

LAI Product-Specific Administration Review

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Learning Objectives

- Review administration instructions for LAI antipsychotics and medications for substance use disorders
- Compare and contrast how the administration techniques are similar or different for the different LAI medications.
- Demonstrate the use sterile injection techniques and best practices in the administration of different LAI products



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Disclosure

- Dr. Rickles is a consultant of the Boehringer-Ingelheim. There are no conflicts of interest with any companies or their products being presented today.
- Dr. Waters is a consultant with Johnson & Johnson. She will discuss all drugs without bias. All financial interests with ineligible companies (as noted) have been mitigated.



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Refer to Package Inserts

- Please always refer to instructions in up-to-date package inserts prior to administering any LAI medication.

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LAIAs

Generic Antipsychotic	Brand Name
Aripiprazole monohydrate	Abilify Maintena, Abilify Asimtufii
Aripiprazole lauroxil	Aristada, Aristada Initio
Fluphenazine decanoate	Prolixin Decanoate
Haloperidol decanoate	Haldol Decanoate
Olanzapine pamoate	Zyprexa Relprevv
Paliperidone palmitate	Invega Sustenna, Invega Trinza, Invega Hafyera, Erzofri
Risperidone	Risperdal Consta, Uzedly

LAI Opioid Antagonists

Generic	Brand Name
Buprenorphine	Sublocade, Brixadi
Naltrexone	Vivitrol

Long-Acting Injectable Antipsychotics

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Aripiprazole Monohydrate

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Abilify Maintena

Package Contents (single-dose syringe)

Always inspect package contents to ensure all necessary components are included

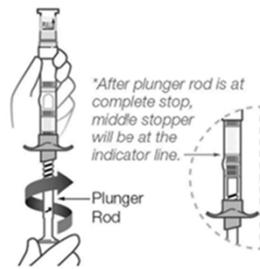
- One Abilify Maintena prefilled dual chamber syringe containing lyophilized powder and sterile water for injection
- One 23 gauge, 1 inch hypodermic safety needle
- One 22 gauge, 1.5 inch hypodermic safety needle
- One 21 gauge, 2 inch hypodermic safety needle

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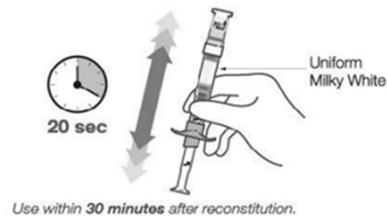
Abilify Maintena

Preparation (single-dose syringe)

1. Push the plunger rod slightly and rotate fully. At this point, the stopper should be at the indicator line.



2. Shake the syringe, vertically and vigorously for 20 seconds, until the drug appears uniform and milky-white.



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Abilify Maintena

Administration (single-dose syringe)

1. Select the proper needle size by injection site and patient body type

Body Type	Injection Site	Needle Size	
 Non-obese	Deltoid	1 inch (23G)	
	Gluteus	1.5 inch (22G)	
 Obese	Deltoid	1.5 inch (22G)	
	Gluteus	2 inch (21G)	

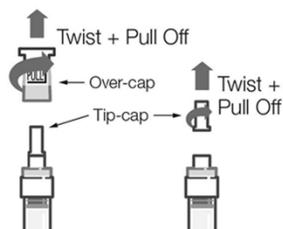
- Patients considered obese: BMI ≥ 30 kg/m²

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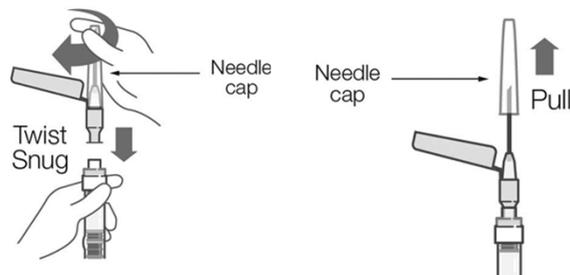
Abilify Maintena

Administration (single-dose syringe)

1. Twist and pull off Over-cap and Tip-cap



2. While holding needle cap, ensure needle is firmly seated on the safety device with a push. Twist clockwise until snugly fitted then pull needle-cap straight up.

