduce your risk of getting lipodystrophy (pits in the skin or thickened skin) and localized cutaneous amyloidosis (skin with lumps) at the injection sites.
- **Do not** inject where the skin has pits, is thickened, or has lumps.
- **Do not** inject where the skin is tender, bruised, scaly or hard, or into scars or damaged skin.

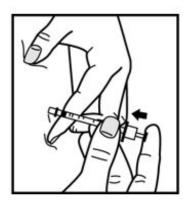


• Wipe the skin with an alcohol swab to clean the injection site. Let the injection site dry before you inject your dose.



Step 8:

- Pinch the skin.
- Insert the needle under the skin in the way your healthcare provider showed you.
- Release the skin.
- Slowly push in the plunger of the syringe all the way, making sure you have injected all the Insulin Glargine-yfgn.
- Leave the needle in the skin for about **10** seconds.



Step 9:

- Pull the needle straight out of your skin.
- Gently press the injection site for several seconds. **Do not** rub the area.
- **Do not** recap the used needle. Recapping the needle can lead to a needle-stick injury.

Disposing of Used Needles and Syringes

- Put your used needles and syringes in a FDA-cleared sharps disposal container right away after use. **Do not** throw away (dispose of) loose needles and syringes in your household trash.
- If you do not have a FDA-cleared sharps container, you may use a household container that is:
- o made of a heavy-duty plastic,
- o can be closed with a tight-fitting, puncture-resistant lid, without sharps being able to come out,
- o upright and stable during use,
- o leak resistant, and
- o properly labeled to warn of hazardous waste inside the container.
- When your sharps disposal container is almost full, you will need to follow your community guidelines for the right way to dispose of your sharps disposal container. There may be state or local laws about how you should throw away used needles and syringes. For more information about safe sharps disposal, and for specific information about sharps disposal in the state that you live in, go to the FDA's website at: http://www.fda.gov/safesharpsdisposal.
- **Do not** dispose of your used sharps disposal container in your household trash unless your community guidelines permit this. **Do not** recycle your used sharps disposal container.

Storing and Disposing Insulin Glargine-yfgn?

Unopened (not in-use) Insulin Glargine-yfgn vials

- Store unused Insulin Glargine-yfgn vials in the refrigerator from 36°F to 46°F (2°C to 8°C).
- **Do not** freeze Insulin Glargine-yfgn.
- Keep Insulin Glargine-yfgn away from direct heat and light.
- If a vial has been frozen or overheated, throw it away.

- Unopened vials can be used until the expiration date on the carton and vial label if they have been stored in the refrigerator (they can be stored past 28 days in the refrigerator).
- Unopened vials should be thrown away after 28 days if they are stored at room temperature.

After Insulin Glargine-yfgn vials have been opened (in-use)

- Store in-use (opened) Insulin Glargine-yfgn vials in a refrigerator from 36°F to 46°F (2°C to 8°C) or at room temperature below 86°F (30°C) for up to 28 days.
- **Do not** freeze Insulin Glargine-yfgn. If a vial has to be frozen, throw it away.
- Keep Insulin Glargine-yfgn out of direct heat and light.
- The Insulin Glargine-yfgn vial you are using should be thrown away after **28** days or if the expiration date has passed, even if it still has insulin left in it.

This Instructions for Use has been approved by the U.S. Food and Drug Administration.

Revised: 05/2023

Manufactured by: **Mylan Pharmaceuticals Inc.** Morgantown, WV 26505 U.S.A. U.S. License No. 2210

Manufactured for: Mylan Specialty L.P. Morgantown, WV 26505 U.S.A.

Product of Malaysia

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MA:B:IFUV:INGLIJKUB:RX4

PATIENT INFORMATION

Insulin Glargine-yfgn (in´ su lin glar´ jeen) injection, for subcutaneous use 100 units/mL (U-100) This product is SEMGLEE (insulin glargine-yfgn).

Do not share your Insulin Glargine-yfgn pen with other people, even if the needle has been changed. You may give other people a serious infection, or get a serious infection from them.

What is Insulin Glargine-yfgn?

