HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use LANREOTIDE INJECTION safely and effectively. See full prescribine information for LANREOTIDE INJECTION.

LANREOTIDE injection, for subcutaneous use Initial U.S. Approval: 2007

---- INDICATIONS AND USAG

- MOICEATORS AND Usable

  The incredible frepiction is a sometosithin shalle principated for the long-term frealment of acromagaic patients who have had an incidegaate response to or cannot be treated with surgery and/or indicatoring (1.1).

  The treatment of actual patients with unassectable, we're or moderabley-differentiated, locally the treatment of actual patients with unassectable, we're or moderabley-differentiated, locally the treatment of actual patients with unassectable surgering the street (EEP-RETs) to improve progression-free survival (1.2).

  DISAGE AND ADMINISTRATION

- Administration (2.1):

  For deep subcutaneous injection only.

  Intended for administration by a health-care provider.

  Administer in the superior external quadrant of the buttock.

  Alternate injection sites.
- Pollimitation in the superior exercise quantum on or custom. Allemante ejection is else. Accordagely 30 mg est 4 weeks for 3 months, Adjust thereafter based on GH and/or IGF-1 levels. GEP-AIEE. 30 mg information for stration regimen. GEP-AIEE. 30 mg information for stration regimen.

BEY-NELS (at ting Perry v www...

Desgas Addistreet.

 See fail prescribe; indernation for dosage adustment in patients with acromopally and renal or hepatic impatiment (2, 3, 2, 4)

Injection: 60 mg/0.2 ml, 50 mg/0.3 ml, and 12 fb mg/0.5 ml, single-dose prefilled syringes (3)

CMITRANDICATIONS

CMITRANDICATIONS

lypersensitivity to lanreotide. (4)

## FULL PRESCRIBING INFORMATION: CONTENTS\* 1 INDICATIONS AND USAGE

- Gastroenteropancreatic Neuroendocri iAGE AND ADMINISTRATION Important Administration Instructions Recommended Dosage Dosage Adjustment in Renal Impairm Dosage Adjustment in Hepatic Impair
- OSAGE FORMS AND STRENGTHS
- INDICATIONS GS AND PRECAUTIONS
- WARNINGS AND PRECAUTIONS

  1. Choleditations of Chi.
  2. hyperglycenia and Popoglycenia
  3. Cardyoscach Almermaties
  3.4 Thyoid Function Amormaties
  3.4 Thyoid Function Amormaties
  3.5 Discourage of the Child State
  6.1 Girical Trials Experience
  6.1 Girical Trials Experience
  6.3 Postmarceling Experience
  6.3 Postmarceling Experience
  7.1 Biolance of Child Trials
  6.1 Biolance of Child Trials
  6.2 Biolance of Child Trials
  6.3 Postmarceling Experience
  6.4 Biolance of Child Trials
  6.5 Biolance of Child Trials
  6.6 Biolance of Child Trials
  6.7 Biol

# FULL PRESCRIBING INFORMATION 1 INDICATIONS AND USAGE

Acromegaly colide Injection is indicated for the long-term treatment of acromegalic patients who have had adequate response to surgery and/or radiotherapy; or for whom surgery and/or radiotherapy is 

(1) (viet to normal. Gastroenteropancreatic Neuroendocrine Tumors Golde injection is indicated for the treatment of adult patients with unresoctable, retailey differentiated, locally advanced or metastatic gastroenteropancreatic neuroe so (EPG-METs) to injectio propression-free survival.
DOSAGE AND ADMINISTRATION

- Important Administration In For deep subcutaneous injection only.
- Lanreotide Injection is intended for administration by a healthcare provider.

  Refer to the Instructions For Use (IFU) for complete administration instructions with illustrations.

- Discounting.

  A more continued by pection from the refrigerator 30 minutes pelor to administration and allow to be control temperature.

  A map power heading that prior to injection.

  Product lift in its sealed pound at norm temperature from the exceed 104° for 40°° (for up to 72 hours may be returned to the refrigerator (continued sterage and use at a later time. The content of the exceed 104° for 40°° (for up to 72 hours may be returned to the refrigerator (continued sterage and use at a later time. The content of the prefitted prince are a semi-soft place thanking and the semi-source, with viscous form the content of the prefitted syringe as semi-soft place thanking a god-tike appearance, with viscous discounted into the content of the prefitted syringe as semi-soft place thanking a god-tike appearance, with viscous discounted restrict the content of the prefitted syringe as semi-soft place thanking a god-tike appearance, with viscous discounted restrict and content of the content of the product of the produc

- Afternate the injection site between the right and left sides from one injection to the next. 2.2 Recommended Dosage

Acromegaly

The recommended starting dosage of Larreotide Injection is 90 mg given via the deep subcutar route, at 4-week intervals for 3 months.

ne nocumentos suring cossog et Larrectole Injection is 90 mg given via the deep subcutaneous revidus, al 4-week internals for 3 monitis.

After 3 mortins, the design may be adjusted as follows:

After 3 mortins, the design may be adjusted as follows:

CH of greater than injent, to less that on equal to 2.5 ng/mL, (6F-1 normal, and clinical symptoms controlled: migratin Larrectoled injection dosego et 30 mg every 4 weeks.

Off greater than 12.5 ng/mL, (6F-1 eventue, and/or clinical symptoms uncontrolled: increase controlled: migratin symptoms or controlled: migratin controlled: increase controlled: migratin symptoms or controlled: migratin controlled: migratin symptoms or controlled: migratin controlled: migratin symptoms or controlled: migratin symptoms or decomposity.

Patients who care controlled an Larrectole injection (30 mg every 6 mg every

# succutaneous injection. 2.3 Dosage Adjustment in Renal Impairment

utilisation commended starting design of Lannoddel Injection in accompagilic patients with moderate evere metal inspirment (conditionin clearance less than 60 mUmin) is 00 mg via the deep destances actual et al., which is the start of inspiration for local very design adjustment fisee Design and montrariator 2.2, the in 5 gent Enqualitions (6.6)! Design Adjustment in Regulation (2.6).