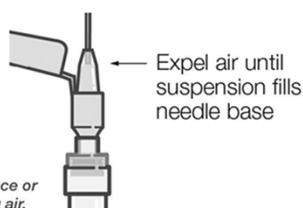


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Abilify Maintena

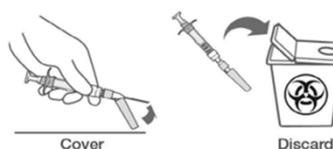
Administration (single-dose syringe)

3. Hold syringe upright and advance plunger rod slowly to expel the air.



**If there's resistance or difficulty expelling air, Check that plunger rod is rotated to a complete stop.*

4. Slowly inject the appropriate muscle. When finished, engage the needle safety and appropriately dispose of all kit components.



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Abilify Maintena

Package Contents (vial)

- One vial of Abilify Maintena lyophilized powder
- One 5 mL vial of sterile water for injection
- One 3 mL luer lock syringe with pre-attached 21 gauge, 1.5 inch hypodermic safety needle
- One 3 mL luer lock disposable syringe
- One vial adapter
- One 23 gauge, 1 inch hypodermic safety needle
- One 22 gauge, 1.5 inch hypodermic safety needle
- One 21 gauge, 2 inch hypodermic safety needle

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Abilify Maintena

Preparation (vial)

1. Determine the volume of sterile water needed to reconstitute the injection (Note: there will be some sterile water left over).
 - a. 300 mg vial = 1.5 mL sterile water for injection
 - b. 400 mg vial = 1.9 mL sterile water for injection
2. Remove the vial caps of both the sterile water for injection and Abilify Maintena lyophilized powder vials. Wipe both tops with a sterile alcohol swab.

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Abilify Maintena

Preparation (vial)

3. Using the provided syringe with pre-attached needle, withdraw the necessary amount of sterile water for injection into the syringe.
4. Slowly inject the drawn sterile water into the vial containing the Abilify Maintena lyophilized powder.



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Abilify Maintena

Preparation (vial)

5. Withdraw air from the vial to equalize pressure by pulling back slowly on the plunger. Remove the needle from the vial, engage needle safety, and properly discard.



6. Shake the reconstituted vial vigorously for 30 seconds, until the suspension is uniform.



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Abilify Maintena (aripiprazole) [prescribing information]. Rockville, MD: Otsuka America Pharmaceutical Inc; June 2020.

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Abilify Maintena

Preparation for Injection (vial)

1. Remove the cover from the vial adapter package. Do NOT remove the adapter from the packaging.



2. Attach the provided luer lock syringe to the vial adapter.



3. Remove the vial adapter from the package using the syringe. Do not touch the adapter spike tip.



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Abilify Maintena (aripiprazole) [prescribing information]. Rockville, MD: Otsuka America Pharmaceutical Inc; June 2020.

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Abilify Maintena

Preparation for Injection (vial)

4. Determine the volume of injection based on the designated dose

Dose	Volume to Inject
400 mg	2 mL
300 mg	1.5 mL
200 mg	1 mL
160 mg	0.8 mL

5. Wipe the top of the suspension with a sterile alcohol swab

Abilify Maintena

Preparation for Injection (vial)

6. With the vial placed on a hard surface, attach the adapter-syringe to the vial by pushing through the rubber stopper until the adapter snaps in place.



7. Slowly withdraw the predetermined volume for injection from the vial into the syringe. A small amount of excess leftover is expected.



Abilify Maintena

Administration (vial)

1. Detach the now filled luer lock syringe from the Abilify Maintena vial.
2. Select the appropriate needle size based on injection site and patient body type.
 - a. See needle size selections, slide 14.
3. Attach the needle by pushing and twisting clockwise until secure.
4. Slowly inject into the deltoid or gluteal muscle.
5. Engage needle safety and dispose of all components.

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Abilify Maintena

Administration (vial)

If the Abilify Maintena vial is not administered immediately after reconstitution...

- Reconstituted vial may be kept below 25°C for up to 4 hours.
- Never store reconstituted suspension in a syringe.
 - Wait until time of administration to draw dose.
- Shake the vial vigorously for 60 seconds to resuspend before drawing dose.