Insulin Glargine-yfgn is a long-acting man-made insulin used to control high blood sugar in adults and children with diabetes mellitus. Insulin Glargine-yfgn is not for use to treat diabetic ketoacidosis.

Who should not use Insulin Glargine-yfgn? Do not use Insulin Glargine-yfgn if you:

- are having an episode of low blood sugar (hypoglycemia).
- have an allergy to insulin glargine products or any of the ingredients in Insulin

Glargine-yfgn. See the end of this Patient Information leaflet for a complete list of ingredients in Insulin Glargine-yfgn.

What should I tell my healthcare provider before using Insulin Glargine-yfgn? Before using Insulin Glargine-yfgn, tell your healthcare provider about all your medical conditions including if you:

- have liver or kidney problems.
- take other medicines, especially ones called TZDs (thiazolidinediones).
- have heart failure or other heart problems. If you have heart failure, it may get worse while you take TZDs with Insulin Glargine-yfgn.
- are pregnant, planning to become pregnant, or are breastfeeding. It is not known if Insulin Glargine-yfgn may harm your unborn baby or breastfeeding baby.

Tell your healthcare provider about all the medicines you take including prescription and over-the-counter medicines, vitamins, and herbal supplements.

Before you start using Insulin Glargine-yfgn, talk to your healthcare provider about low blood sugar and how to manage it.

How should I use Insulin Glargine-yfgn?

- Read the detailed **Instructions for Use** that come with your Insulin Glargine-yfgn single-patient-use prefilled pen.
- Use Insulin Glargine-yfgn exactly as your healthcare provider tells you to. Your healthcare provider should tell you how much Insulin Glargine-yfgn to use and when to use it.
- Know the amount of Insulin Glargine-yfgn you use. **Do not** change the amount of Insulin Glargine-yfgn you use unless your healthcare provider tells you to.
- Check your insulin label each time you give your injection to make sure you are using the correct insulin.
- The dose counter on your pen shows your dose of Insulin Glargine-yfgn. Do not make any dose changes unless your healthcare provider tells you to.
- **Do not** use a syringe to remove Insulin Glargine-yfgn from your disposable prefilled pen.
- Do not re-use needles. Always use a new needle for each injection. Re-use of needles increases your risk of having blocked needles, which may cause you to get the wrong dose of Insulin Glargine-yfgn. Using a new needle for each injection lowers your risk of getting an infection. If your needle is blocked, follow the instructions in Step 3 of the Instructions for Use.
- You may take Insulin Glargine-yfgn at any time during the day but you must take it at the same time every day.
- Insulin Glargine-yfgn is injected under the skin (subcutaneously) of your upper legs (thighs), upper arms, or stomach area (abdomen).
- Do not use Insulin Glargine-yfgn in an insulin pump or inject Insulin Glargine-yfgn into your vein (intravenously).
- Change (rotate) your injection sites within area you chose with each dose to reduce your risk of getting lipodystrophy (pits in skin or thickened skin) and localized cutaneous amyloidosis (skin with lumps) at the injection sites.
- o **Do not** use the exact same spot for each injection.
- o **Do not** inject where the skin has pits, is thickened, or has lumps.
- o **Do not** inject where skin is tender, bruised, scaly or hard, or into scars or

damaged skin.

- **Do not** mix Insulin Glargine-yfgn with any other type of insulin or liquid medicine.
- **Check your blood sugar levels.** Ask your healthcare provider what your blood sugar should be and when you should check your blood sugar levels.

Keep Insulin Glargine-yfgn and all medicines out of the reach of children. Your dose of Insulin Glargine-yfgn may need to change because of:

• a change in level of physical activity or exercise, weight gain or loss, increased stress, illness, change in diet, or because of the medicines you take.

What should I avoid while using Insulin Glargine-yfgn? While using Insulin Glargine-yfgn do not:

- drive or operate heavy machinery, until you know how Insulin Glargine-yfgn affects you.
- drink alcohol or use over-the-counter medicines that contain alcohol.

What are the possible side effects of Insulin Glargine-yfgn and other insulins?