TRANSMITTER
The occumentation distarting disease of Lameetide Injection in accomingable politicists with moderate or servero hepatic impairment (Dills-Pugh Class B or C) is 60 mg via the deep subcolamoous roads at 4-meet intervals for 3 months of lowed by design edipathment (see Disease and Administration (2.2), then in Secretic Populations (8.7)).

an Specialize Projustations (8.7/f).

DOSAGE FORMS AND STRENGTHS

tion: 60 mg/0.2 mL, 90 mg/0.3 mL, and 120 mg/0.5 mL sterile, single-dose, prefilled syringes
t with an automatic needle guard. The prefilled syringes contain a white to pale yellow, semi-solid

ormulation.

4 CONTRAINDICATIONS
.arrectified injection is contraindicated in patients with history of a hypersensi
Allergic reactions (including angioedema and anaphylaxis) have been reported follor
of lanneotide [see Adverse Reactions (6.3)].

of lamentation (see Advance Restations et 3.1).

5.1 Cholelithiasia and Complications of Cholelithiasia
Lamendale lepicion my reduce galibilation and lead to gallatone formation; therefore
patients may reade of be monitored periodically (see Advance Restations (e.f.), direct Phramacologic
Lagoration (2.22), there have been postamicating reports of cholelithiasis (subscent resulting on complications of cholelithiasis subscent resulting on complications of cholelithiasis subscent resulting on complications of cholelithiasis are suspected, discontinue Lamendale Injection. It complications of cholelithiasis are suspected, discontinue Lamendale Injection.

and treat appropriately.

22. Pyperphysimia and Hypophysimia
Pharmacopoguel studies in animals and humans above that insrectioti, like sometostatin and other
pharmacopoguel studies in animals and humans above that insrectioti, like sometostatin analogs, which is the sceneration of insulin and plucagon, Hence, patient treated with
Lancedate lepictom may experience hypophysimia or hyperphysimia.

Blood plucase levels insulin an animal human animal pharmacolist heratement is initiated, or when the dose
is alternot, and antidiabetic treatment should be adjusted accordingly [see Adverse Reactions (fl. 1)].

is altered, and artificiate the carrier should be adjusted accordingly (see Adverse Neacctors (6.7)).

5.3 Cardiovascular Ahonnmatilities
The most common overall cardiac adverse reactions observed in three pooled Larrendide Injection
cardiac studies in patients with accordingly were sinus in-adjuradia (12217, 5.5%), bradycardia
(6/217, 2.8%), and hyportension (12/217, 5.5%) (see Adverse Reactions (6.1)).

(oc.11, 20%), and hypertension (1/221/ 3-3%) jear-valvese reaccious (o.1). It is placeful with fusion like part feeded by the function of the placeful with Larrendod lispection in Study 3, the incidence of heart rate less than 60 bgm was 25% (1981) as compared to 1964 (1954) of jear-bot breated patients; (1) optients (12%) had documented heart rate less than 60 bgm on more than one vist. The incidence of documented episodes of heart rate less than 50 bgm on more than one vist. The incidence of documented episodes of heart rate less than 50 bgm on the state incidence of obscurred as an adverse event was 1% in each intellement group.

### - WARNINGS AND PRECAUTIONS --

- Choletifisias and Compilations of Coletifisias Montes periodically, Discontinue if complications of choletifisias Montes periodically, Discontinue if complications of choletifisias are suspected. Californess may occur; consider periodic mentioning, (5, 1). https://discontinues.periodically.disconti
- Thyroid Function Abnormalities: Decreases in thyroid function may occur; perform tests where clinically indicated, (5.4)

### ----- ADVERSE REACTIONS ------

Most common adverse reactions are:

• <u>Acromegaly</u> (>5%): diarrhea, cholelithiasis, abdominal pain, nausea and injection site reactions

- <u>Accommenday</u> C-5/96, district, contelliments, abdominal pain, nauses and injection site reactions.
   <u>CRE-SET</u> C-19/96, abdominal pain, resolucidated pain, nauses and injection site reactions.
   <u>CRE-SET</u> C-19/96, abdominal pain resolucidated pain, resolucing, bradische, injection site reactions hypergyreeman hyperferensis, and crisival filmskiis. If, 1
   <u>The Top OF INSPECT PAIN PAIN FROM PAIN F</u>

Lactation: Advise women not to breastfeed during treatment and for 6 months after the last dose. (6.2)

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

ISSUE IN SPECIFIC POPULATIONS

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

ISSUE IN SPECIFIC POPULATIONS

ISSUE IN SPECIFIC P

- 7.3 Bromocriptine
  7.4 Bradycardia-Inducing Drugs
  7.5 Drug Metabolism Interactions
  USE IN SPECIFIC POPULATIONS
- 8 USE IN SPECIFIC POPULATIONS
  8.1 Preparate
  8.2 Lactation
  8.3 Females and Males of Reproductive Potential
  8.4 Produint Use
  8.5 Genature Common Pend Impairment
  9.6 Rend Impairment
  10 DESCRIPTION
  12 CLINICAL PHARMACOLOGY
  12.1 Medicalism of Action

- 12.1 Mechanism of Action 12.2 Pharmacodynamics 12.3 Pharmacokinetics 13 NONCLINICAL TOXICOLOGY

# 13 NONCONNEAL TOXICOLOR 13.1 Cartinogenesis, Mutagenesis, Impairme 14 CLINICAL STUDIES 14.1 Accomegaly 14.2 Gastmenteropancreatic Neuroendostine 16 HOW SUPPLIED/STORAGE AND HANDLING 17 PATIENT COUNSELING INFORMATION \*Sections or subsections omitted from the full pres

Initiate appropriate medical management in patients who develop symptomatic bradycardia,

Initiate appropriate medical management in patients who develop symptomatic bookprodies. In in patients without antherholing cardiac desease, Lamerotic hylicide may rice of a decrease in heart rate without miseasesily reaching the threshol of bankparda. In patients suffering time cardiac discorring prior to Lamerotic improvement, insure branghand any occur. Care should be taken when invaliding treatment with Lameroddia improvement patients with transportation. 3.7 Thyroid Transformations are seen acting treatment with precedite in accompanies patients. Brough districts through products in prior likes than 1%). Thyroid handlon tests are recommended where clinically included.