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Abilify Asimtufii

Package Contents

Always inspect package contents to ensure all necessary components have been included

- One Abilify Asimtufii prefilled syringe
- One 22 gauge, 1.5 inch hypodermic safety needle (black packaging)
- One 21 gauge, 2 inch hypodermic safety needle (green packaging)

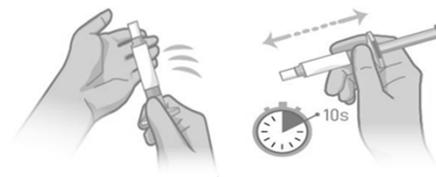
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Abilify Asimtufii

Preparation

1. Determine the appropriate needle size for your patient
 - a. For non-obese patients: 22 gauge, 1.5 inch
 - b. For obese patients: 21 gauge, 2 inch needle

2. Tap the syringe at least 10 times on the palm of a hand, then shake vigorously for at least 10 seconds (until uniform).

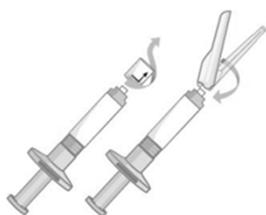


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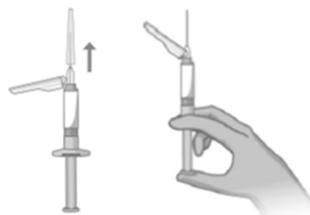
Abilify Asimtufii

Preparation

3. Twist and pull to remove the syringe tip cap. Attach preselected needle by pushing and twisting clockwise until secure.



4. Holding the syringe upright, remove the needle cap and expel air by slowly advancing the plunger rod until suspension fills the needle base.



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Abilify Asimtufii (aripiprazole) [prescribing information]. Rockville, MD: Otsuka America Pharmaceutical Inc; April 2023.

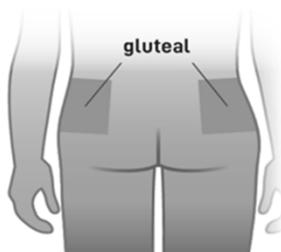
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Abilify Asimtufii

Administration

Slowly inject the entire contents of the syringe intramuscularly into the gluteal muscle.

- The gluteal muscle is the **ONLY** administration site for Abilify Asimtufii



After administration, engage the needle's safety shield and discard appropriately.

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Abilify Asimtufii (aripiprazole) [prescribing information]. Rockville, MD: Otsuka America Pharmaceutical Inc; April 2023.

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Aripiprazole Lauroxil

Aristada

Package Contents

- One Aristada/Aristada Initio prefilled syringe
- 2-3 needles, depending on dosage pack
 - One 20 gauge, 2 inch safety needle
 - One 20 gauge, 1.5 inch needle
 - One 21 gauge, 1 inch needle

Aristada

Preparation

1. Select the appropriate needle size based on injection site and patient body type

Injection Site	Needle Length
441 mg dose and Aristada Initio (675 mg)	
Deltoid	21 gauge, 1 inch, or 20 gauge, 1.5 inch
Gluteal	20 gauge, 1.5 inch or 20 gauge, 2 inch
662, 882, and 1064 mg doses	
Gluteal only	20 gauge, 1.5 inch or 20 gauge, 2 inch

For patients with a larger amount of subcutaneous tissue, use the longer of the two needle options.

Aristada

Preparation

2. Tap the syringe against the palm of a hand at least 10 times. Then, shake vigorously for at least 30 seconds until the suspension is uniform.



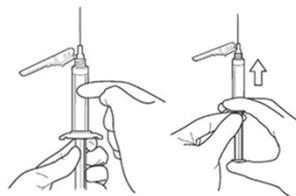
Aristada

Preparation

3. Attach the appropriate injection needle securely with a clockwise twist.



4. Holding the syringe upright, tap out air bubbles. Expel additional air by slowly advancing the plunger rod until a few days are released.