Insulin Glargine-yfgn may cause serious side effects that can lead to death, including:

- **low blood sugar (hypoglycemia).** Signs and symptoms that may indicate low blood sugar include:
- o dizziness or light-headedness, sweating, confusion, headache, blurred vision, slurred speech, shakiness, fast heartbeat, anxiety, irritability or mood change, hunger.
- severe allergic reaction (whole body reaction). Get medical help right away if you have any of these signs or symptoms of a severe allergic reaction:
- o a rash over your whole body, trouble breathing, a fast heartbeat, or sweating.
- low potassium in your blood (hypokalemia).
- heart failure. Taking certain diabetes pills called TZDs (thiazolidinediones) with Insulin Glargine-yfgn may cause heart failure in some people. This can happen even if you have never had heart failure or heart problems before. If you already have heart failure it may get worse while you take TZDs with Insulin Glargine-yfgn. Your healthcare provider should monitor you closely while you are taking TZDs with Insulin Glargine-yfgn. Tell your healthcare provider if you have any new or worse symptoms of heart failure including:
- shortness of breath, swelling of your ankles or feet, sudden weight gain.
 Treatment with TZDs and Insulin Glargine-yfgn may need to be changed or stopped by your healthcare provider if you have new or worse heart failure.

Get emergency medical help if you have:

 trouble breathing; shortness of breath; fast heartbeat; swelling of your face, tongue, or throat; sweating; extreme drowsiness; dizziness; confusion.

The most common side effects of Insulin Glargine-yfgn include:

• low blood sugar (hypoglycemia); weight gain; allergic reactions, including reactions at your injection site; skin thickening or pits at the injection site (lipodystrophy).

These are not all the possible side effects of Insulin Glargine-yfgn. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

General information about the safe and effective use of Insulin Glargineyfgn.

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information leaflet. **Do not** use Insulin Glargine-yfgn for a condition for which it was not prescribed. **Do not** give Insulin Glargine-yfgn to other people, even if they have the same symptoms that you have. It may harm them.

This Patient Information leaflet summarizes the most important information about Insulin Glargine-yfgn. If you would like more information, talk with your healthcare provider. You can ask your healthcare provider or pharmacist for information about Insulin Glargine-yfgn that is written for healthcare professionals.

What are the ingredients in Insulin Glargine-yfgn?

- Active ingredient: insulin glargine-yfgn
- 3 mL prefilled pen inactive ingredients: glycerol, metacresol, zinc chloride and Water for Injection. Hydrochloric acid and sodium hydroxide may be added to adjust the pH.

For more information, call Mylan at 1-877-446-3679 (1-877-4-INFO-RX). Manufactured for: Mylan Specialty L.P., Morgantown, WV 26505 U.S.A. Manufactured by: Mylan Pharmaceuticals Inc, Morgantown, WV 26505 U.S.A., U.S. License No. 2210, Product of Malaysia

This Patient Information has been approved by the U.S. Food and Drug Administration.

Revised: 05/2023

Manufactured by: **Mylan Pharmaceuticals Inc.** Morgantown, WV 26505 U.S.A. U.S. License No. 2210

Manufactured for: Mylan Specialty L.P. Morgantown, WV 26505 U.S.A.

Product of Malaysia

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MA:B:PIP:INGLIJKUB:RX4

INSTRUCTIONS FOR USE

Insulin Glargine-yfgn (in´ su lin glar´ jeen) injection, for subcutaneous use 3 mL Single-Patient-Use PREFILLED PEN: 100 units/mL (U-100)

This product is SEMGLEE (insulin glargine-yfgn).

Read these Instructions for Use before you start taking the Insulin Glargine-yfgn pen and each time you get a new Insulin Glargine-yfgn pen. There may be new information. This information does not take the place of talking to your healthcare provider about your medical condition or your treatment.

Do not share your Insulin Glargine-yfgn pen with other people, even if the needle has been changed. You may give other people a serious infection, or get a serious infection from them.

People who are blind or have vision problems should not use the Insulin Glargine-yfgn prefilled pen without help from a person trained to use the Insulin Glargine-yfgn prefilled pen.