5.5. Monitoring: Laboratory Tests

Acromegaly: Serum GH and IGF-1 levels are useful markers of the disease and the effetreatment (see Possoe and Administration (2.2))

- ment (see Dosage and Administration (2.2)).
  ADVERSE REACTIONS
  following adverse reactions to Lanreotide Injection are discussed in greater d
  3 labeling:

of the labeling:

Chodelithissis and Complications of Cholelithissis/see Warnings and Precautions 6.11/

• Inpresponsin and Hypodylecenia (See Warnings and Precautions 6.21/

• Inpresponsin and Hypodylecenia (See Warnings and Precautions 6.21/

• Cardinocatical Farineristies (See Warnings and Precautions 6.21/

• Cardinocatical Farineristies (See Warnings and Precautions 6.41/

• Cardinocatical Farineristies (See Warnings and Precautions 6.41/

• See Causa critical thirds reportions

• Cardinocatical Farineristies (See Warnings and Cardinocations Adverse reaction rates observed in the critical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the aste observed in practical cardinocations.

Accommodate. The data described below reflect exposure to Larreccides lejection in 416 accommodate patients in seven studies. The study was a fixed-double pharmacolonistic study, The other six studies were oper-laded the production was many characteristics. See Section 1. The population was many Characteris (2028), 553 by with an ending any 61 System of age (and per 19 to 84 system). They have public to first supplication (1928) of the population was many Characteristics (2028). 553 by with a resolution of the population was many Characteristics (2028). 553 by with an ending any 61 System of age (and the population was many Characteristics).

Perfects were every matched for sex (205 males and 211 females). The median aways morthly done was 91.2 mg (e.g., 90 mg signified on the deep subcolumnous routh every 4 weeks) aver 350 Sept with a median cumlander does of 120 mg. of the palestria reporting accommely, severity all selection (H=250), assem GH levels were less than 10 ng/mL for 99% (183/265) of the palestriat spring levels (deep levels for 15% (92/2509) of the palestria.

greater for 31% (80/26%) of the paleters.

The most commonly propriet adverse reactions reported by greater than 5% of patients who necewise Lamendois (highcorn (H=416)) in the overall pooled safety studies in accommagily patients were gasterinaterisad describers (gartness, advantages igant, assakan, constipation, flatulerice, vomitring, loces stools, chaldelishissis, and injection site reactions.

Tables 1 and 2 present adverse reaction of atm on clinical studies with Lamendois eleption in accommagilia patients. The tables include data from a single clinical study and pooled data from seven critical studies.

omical studies.

Adverse Reactions in Parallel Fixed-Dose Phase of Study 1 Transactions or content reter-base PTABS of STUDY I

This incidence of treatment-emergent adverse reactions for Lanneotide Injection 60, 90, and 120 mg by dose as reported during the first 4 months (fixed-dose phase) of Study 1 (see Clinical Studies (14.1)) are provided in Table 1.

Table 1: Adverse Reactions at an Incidence of Greater than 5% with LANREOTIDE ACETATE Overall and Occurring at Higher Rate than Placebo: Placebo-Controlled and Fixed-Dose Phase of Study 1 By Dose

	Placebo-Controlled Double-Blind Phase Weeks 0 to 4		Fixed-Dose Phase Double-Blind + Single-Blind Weeks 0 to 20			
Body System Preferred Term	Placebo (N=25)	LANREO- TIDE ACETATE Overall (N=83)	LANREO- TIDE ACETATE 60 mg (N=34)	LANREO- TIDE ACETATE 90 mg (N=36)	LANREO- TIDE ACETATE 120 mg (N=37)	LANREO- TIDE ACETATE Overall (N=107)
	N (%)	N (56)	N (%)	N (%)	N (%)	N (%)
Gastrointestinal System Disorders	1 (4%)	30 (36%)	12 (35%)	21 (58%)	27 (73%)	60 (56%)
Diarrhea Abdominal pain Flatulence	0 1 (4%) 0	26 (31%) 6 (7%) 5 (6%)	9 (26%) 3 (9%) 0 (0%)	15 (42%) 6 (17%) 3 (8%)	24 (65%) 7 (19%) 5 (14%)	48 (45%) 16 (15%) 8 (7%)
Application Site Disorders (Injection site mass/ pain/ reaction/ inflammation)	0 (0%)	5 (6%)	3 (9%)	4 (11%)	8 (22%)	15 (14%)
Liver and Billiary System Disorders Cholelithiasis	1 (4%)	3 (4%)	9 (26%)	7 (19%) 6 (17%)	4 (11%) 3 (8%)	20 (19%)
Heart Rate & Rhythm Disorders Bradycardia	0	8 (10%)	7 (21%)	2 (6%)	5 (14%)	14 (13%)
Red Blood Cell	0	6 (7%)	2 (6%)	5 (14%)	2 (5%)	9 (8%)
Disorders Anemia	0	6 (7%)	2 (6%)	5 (14%)	2 (5%)	9 (8%)
Metabolic & Nutritional Disorders Weight	3 (12%)	13 (16%)	8 (24%)	9 (25%)	4 (11%)	21 (20%)
decrease	0	7 (8%)	3 (9%)	4 (11%)	2 (5%)	9 (8%)

Dictionary — MM-DART in Study 1. The district and continual pain, and flabilistic increased in incidence with increasing dose of Larrendole Injection. Advances Reactions in Jung-Frem Difficial Paints and Study 1. The Study 1.