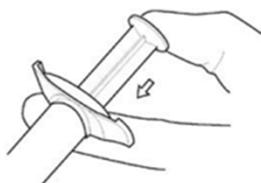


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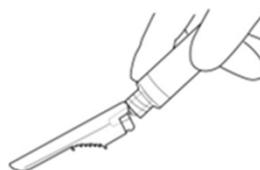
Aristada

Administration

1. Inject the entire contents of the syringe intramuscularly in a **RAPID** and **CONTINUOUS** manner. Do not hesitate.



2. Engage the needle's safety by pressing it against a hard surface. Properly dispose of all used and unused components.



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Fluphenazine Decanoate

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Prolixin Decanoate

Package Contents

Generics manufactured by several companies,
typically comes in 5 mL multidose vials (25
mg/mL)

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Prolixin Decanoate

Administration

- Always inspect vials for particulate matter prior to administration.
- May be given intramuscularly or subcutaneously
 - Intramuscular injection in the gluteal muscle preferred, although deltoid has been studied.
- Use a dry syringe and needle of ≥ 21 gauge.

Haloperidol Decanoate

Haldol Decanoate

Package Contents

- Haldol decanoate 50: 3 x 1 mL ampules
- Haldol decanoate 100: 5 x 1 mL ampules

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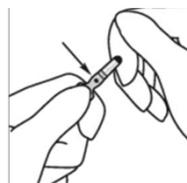
Haldol Decanoate

Preparation

1. Before opening the ampule, lightly tap the top of the ampule with your finger until all fluid moves to the bottom of the ampule.



2. Hold the ampule between a thumb and index finger with the colored point facing you.



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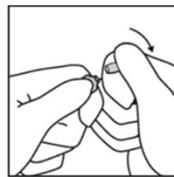
Haldol Decanoate

Preparation

3. Using the index finger of the other hand, support the neck of the ampule. Position the thumb so that it covers the colored point and is parallel to the colored rings.



4. Apply firm pressure on the colored point in the direction of the arrow to snap the ampule open.



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Olanzapine Pamoate

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Zyprexa Relprevv

Package Contents

- One single dose vial of Zyprexa Relprevv powder
- One 3 mL vial of diluent
- One 3 mL syringe with preattached 19 gauge, 1.5 inch Hypodermic Needle-Pro® needle with needle protection device
- Two 19 gauge, 1.5 inch Hypodermic Needle-Pro needles with needle protection device

Zyprexa Relprevv

Preparation

It is recommended to wear gloves when reconstituting Zyprexa Relprevv as it can be irritating to skin

1. Determine the volume of diluent based on the vial strength

Vial Strength	Volume of Diluent
210 mg	1.3 mL
300 mg	1.8 mL
405 mg	2.3 mL

Zyprexa Relprevv

Preparation

2. Loosen the Zyprexa powder by lightly tapping the vial.
3. Open the pre-packaged syringe with pre-attached needle.
4. Withdraw the predetermined diluent volume into the syringe.
5. Inject the diluent into the powder vial.

Zyprexa Relprevv

Preparation

6. Withdraw air to equalize pressure in the vial by pulling back slightly on the syringe plunger.
7. Remove the needle from the vial while holding the vial upright to prevent any loss of material.
8. Engage the needle safety device.
9. Remove the needle and dispose.

Zyprexa Relprevv

Preparation

10. Pad a hard surface and tap the vial firmly and repeatedly on the surface until powder is no longer visible.



11. Visually inspect the vial for clumps. If large clumps remain, continue tapping until suspended.



12. Shake the vial vigorously until the suspension is uniform. It should be yellow and opaque.



Zyprexa Relprevv

Preparation

- If foam forms, let the vial sit until it dissipates.
- If the product is not administered right away, shake vigorously to resuspend prior to administration.
- Reconstituted suspension may be stored at stable room temperature for up to 24 hours.
- Once the suspension has been removed from the vial, it should be injected immediately.

Zyprexa Relprevv

Administration

1. Determine the volume to inject based on dose.
Suspension concentration is 150 mg/mL.

Dose	Volume to Inject
150 mg	1 mL
210 mg	1.4 mL
300 mg	2 mL
405 mg	2.7 mL

Zyprexa Relprevv

Administration

2. Attach a new safety needle to the syringe.
3. Slowly withdraw the desired amount of product into the syringe.
4. Engage the needle safety device and remove the needle from the syringe.
5. Attach the last provided safety needle (19 gauge, 1.5 inch). For obese patient a 2 inch needle (19 gauge or larger, not included) may be used.