Insulin Glargine-yfgn is a disposable prefilled pen used to inject Insulin Glargine-yfgn. Each Insulin Glargine-yfgn pen has 300 units of insulin which can be used for multiple injections. You can select doses from 1 to 80 units in steps of 1 unit. The pen plunger moves with each dose. The plunger will only move to the end of the cartridge when 300 units of Insulin Glargine-yfgn have been given.

Important Information You Need to Know Before Injecting Insulin Glargineyfgn:

- **Do not** use your pen if it is damaged or if you are not sure that it is working properly.
- **Do not** use a syringe to remove Insulin Glargine-yfgn from your pen.
- **Do not reuse needles.** If you do, you might get the wrong dose of Insulin Glargine-yfgn and/or increase the chance of getting an infection.
- Always perform a safety test (see **Step 3**).
- Always carry a spare pen and spare needles in case they get lost or stop working.
- Change (rotate) your injection sites within the area you choose for each dose (see "Places to Inject")

Learn to Inject

- Talk with your healthcare provider about how to inject before using your pen.
- Ask for help if you have problems handling the pen, for example if you have problems with your sight.
- Read all these instructions before using your pen. If you do not follow all these instructions, you may get too much or too little insulin.

Need Help?

If you have any questions about your pen or about diabetes, ask your healthcare provider, or call Mylan at 1-877-446-3679 (1-877-4-INFO-RX).

Extra Items You Will Need

- A new sterile needle (see Step 2).
- An alcohol swab.
- A puncture-resistant container for used needles and pens. (See "Throwing your pen away")

Places to inject

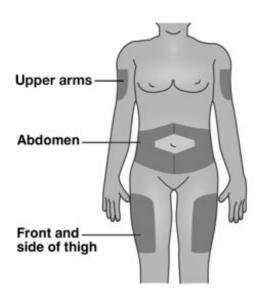
Inject your insulin exactly as your healthcare provider has shown you.

Inject your insulin under the skin (subcutaneously) of your upper legs (thighs), upper arms, or stomach area (abdomen).

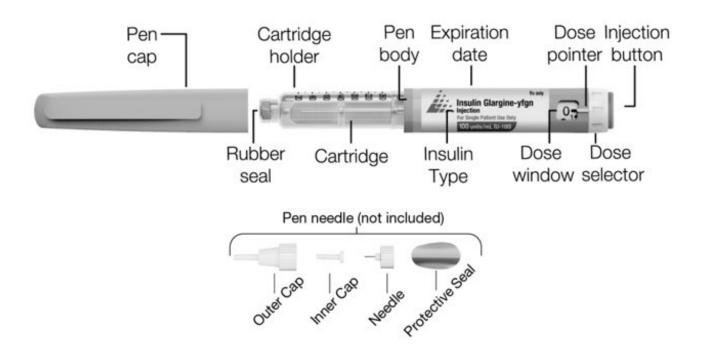
Change (rotate) your injection sites within the area you choose for each dose to reduce your risk of getting lipodystrophy (pits in skin or thickened skin) and localized cutaneous amyloidosis (skin with lumps) at the injection sites.

Do not inject where the skin has pits, is thickened, or has lumps.

Do not inject where the skin is tender, bruised, scaly or hard, or into scars or damaged skin.



Get to know your pen



Step 1: Check your pen

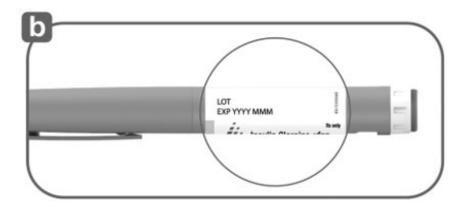
Take a new pen out of the refrigerator at least 1 hour before you inject. Cold insulin is more painful to inject.

1A Check the name and expiration date on the label of your pen.

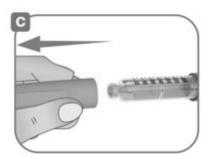
• Make sure you have the correct insulin (See Figure a).