Table 2: Adverse Reactions in LANREOTIDE ACETATE-Treated Patients at an Inci than 5% in Overall Group Versus Adverse Reactions Reported in Studies 1 and 2

System Organ Class	Number and Percentage of Patients					
	Studie (N=	170)	Overall Pooled Data (N=416)			
	N	%	N .	%		
Patients with any Adverse Reactions	157	92	356	86		
Gastrointestinal disorders	121	71	235	57		
Diamhea	81	48	155	37		
Abdominal pain	34	20	79	19		
Nausea	15	9	46	11		
Constipation	9	5	33	8		
Flatulence	12	7	30	7		
Vomiting	8	5	28	7		
Loose stools	16	9	23	6		
Hepatobiliary disorders Cholelithiasis	<b>53</b> 45	<b>31</b> 27	<b>99</b> 85	<b>24</b> 20		
General disorders and administration site conditions	51	30	91	22		
(Injection site pain /mass /induration/ nodule/pruritus)	28	17	37	9		
Musculoskeletal and connective tissue disorders	44	26	70	17		
connective tissue disorders Arthralgia	17	10	30	7		
Nervous system disorders Headache	<b>34</b> 9	<b>20</b> 5	<b>80</b> 30	19 7		

- Ulactorary MedIBA 7.1 in addition to the adverse reactions listed in Table 2, the following reactions were also seen:

  Stress brangewards occurred in 7% (12) of patients in the pooled Study 1 and 2 and in 3% (13) of patients in the overall pooled studies.

  Hypertressin coveral in 7% (11) of patients in the pooled Study 1 and 2 and in 5% (20) of patients in the overall pooled studies.

  A seemic occurred in 7% (11) of patients in the pooled Study 1 and 2 and in 3% (14) of patients in the overall pooled studies.

castronitesimal neveree reactions in the pooled clinical studies of large the reactions occurred, the majority of which were mild to moderate in severity. One percent of accompagilic patients treated with Larrectide injection in the pooled clinical studies discontinued treatment because of gastronitesimal reactions.

Pancreatitis was reported in less than 1% of patients.

accidentation individual resources and the control of the control

ejection Sife Auctions
In the pointed intimise studies, injection alter pain (4%) and injection alter mass (2%) were the most
requesting reported local solveras drug resolutions that occurred with the administration of Lamestode
control as equivalent point point of the control of the contro

moderate but del lead to withdrawal from clinical distillation in the subjects. 
Glaccine Metallicins Anderse Reactions

Glaccine Metallicins Anderse Reactions

(in the clinical studies in account property of the subjects). 
Glaccine Metallicins Anderse Reactions

(in the clinical studies in account property of the subjects) and the subjects and subject in the clinical studies in account in perspicious, disablent over reported by 14% (477322) of patients, and 
years property of the subject in the subject in the property of the subject in the su

tion Site Reactions

Advance Reactions in most commonly occurring adverse reactions in the pooled analysis, distribea, abdominal pain, chellethinasis, there was no apparent trend for increasing incidence with age, G discretes and and urinary discretes were more common in patients with documented hepatic impairment; wer, the incidence of chellethinasis was similar between groups.

Gastroenteropancreatic Neuroendocrine Tumors Galtonetresourceals: Neuroenotorius Timorius. 
The solely of Lumonotorius (GEP-NET) was evaluated in Suby 3, a double-lind, placetori serponotorius cursons (GEP-NET) was evaluated in Suby 3, a double-lind, placetorius certorius (GEP-NET) was evaluated in Suby 3, a double-lind, placetorius (GEP-NET) was evaluated in Suby 3, a double-lind, placetorius (GEP-NET) per placetorius (GEP-NET) per placetorius (GEP-NET) per placetorius (GEP-NET) publicati placetorius (GEP-NET) publicati placetorius certorius (GEP-NET) publicati placetorius (GEP-NET) placetorius (GEP-NET) publicati placetorius (GEP-NET) placetorius (GEP-NET

3: Adverse Reactions Occurring in 5% and Greater of Lanreotide Acetate -Treated

Adverse Reaction		E ACETATE 120 N=101	Placebo N=103	
	Any (%)	Severe** (%)	Any (%)	Severe** (%
Any Adverse Reactions	88	26	90	31
Abdominal pain <sup>1</sup>	34*	6*	24*	4
Musculoskeletal pain?	191	2*	13	2
Vomiting	19*	2*	9*	2*
Headache	16	0	11	1
Injection site reaction <sup>3</sup>	15	0	7	0
Hyperglycemia <sup>4</sup>	14*	0	5	0
Hypertension <sup>5</sup>	14*	1*	5	0
Cholelithiasis	14*	1*	7	0
Dizziness	9	0	2*	0
Depression <sup>#</sup>	7	0	1	0

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  Dypones / 0 I 0 0

  Productes preferred terms of adordinal gain, adordinal gain specificises, abdominal discontart.

  \*\*Rocisions preferred terms of margins, muscoloxideated scionnifor, muscoloxideated spin, box gain of a box dark preferred terms of invition, see electronation, region of section sciences in the production scie

\*Includes preferred terms of diobetes mellitus, glucose betrance impaired, hypertylecenia, type 2 diobetes mellitus, per 2 diobetes mellitus diobetes mellitus diobetes mellitus diobetes mellitus diobetes mellitus per dividuolis preferred terms of diopetesico, hypertenevia crisica in "includes ore or mans serious observate eventis (Selfanda at soy event that mealts in costh, is "includes ore or man serious observate eventis (Selfanda at soy event that mealts in costh, is "included and the period of the

image or insections, consecuting, the description of acromegalic patients treated with Lanreottide Injection in clinical studies show that the percentage of patients with putative antibodies at any time point after freatment is low (jees than 1% to 4% or patients in specific studies whose attribudies were tested). The antibodies did not appear to affect the efficacy or safety of Larreotide injection.

in Study 3, development of anti-inercotide antitodies was assessed using a radiominus precipitation assay, in splation with GPP NETs receiving Larrendois legicition, the incidence of anti-inercotide antitodies was 40% of 50% at 24 views, 50% of 50% at 50% views, 50%. The following service is the incidence of the incredible and the contraction of the incidence was not conducted.