Zyprexa Relprevv

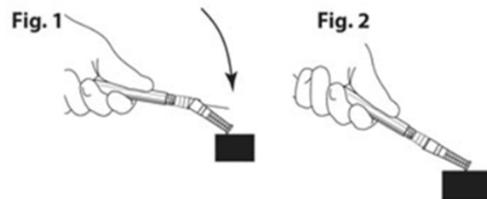
Administration

6. Insert needle into the gluteal muscle. Aspirate for several seconds to ensure no blood appears.
 - If any blood is drawn into the syringe, discard and begin with a new convenience kit.
7. Inject the full contents of the syringe intramuscularly into the gluteal muscle. Ensure to use steady, continuous pressure.

Zyprexa Relprevv

Administration

8. Engage the needle safety device.
9. Dispose of all kit components appropriately.



Paliperidone Palmitate

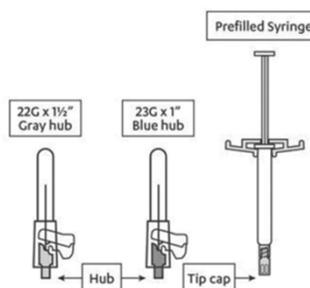
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Invega Sustenna

Package Contents

- One Invega Sustenna prefilled syringe
- One 22 gauge, 1.5 inch safety needle (gray hub)
- One 23 gauge, 1 inch safety needle (blue hub)



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Invega Sustenna (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2009. Revised July, 2018.

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Invega Sustenna

Preparation

1. Select the appropriate needle size by injection site and patient weight

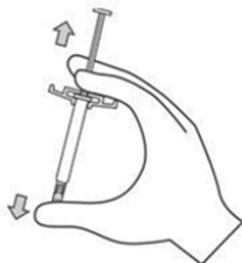
Injection Site	Patient Weight	Needle Size
Deltoid	< 90 kg	23 gauge, 1 inch
	≥ 90 kg	22 gauge, 1.5 inch
Gluteal	N/A	22 gauge, 1.5 inch

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Invega Sustenna

Preparation

2. Shake the syringe vigorously for at least 10 seconds, until the suspension is uniform.



3. While holding the syringe upright, twist the rubber cap clockwise to remove.

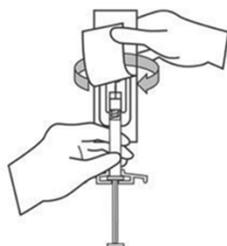


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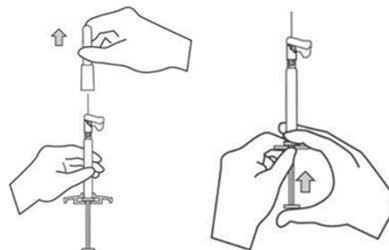
Invega Sustenna

Preparation

4. Peel the safety needle pouch halfway open. Holding the needle sheath by the plastic peel pouch, attach the syringe to the needle by twisting clockwise.



5. Holding the syringe upright, remove the needle sheath with a straight pull. Remove excess air from the syringe by advancing the plunger rod carefully. Do not twist the needle sheath.



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Invega Sustenna (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2009. Revised July, 2018.

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Invega Sustenna

Administration

1. Inject the entire contents into the designated muscle slowly.
 - a. Invega Sustenna may be administered in either the deltoid or gluteal muscle
2. After administration, engage the needle protection system until a click is heard.
3. Discard of the used syringe and needle appropriately.



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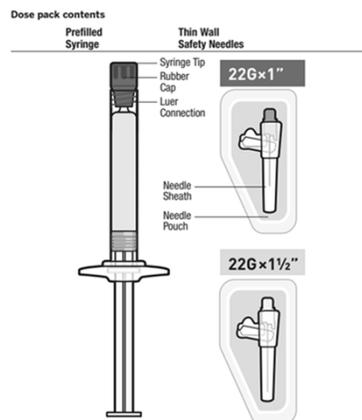
Invega Sustenna (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2009. Revised July, 2018.