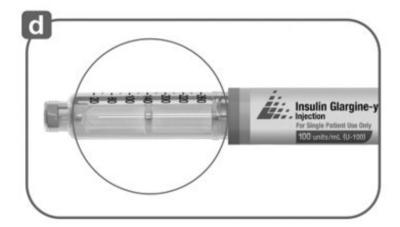
• **Do not** use your pen after the expiration date (See Figure b).



1B Pull off the pen cap (See Figure c).



- **1C** Check that the insulin is clear (See Figure d).
 - **Do not** use the pen if the insulin looks cloudy, colored or contains particles.



1D Wipe the rubber seal with an alcohol swab (See Figure e).



If you have other injector pens:

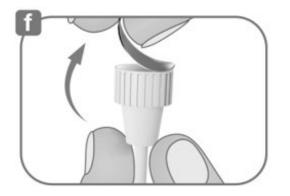
• Making sure you have the correct medicine is especially important if you have other injector pens.

Step 2: Attach a new needle

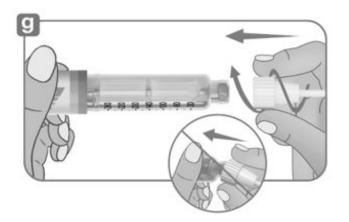
• **Do not** reuse needles. Always use a new sterile needle for each injection. This helps stop blocked needles, contamination, and infection.

Only use needles that are compatible for use with Insulin Glargine-yfgn, such as BD Ultra $\mathsf{Fine}^{\texttt{R}}$

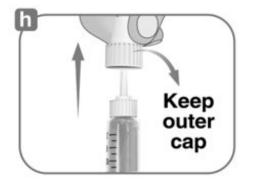
2A Take a new needle and peel off the protective seal (See Figure f).



2B Keep the needle straight and screw it onto the pen until fixed. Do not over-tighten (See Figure g).



2C Pull off the outer needle cap (See Figure h). Keep this for later.



2D Pull off the inner needle cap and throw away (See Figure i).



Handling needles

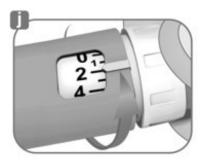
• Take care when handling needles to prevent needle-stick injury and cross-infection.

Step 3: Do a safety test

Always do a safety test before each injection to:

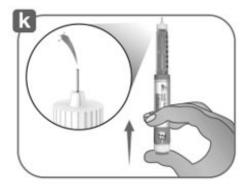
- Check your pen and the needle to make sure they are working properly.
- Make sure that you get the correct Insulin Glargine-yfgn dose.

3A Select 2 units by turning the dose selector until the dose pointer is at the 2 mark (See Figure j).



3B Press the injection button all the way in (See Figure k).

When insulin comes out of the needle tip, your pen is working correctly.



If no insulin appears:

- You may need to repeat this step up to 3 times before seeing insulin.
- If no insulin comes out after the third time, the needle may be blocked. If this happens:
- change the needle (see Step 6 and Step 2),
- then repeat the safety test (**Step 3**).
- **Do not** use your pen if there is still no insulin coming out of the needle tip. Use a new pen.
- **Do not** use a syringe to remove insulin from your pen.

If you see air bubbles:

• You may see air bubbles in the insulin. This is normal, they will not harm you.

Step 4: Select the dose

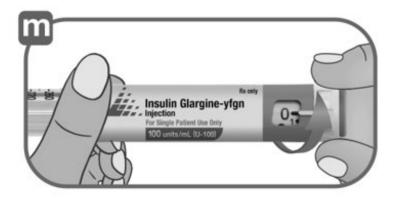
Do not select a dose or press the injection button without a needle attached. This may damage your pen.

4A Make sure a needle is attached and the dose is set to "0" (See Figure I).



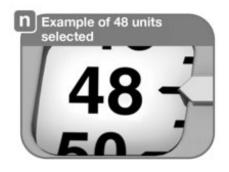
4B Turn the dose selector until the dose pointer lines up with your dose (See Figure m).