6.3 Postumerating Experience.

6.3 Postumerating Experience.

6.3 Postumerating Experience control in the boot incident during one supervalue of Lamentotic hipection. Because Preservation was the boot and the service of the control of the processing of the

Hypersensitivity: angioedema and anaphylaxis

Appearementation analysis and appearementation and other consistential analysis, initiable the secretion of insulin and deparementation. Here extraordisc places are supported to encountered when Lancodois Feedom teatment is administration and Precentions (2.5).

2.7 Optionsport and Precentions (2.5).

2.7 Optionsport Consortiant administration of optiopseries with Lancodois Feedom any decrease the absorption of Consortiant administration of optiopseries with Environmentation (2.5).

2.7 Optiopseries and Precentions (2.5).

2.8 Optiopseries and Precentions (2.5).

2.9 Optiopseries (2.5).

2.9 Optio

Bromocriptine
ed published data indicate that concomitant administration of a somatostatin analog and
nominitine may increase the absorption of bromocriptine (see Climical Pharmacology (12.3)).

bromocriptine may increase the absorption of bromocriptine (see Clinical Pharmacology (12.5)).

7.4 Bradyandia-Induction Drugs
Concentrated animistration of bradyandia-inducing drugs (e.g., beta-blockers) may have an additive
effect on the reduction of beart rate associated with larreotide. Dosage adjustments of concemitant
drugs may be necessary.

rings may be nocessary.

7.5 Imp Metabolism Interactions

The limited published data evaluate that isomatestatin avalogs may decrease the metabolic.

The limited published data evaluate that somatestatin avalogs may decrease the metabolic data evaluate that the second of the second

# 8 USE IN SPECIFIC POPULATIONS 8.1 Pregnancy

Sessiminary. Immedia arbitable data based on postmarketing case reports with Lamneticle injection use in pregnant women are not sufficient to determine a drug-associated risk of adverse developmental outcomes, in a minimal reportation statistics, decreased embryoristed aurieve was observed in programs trist and rabbits at subculances coses 5- and 2-times the maximum recommended human dose MRMD of 100 mg respectively give Ref bits; [The restinated background risk of part brith detects and miscarrage for the indicated opportunity whose was dispregnences have a background risk of with offset, loss, or other adverse cockross, in the U.S. poweril population, the celiminated background risk of with offset, loss, or other adverse cockross, in the U.S. poweril population, the celiminated background risk of with the contraction of many to the discontraction of indicated prospected programs class 2 for 3 of 15 to 20%, respectively.

### Data

Formal Date

reproductive study in programit rats given 30 mg/kg of liamendide by subculaneous injection every
www.5, 55 finites the human dose, based on body surface area comparisons) reculled in decreased
michyorideal survival. A study in programit rabibits given subculaneous injections of 0.45 mg/kg/dg/
rabines the human therapeutic exposures of the maximum recommend dose of 120 mg/kg/dg/
comparisons of relative body surface area) shows decreased fetal survival and increased fetal skeletal
of this size alternational.

Bill Summary
There is no information available on the presence of larmodde in human milk, the effects of the drug on the threathed infant, or the effects of the drug on the production. Studies above that benroulded on the control of the presence of the production of the production

Frantaise Based on results from animal shadies conducted in female rath, Lamredder Injection may reduce fertility in females of reproductive control fees Manchines Trainciscopy (13.1).

84. Pediatric USA

75. Pediatric USA

75. Seriatric USA

respont affecting the grant polarity. Other reported inferences in responses between the elicity and journapped inferences appeals and produced the produced polarity and polarity and polarity and younger public this general, done electron for an electry polarity and the cardious, usually starting at journapped polarity and polarity and polarity and polarity and polarity and journapped polarity and polarity and polarity and polarity and polarity and 8.6 Renal Impalment Accommodally.

Extensional number of studies in plotteds, with not-stop nearl furprise or enjoys, but has been studies in plotteds, with not-stop nearl furprise or enjoys, but not under the plotted in the plotted in

Neuroendocrine Tumors (NET) - Gastroenteropancreatic Neuroendocrine Tumors

# No effect was observed in total clearance of lanneotide in patients with mild to moderate renal impairment receiving Lanneotide Injection 120 mg. Patients with severe renal impairment were not studied [see Clinical Pharmacology (12.3)].

Total Weight

8.7 Hepatic Impairment Acromegaly Accommodals

It is recommended that patients with moderate or severe hepatic impairment receive a starting does of isorrection of 60 mg. Custon stands the exercised when considering patients with moderate or severe hepatic impairment for an extended design internal of Lamcodde injection 120 mg every 6 or 8 weeks feet Disciple and Administration (2.1) and Chinical Pharmacodde (1).

Jeen Design and Administration (2.1) and Clinical Pharmacology (7.2.3).

Neutroniconical Immuno MED:— Galastenderoparacties Neutroniconicis Immuno
Lamentelio hipictoris has not been studed in patients with hipatic impairment.