- If you turn past your dose, you can turn back down.
- If there are not enough units left in your pen for your dose, the dose selector will stop at the number of units left.
- If you cannot select your full prescribed dose, use a new pen or inject the remaining units and use a new pen to complete your dose.

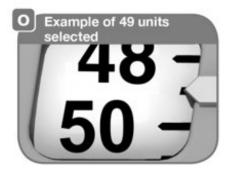


How to read the dose window

Even numbers are shown in line with dose pointer (See Figure n).



Odd numbers are shown as a line between even numbers (See Figure o).



Units of Insulin Glargine-yfgn in your pen:

- Your pen contains a total of **300** units of Insulin Glargine-yfgn. You can select doses from **1** to **80** units in steps of **1** unit. Each pen contains more than 1 dose.
- You can see roughly how many units of insulin are left by looking at where the plunger is on the insulin scale.

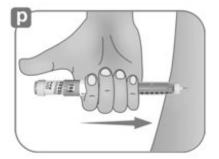
Step 5: Injecting Your Insulin Glargine-yfgn Dose

If you find it hard to press the injection button in, do not force it as this may break your pen. See the section below for help.

5A Choose a place to inject as shown in the section "Places to Inject"

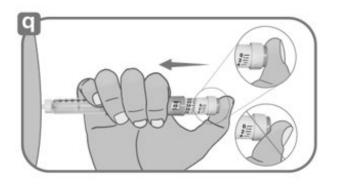
5B Push the needle into your skin as shown by your healthcare provider (See Figure p).

Do not touch the injection button yet.



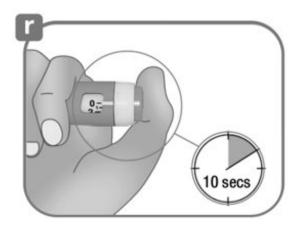
5C Place your thumb on the injection button. Then press all the way in and hold (See Figure q).

• Do not press at an angle. Your thumb could block the dose selector from turning.



5D Keep the injection button held in and when you see "0" in the dose window, slowly count to 10 (See Figure r).

• This will make sure you get your full dose.



5E After holding and slowly counting to 10, release the injection button. Then remove the needle from your skin.

If you find it hard to press the button in:

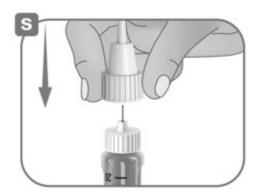
- Change the needle (see **Step 6** and **Step 2**) then do a safety test (see **Step 3**).
- If you still find it hard to press in, get a new pen.
- **Do not** use a syringe to remove insulin from your pen.

Step 6: Remove the needle

- Take care when handling needles to prevent needle-stick injury and cross-infection.
- **Do not** put the inner needle cap back on.

6A Grip the widest part of the outer needle cap. Keep the needle straight and guide it into the outer needle cap. Then push firmly on (See Figure s).

• The needle can puncture the cap if it is recapped at an angle.



6B Grip and squeeze the widest part of the outer needle cap. Turn your pen several times with your other hand to remove the needle (See Figure t).

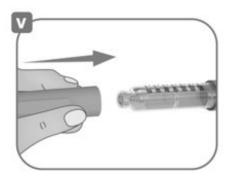
• Try again if the needle does not come off the first time.



6C Throw away the used needle in a puncture-resistant container (see "Throwing your pen away" at the end of this Instructions for Use). (See Figure u).



- **6D Put your pen cap back on** (See Figure v).
 - **Do not** put the pen back in the refrigerator.



Storing the Insulin Glargine-yfgn Pen

Before first use:

- Keep new pens in the refrigerator between **36°F to 46°F (2°C to 8°C)**.
- **Do not** freeze. **Do not** use Insulin Glargine-yfgn if it has been frozen.

After first use:

- Keep your pen at room temperature below **86°F (30°C)**.
- Keep your pen away from heat or light.
- Store your pen with the pen cap on.
- **Do not** put your pen back in the refrigerator.
- **Do not** store your pen with the needle attached.
- Keep out of the reach of children.
- Only use your pen for **up to 28 days** after its first use. Throw away the Insulin Glargine-yfgn pen you are using after 28 days, even if it still has insulin left in it.

Caring for Your Insulin Glargine-yfgn Pen

Handle your pen with care

- Do not drop your pen or knock it against hard surfaces.
- If you think that your pen may be damaged, do not try to fix it. Use a new one.

Protect your pen from dust and dirt

You can clean the outside of your pen by wiping it with a damp cloth (water only). Do not soak, wash or lubricate your pen. This may damage it.

Throwing your Pen away

- The used Insulin Glargine-yfgn pen may be thrown away in your household trash after you have removed the needle.
- Put the used needle in an FDA-cleared sharps disposal container right away after use. **Do not** throw away (dispose of) the used needles in your household trash.
- If you do not have an FDA-cleared sharps disposal container, you may use a household container that is:
- made of a heavy-duty plastic,
- can be closed with a tight-fitting, puncture-resistant lid, without sharps being able to come out,
- upright and stable during use,

- leak-resistant, and
- properly labeled to warn of hazardous waste inside the container.
- When your sharps disposal container is almost full, you will need to follow your community guidelines for the right way to dispose of your sharps disposal container. There may be state or local laws about how you should throw away used needles and syringes. For more information about safe sharps disposal, and for specific information about sharps disposal in the state that you live in, go to the FDA's website at: <u>http://www.fda.gov/safesharpsdisposal</u>.
- **Do not** dispose of your used sharps disposal container in your household trash unless your community guidelines permit this. **Do not** recycle your used sharps disposal container.

This Instructions for Use has been approved by the U.S. Food and Drug Administration.

Revised: 05/2023

Manufactured by: **Mylan Pharmaceuticals Inc.** Morgantown, WV 26505 U.S.A. U.S. License No. 2210

Manufactured for: Mylan Specialty L.P. Morgantown, WV 26505 U.S.A.

Product of Malaysia

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MA:B:IFUP:INGLIJKUB:RX5

PRINCIPAL DISPLAY PANEL - 100 units/mL Pen

NDC 49502-394-75 Rx only

Insulin Glargine-yfgn Injection For Single Patient Use Only

100 units/mL (U-100)

For subcutaneous use only

Dispense in this sealed carton

Do not mix with other insulins

Use only if solution is clear and colorless with no particles visible

*Needles not included (see top panel)

This product is Semglee.

Five 3 mL Prefilled Pens

Each mL contains 100 units of Insulin Glargine-yfgn, and inactive ingredients: glycerol (20 mg), metacresol (2.7 mg), zinc chloride (content adjusted to provide 30 mcg zinc ion), and Water for Injection, USP. The pH is approximately 4. The pH is adjusted by addition of aqueous solutions of hydrochloric acid and/or sodium hydroxide.

Recommended dosage: see Prescribing Information. As with any drug, if you are pregnant or nursing a baby, seek professional advice when using this product. Any change of insulin should be made cautiously and only under medical supervision.

Storage: Refrigerate at 2° to 8°C (36° to 46°F) until first use. Avoid freezing. Discard if frozen. After first use an Insulin Glargine-yfgn pen, store the pen at room temperature (up to 30°C [86°F]) and discard after 28 days. Protect from direct heat and light.

WARNING: Keep this and all medication out of the reach of children.

Use within 28 days after initial use.

*BD[®] Ultra-Fine needles are compatible with insulin glargine injection. These are sold separately and manufactured by BD.

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Manufactured for: **Mylan Specialty L.P.** Morgantown, WV 26505 U.S.A.

Product of Malaysia

MA:B:G:394:5C:RX3

Mylan.com



PRINCIPAL DISPLAY PANEL - 100 units/mL Vial

NDC 49502-393-80 Rx only

Insulin Glargine-yfgn Injection 100 units/mL (U-100)

Do not mix with other insulins

Use only if solution is clear and colorless with no particles visible

For subcutaneous use only

Use with U-100 syringe only

This product is Semglee.