11 DESCRIPTION
Lamentelio impelion 60 mg0.2 mt., 90 mg0.3 mt., and 120 mg0.5 mt. is a prolonged-release
fermillation for deep abbotimeous impelion. It contains the drugs studence lamentelion acutiles, as synthetic exchappide with a biological activity similar to naturally occurring semalestatis, water for rejection and acuted acute of per absolutions.

reotide Injection is available a reotide acetate supersaturated			l syringes containi
Each syringe contains:	LANREOTIDE ACETATE	LANREOTIDE ACETATE	LANREOTIDE ACETATE
	60 mg/0.2 mL	90 mg/0.3 mL	120 mg/0.5 mL
Lanreotide acetate	89.9 mg	123.2 mg	156.6 mg
Acetic Acid	q.s.	q.s.	q.s.
Water for injection	236.4 mm	324.1 mm	411.6 mg

328.9 mg Larreoticis acetate is a synthetic cyclical octapepticle analog of the natural hormone, somatostatin. Larreoticis acetate is chemically known as (cyclo S-Si)-3-(2-raphthyl-0-blanyl-1-cysteniyl-1-knoye)-D-rhytphyl-1-knyl-1-ayl-1-cysteniyl-1-breoninamide, acetate saft. Its molecular weight is 1096.34 (base) and its amino acid sequence is:

450.9 mg

572.8 ma

D-BNai-Cys-Tyr-D-Trp-Lys-Vai-Cys-Thr-NH<sub>2</sub>, x(CH<sub>3</sub>C00H) where x = 1.0 to 2.0.

The Lanreotide Injection in the prefilled syringe is a white to pale yellow, semi-solid formulation The Curriculos injournment in the premietal synthetic is a white to place yearow, serimonal unministration.

12.1 Mechanism of Action

Larredotic, the active component of Larredotide acetate is an octapeptide analog of natural somatostatin. The mechanism of action of larredotide is believed to be similar to that of natural somatostatin. The mechanism of action of larredotide is believed to be similar to that of natural somatostatin.

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122. Phirmaconynamics

Larredició has a high affeire for human somatostaten receptors, (SSTR) 2 and 5 and a nducad

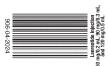
behing affeire) for human SSTR2 and 4. Activity at human SSTR2 and 6 is the primary mechanism

behing affeire for human SSTR2, and 4. Activity at human SSTR2 and 6 is the primary mechanism

neuroridoctrice, recordice, and parameter functions.

The primary primaryophysical reflect of benefit in the primary primaryophysical reflect of benefit in the primary primaryophysical reflect of benefit is a controllegate of levels in a sourcepagic patients, service Studeer (14.1); In acronospite patients, better in studies of the primary primaryophysical reflects in a sourcepagic patients, better in studies of the primary primaryophysical patients.

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Accordingly
In a repeat-dose administration pharmacolimetric (PK) study in acromispalic patients, rapid initial
in a repeat-dose administration pharmacolimetric (PK) study in acromispalic patients, rapid initial
reliase was seen growing peak levels during the first day after administration. At doses of Lamradole
acetals between 03 and 120 mp, linear pharmacolimetric wave observed in acromagile prietins Atenderly staffs, merce 1,55 = 1.7, and 7.7 = 2.7 sprint, increasing intendry
bat-life of Lamradole acetals. The study-state trough serum lamradole concentrations in patients
monineing Lamradole acetals. The study-state trough serum lamradole concentrations in patients
monineing Lamradole acetals. The study-state trough serum lamradole concentrations in apatient
or may 80 mp, and 120 mp, doses, respectively. A limited initial burst effect and a low peak-to-insigh
fluctuation (31% to 1968) of the secum concentration on the politicus were doseved.
For the same doses, similar values were obtained in clinical studies after at least four administrations
(2.3 = 9.9, 3.2 ± 1, and 4.0 = 1.4 npm; increpatively).

Plammacolimited color from studies evaluating extended douling use of Lamradole high-clin 120 mp
demonstrated mora sub-dys-state, C<sub>mp</sub>, values between 1.6 and 2.3 mp/m, for the 8- and 6-vecot
teachment interval, respectively.

treatment interval, respectively.

Gastroenferoparcia: Neuroendocrine Tumors
In patients with GEP-NETS treated with Larrestotel hijection 120 mg every 4 weeks, steady
state concentrations were reached after 4 to 5 hijections and the mean trough serum larrectide
concentrations at steady state ranged from 5.3 to 8.6 ng/int.

Specific Progulations

Lancrotide Injection has not been studied in specific populations. However, the pharmacokinetics of lancrotide in renal impaired, hepatic impaired, and geriatric subjects were evaluated after N administration of barretide immediate release formulation (RF) at 7 m/cg/kg dose.

Geratine

Studies in healthy elderly subjects showed an 85% increase in half-life and a 65% increase in mean residence time (MRT) of bancatotic compared to those seen in healthy young subjects; however, there was no change in either ALI OC Copp., distractioned in clederly a compared to healthy young subjects. Aper has no effect on clearance of lariesticis based on spudietion PK analysis in patients with GEP-HET with included 12 syears with increasednost in patients with GEP-HET with included 12 syears with increasednost instruction is burners.

Renal impairment

Read imparament
An approximate 2-fold decrease in total serum clearance of larrectide, with a consequent 2-fold increase in half-life and ALO was observed. Pelleties with accompany and with moderate to severe remail impariment share object representations and approximate soft period programs are sold to severe remail impariment share object in the programs of the consequence of the conseque

regate from parametri in solvere hepotic impairment, a 30% reduction in clearance of lamendative vas observed. Patients with accessingly and with moderate to solvere hepotic impairment should beginn the contention with accessing year with moderate to solvere hepotic impairment should be preceded in place of 50m, a good and house be served us when contenting absents with moderate or severe hepotic impairment for an extended dozing interval of Lamendatie hypotion 120m precede for all preceded in patients with moderate of hepotic impairment on clearance of lamendation has not been studied in patients with GET-NET.

The effect of hepatic impairment on clearance of lamenable has not been studied in patients with GEP-NET.