One 10 mL Multiple-Dose Vial

Each mL contains 100 units of Insulin Glargine-yfgn, and inactive ingredients: glycerol (20 mg), metacresol (2.7 mg),

polysorbate-20 (20 mcg), zinc chloride (content adjusted to provide 30 mcg zinc ion), and Water for Injection, USP. The pH is approximately 4. The pH is adjusted by addition of aqueous solutions of hydrochloric acid and/or sodium hydroxide.

Recommended dosage: see Prescribing Information. As with any drug, if you are pregnant or nursing a baby, seek professional advice when using this product. Any change of insulin should be made cautiously and only under medical supervision.

WARNING: Keep this and all medication out of the reach of children.

Manufactured by: **Mylan Pharmaceuticals Inc.** Morgantown, WV 26505 U.S.A.

U.S. License No. 2210

Manufactured for: **Mylan Specialty L.P.** Morgantown, WV 26505 U.S.A.

Product of Malaysia

Mylan.com

Storage: Refrigerate at 2° to 8°C (36° to 46°F) until first use. Avoid freezing. Discard if frozen.

After first use, store at room temperature (up to 30°C [86°F]) and discard after 28 days. Protect from direct heat and light.

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MA:B:39310:1C:RX3



INSULIN GLARGINE insulin glargine-yfgn injection,	solution				
Product Information					
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source) NDC:49502-394			
Route of Administration	SUBCUTANEOUS				
Active Ingredient/Active Moiety					
Ingredient Name			Basis of Strength	Strength	
INSULIN GLARGINE (UNII: 2Z M8C) UNII:2Z M8CX04RZ)	(04RZ) (INSULIN GLARGINE -		INSULIN GLARGINE	100 [iU] in 1 mL	

Inactive Ingredients					
Ingredient Name	Strength				
GLYCERIN (UNII: PDC6A3C0OX)					
METACRESOL (UNII: GGO4Y809LO)					
ZINC CHLORIDE (UNII: 86Q357L16B)					
WATER (UNII: 059QF0K00R)					
HYDROCHLORIC ACID (UNII: QTT17582CB)					
SODIUM HYDROXIDE (UNII: 55X04QC32I)					

Packaging

#	ltem Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:49502- 394-75	5 in 1 CARTON	11/16/2021	
1	NDC:49502- 394-71	3 mL in 1 SYRINGE; Type 2: Prefilled Drug Delivery Device/System (syringe, patch, etc.)		

Marketing Information

Marketing	Application Number or Monograph	Marketing Start	Marketing End
Category	Citation	Date	Date
BLA E	BLA761201	11/16/2021	

INSULIN GLARGINE

insulin glargine-yfgn injection, solution

Product Information								
Product Type	Item Co	ode (Source)	NDC:49502-393					
Route of Administration SUBCUTANEOUS								
Active Ingredient/Active Moiety								
······	Basis of a second							
Ingredient Name			Strength	Strength				
INSULIN GLARGINE (UNII: 2ZM8C) UNII:2ZM8CX04RZ)	(04RZ) (INSULIN GLARGINE -		INSULIN GLARGINE	100 [iU] in 1 mL				
Inactive Ingredients								

Ingredient Name	Strength			
GLYCERIN (UNII: PDC6A3C0OX)				
METACRESOL (UNII: GGO4Y809LO)				
POLYSORBATE 20 (UNII: 7T1F30V5YH)				
ZINC CHLORIDE (UNII: 86Q357L16B)				

۱۸/								
	WATER (UNII: 059QF0K00R)							
HYDROCHLORIC ACID (UNII: QTT17582CB)								
SODIUM HYDROXIDE (UNII: 55X04QC32I)								
Pa	ackaging							
#	ltem Code		Package Description	otion Marketing Start Date				
1	NDC:49502- 393-80	1 in 1	1 CARTON		11/16/2021			
1			in 1 VIAL, MULTI-DOSE; Type 2: Prefilled Drug De /System (syringe, patch, etc.)					
Marketing Information								
Marketing Category			Application Number or Monograph Citation	Marketing Start Date		Marketing End Date		
BL	A		BLA761201	11/16/202	21			

Labeler - Mylan Specialty L.P. (194775557)

Revised: 5/2023

Mylan Specialty L.P.