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14 Carbonyeesesis, Multipanesis, Impairment of Fertility

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with acromogaly was studied in 2 long-term, multiple-door, anotherized, multiconfer studies. Study. 1
This 1-year study included a 4-week, door-level, placebo-controlled plasse; a 16-week single-blind, filed-door plasse; and a 22-week, open-bald, door-chrotined plasse; Patients with active acromogaly, based on bordeniscal tests and mercical history, entired a 12-week washout prior of if there was previous testiment with a controllectar smaller or a documentage large being of the was previous testiment with a controllectar smaller or a documentage large planse of interest to previous the second of the controllectar smallers. Use on strip, patients were narrotherized inspictors (b) or, 100 mg or good before four weeks little patients entered as free-door prese writers they received. I support on 41 amended inspictors by a data-efficient place of 6 and 4-weeks internal, formit per door-deterdance of the study, by edice was fitted to have given four this patient, and the study of the study the color was fitted to have given four this patient, and of 5-1 lovels.

at 4-week inferreis. During the dose-during phase of the abudy, the down was trained hose (every distinct of the control special policy and pol

		Baseline N=107	Before Titration 1 (16 weeks) N=107	Before Titration 2 (32 weeks) N=105	Last Value Available* N=107
GH					
≤5.0 ng/mL	Number of Responders (%)	20 (19%)	72 (67%)	76 (72%)	74 (69%)
≤2.5 ng/mL	Number of Responders (%)	0 (0%)	52 (49%)	59 (56%)	55 (51%)
≤1.0 ng/mL	Number of Responders	0 (0%)	15 (14%)	18 (17%)	17 (16%)

		Baseline N=107	Before Titration 1 (16 weeks) N=107	Before Titration 2 (32 weeks) N=105	Last Value Available* N=107
GH					
Median GH	ng/mL	10.27	2.53	2.20	2.43
GH Reduction	Median % Reduction		75.5	78.2	75.5
IGF-1					
Normal <sup>3</sup>	Number of Responders (%)	9 (8%)	58 (54%)	57 (54%)	62 (58%)
Median IGF-1	ng/mL	775.0	332.0 <sup>1</sup>	316.5 <sup>2</sup>	326.0
IGF-1 Reduction	Median % Reduction	-	52.3	54.5 <sup>2</sup>	55.4
IGF-1 Normal <sup>3</sup> + GH ≤2.5 ng/mL	Number of Responders (%)	0 (0%)	41 (38%)	46 (44%)	44 (41%)

1 n=105, 2n=102, 3Age-adjusted \*Last Observation Carried Forward

### Study 2

Case - Observation Carlot of the Carlot of t

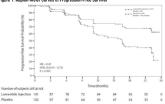
		Baseline N=63	Before Titration 1 (12 wks) N=63	Before Titration 2 (28 wks) N=59	Last Value Available*
IGF-1					
Normal <sup>1</sup>	Number of Responders (%)	0 (0%)	17 (27%)	22 (37%)	27 (43%)
Median IGF-1	ng/mL	689.0	382.0	334.0	317.0
IGF-1 Reduction	Median % Reduction	-	41.0	51.0	50.3
GH					
≤5.0 ng/mL	Number of Responders (%)	40 (64%)	59 (94%)	57 (97%)	62 (98%)
≤2.5 ng/mL	Number of Responders (%)	21 (33%)	47 (75%)	47 (80%)	54 (86 %)
≤1.0 ng/mL	Number of Responders (%)	8 (13%)	19 (30%)	18 (31%)	28 (44%)
Median GH	ng/MI	3.71	1.65	1.48	1.13
GH Reduction	Median % Reduction	-	63.2	66.7	78.6 <sup>2</sup>
IGF-1 normal <sup>1</sup> + GH ≤2.5 ng/mL	Number of Responders (%)	0 (0%)	14 (22%)	20 (34%)	24 (38%)

Get 3-25 signist. Begonders: (0%) (22%) (34%) (38%) (3

	LANREOTIDE ACETATE	Placebo
	n=101	n=103
Number of Events (%)	32 (31.7%)	60 (58.3%)
Median PFS (months)(95% Cf)	NE¹ (NE, NE)	16.6 (11.2, 22.1)
HR (95% CI)	0.47 (0.3)	), 0.73)2
Log-rank p-value	<0.001	

NE = not reached at 22 months

<sup>2</sup> Hazard Ratio is derived from a Cox stratified proportional hazards model Figure 1: Kaplan-Meier Curves of Progression-Free Survival



### 16 HOW SUPPLIED/STORAGE AND HANDLING

Storage and Handling
Store Lanreotide injection in the refrigerator at 2°C to 8°C (36°F to 46°F). Protect from light. Store in the original package

17 PATIENT COUNSELING INFORMATION
Advise the patient to read the FDA-approved patient labeling (Patient Information). Hypersensitivity Reactions
Advise patients to immediately contact their healthcare provider if they experience serious hypersensitivity reactions, such as angioedema or anaphylaxis (see Contraindications (4)).

Cholellibiasis and Correlatations of Cholellibiasis

Alexa potents to contact their neothrous provider if they expensions signs or symptoms of pallstones (cholellibiasis) or complications of qualitoness (e.g., cholecystils, cholengitis, or pancreatins) feer Warnings and Proceedings (F.I).

Hamiltonia and Procedings (F.I).

Hyperglycemia and Hypoglycemia Advise patients to immediately contact their healthcare provider if they experience signs or symptoms of hyper- or hypoghycenia (see Warnings and Precautions (5.2)).

Advise patients to immediately contact their healthcare provider if they experience bradycardia [see Warnings and Precautions (5.3)].

Warmings and Precautions (5.3)].
Throid Function bitnormalities
Advise patients to contact their healthcare provider if they experience signs or syn
hypothyroidism [see Warmings and Precautions (5.4)].

### Laboratory Tests

Advise patients with acromegaly that response to Lanreotide Injection should be monitored by periodic measurements of GH and (GF-1 levels, with a goal of decreasing these levels to the normal range [see Desage and Administration (2.2)]. Lactation

Advise women not to breastfeed during treatment with Lanreotide Injection and for 6 months after the last dose (see Use in Specific Populations (6.2l).

last case (see use in specific Popurations (8.2)).
Infartility
Advise females of reproductive potential of the potential for reduced fertility from Lanreotide Injection
(see Use in Specific Populations (8.3)).

Manufactured by: Pharmathen International S.A. Industrial Park Sapes, Rodopi Prefecture, Block No 5, Rodopi 69300, Greece Manufactured for: Cipia USA Inc. 10 Independence Boulevard, Suite 300 Warren, NJ 07059

Issued: 04/2024

# Patient Information Lanreotide (lan-REE-oh-tide)

Read this Patient Information before you receive your first Lanreotide Injection and before each injection. There may be new information. This information does not take the place of talking with your healthcare provider about your medical condition or your treatment.

- Water last Larcedios bijection is a prescription medicine used for:
  Larreddois bijection is a prescription medicine used for:
   the low-ys herm between of poople with accumpage where.
   suppery or radiotherapy have not worked well except or
   beyon and each to have suspery or ordiotherapy
   they are not deter to have suspery or ordiotherapy
   they have not determined to death was type of cancer ordiometry
   the treatment of death was they are conserved ones an encondecrise tunners, from
   the treatment of section of the prescription (EG-N-EG) that has spread or calmod for named
   served. surgery
  It is not known if Lanreotide injection is safe and effective in children.

Who should not receive Lanreotide Injection?

Do not receive Lanreotide Injection if you are allergic to lanreotide

Do not nocive Lamostolia hijection if you are allorge to barrootice.

What should I tell my healthcare proider before receiving Lamostolia hijection?

What should I tell my healthcare proider before receiving Lamostolia hijection?

The medical conditions, including if you:

I have quilibidiar problems

I have the proplems

I have the proplems

I have the proplems

I have help problems

A many finds to part all have been proprieted. Lamostolia hijection may affect fertility in females

and may affect your ability be become programs. Link it by your healthcase provider if this is a

Call your healthcase provider about all medicines you take, hucking proceptions and other

over-the-counter medicines, visions, and hardal supplements. Lamostolia hijection and dem

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over-the-counter medicines, visions, and hardal supplements. Lamostolia hijection and dem over-the-counter medicines, vitamins, and herbal suppliments. Lamerolde lipication and other medicine may affect such other, causing side effects. Lamerolde lipication may affect the without medicines work, and other medicines may affect frow Lamerolde lipication vortex. Your done of Lamerolde lipication of your other medicines may affect to be Lamerolde. Eleption vortex. Your done Especially sell your healthcare provider if you take: in sulfan of their disletter medicines - optologypines (picergot, fleerold or Sandimunus) - medicines that two your best and sell so such as beta blockers

- How will I recover a Larreddie legicituri every 4 weeks in your healthcare provider's office

  \* You will receive a Larreddie legicituri every 4 weeks in your healthcare provider's office

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What should I avoid while receiving Lanreotide Injection? Lanreotide Injection can cause dizziness. If you have dizziness, do not drive a car or operate

machinery.

What are the possible side effects of Lanreolide injection?

Lanreolide injection may cause serious side effects, including:

- Gallstone (chaelithiasis) and complications that can happen if you have gallstones closelations are a serious but common time feeling in popule with self-Lanrodde legication and can be also also common time feeling in popule with the Lanrodde legication and activity to the common time feeling in popular and during beatment with Lanrodde legication. Possible complications of gallstones including you got any symptoms of gallstones, including:

- sucked pain in your upper right stamula have lipitones)

- yellowing of your skin and whites of your eyes

- nauses

- Silvent pain in your injured. The first with the first with the first with this first with the f

If your healthcare provider right away if you have en-ygar or low blood sugar, and symploms of high blood sugar may include: increased thirs: increased specific increased appetite inc

- and symptoms of low blood sugar may include: dizziness or lightheadedness

- dizziness or lightheadednes blurred vision fast heartbeat sweating slurred speech irritability or mood changes confusion shakiness bunger

- hodacides
   Stew heart rate. Tell year healthcare provider right away if you have slewing of your heart rate or if you have symptoms of a slow heart rate, including: diccrises or lightheaderises
   failting or neer-faming
   chet pain
   astronger or neer faming
   stortings of breath
   constained on memory problems

comusion or memory proteins
 weakness, there it tediness
 High blood pressure.
 blood pressure an happen in people who receive Larrentide Injection and is a common effect in people with GEP-NET.

Changes in thyroid function. Larreotide Injection can cause the thyroid gland to no make enough throid hormones that the body needs (hypothyrioidism) in people who have accompagily Tell your healthcare provider if you have signs and symptoms of low thyroid hormones levels, including:

decreased sweating

 heing cold all of the time
 thinning, dry hair o fatigue constination

 a puffy face ° dry skin depression The most common side effects of Lanreotide Injection in people with acromegaly include

The most common side effects of Larreotide injection in people with accompagn include:

distribution are (addominal) pain pain in Josepha or Jo

hese are not all the possible side effects of Lanreotide Injection, Call your doctor for movice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

General information about the safe and effective use of Lamentide injection.

deficience as expending secretively or produce on the control of the production of the control of the contro

what are the ingredients in Lanreotide Injection?

Active ingredient: lanreotide acetate
nactive ingredients: water for injection and acetic acid (for pH adjustment)

Manufactured by: Pharmathen Infernational S.A., Rodopi, Greece Manufactured for: Cloid USA, Inc., 10 Independence Boulevard, Suite 300, Warren, NJ 07059 For more information, go to www.ciplausa.com or call Clpla Ltd., at 1-866-604-3268

weight gain

This Patient Information has been approved by the U.S. Food and Drug Administration SAP Code: 99349731