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Invega Trinza

Package Contents

- One Invega Trinza prefilled syringe
- One 22 gauge, 1 inch safety needle (pink hub)
- One 22 gauge, 1.5 inch safety needle (yellow hub)



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Invega Trinza

Preparation

1. Select the appropriate needle size by injection site and patient weight

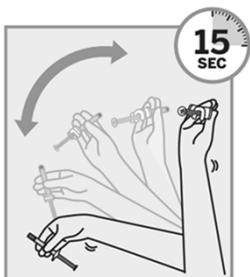
Injection Site	Patient Weight	Needle Size
Deltoid	< 90 kg	22 gauge, 1 inch
	≥ 90 kg	22 gauge, 1.5 inch
Gluteal	N/A	22 gauge, 1.5 inch

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Invega Trinza

Preparation

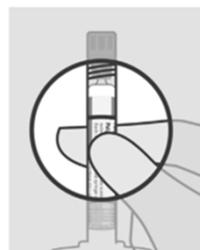
2. Shake the syringe vigorously for at least 15 seconds.



If not administered within 5 minutes, shake for another 15 seconds prior to administration.

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3. Check the suspension in the viewing window. It should appear uniform and milky white in color.



It is normal to see small air bubbles.

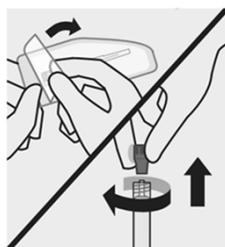
Invega Trinza (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2015. Revised July, 2018.

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Invega Trinza

Preparation

4. Peel open the needle pouch half way and remove the rubber syringe cap by twisting clockwise.



5. Holding the needle sheath through the pouch, attach the needle to the syringe by twisting clockwise until secure.



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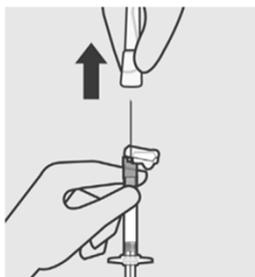
Invega Trinza (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2015. Revised July, 2018.

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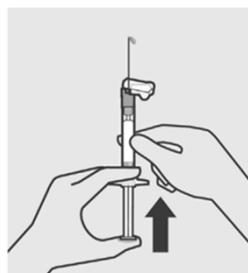
Invega Trinza

Preparation

6. Holding the syringe upright, remove the needle sheath with a straight pull.



7. Remove excess air from the syringe by advancing the plunger rod carefully.



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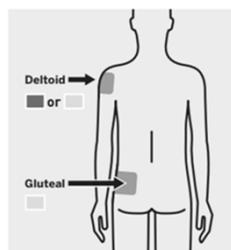
Invega Trinza (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2015. Revised July, 2018.

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Invega Trinza

Administration

1. Slowly inject the entire syringe contents in the deltoid or gluteal muscle.



2. After administration, engage the needle protection system until a click is heard. Discard appropriately.



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Invega Trinza (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2015. Revised July, 2018.

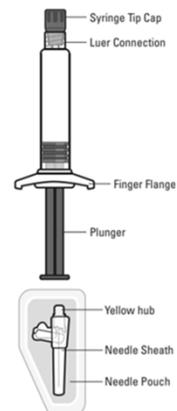
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Invega Hafyera

Package Contents

- One Invega Hafyera prefilled syringe
- One 20 gauge, 1.5 inch safety needle

Dose pack contents
Prefilled Syringe



Thin Wall Safety Needle



20G x 1½"
Only use the needle included in this kit

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Invega Hafyera (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2021.

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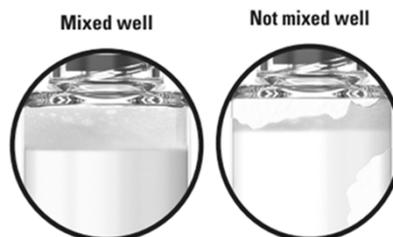
Invega Hafyera

Preparation

1. Shake the syringe **VERY FAST** for at least 15 seconds. Rest briefly, then shake for another 15 seconds.



2. Check the suspension for solid product. If not properly suspended, repeat step 1.



If not administered within 5 minutes, shake for another 30 seconds prior to administration.

UConn SCHOOL OF PHARMACY

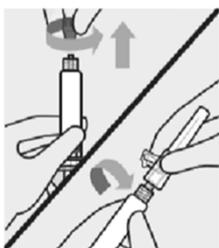
Invega Hafyera (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2021.

64

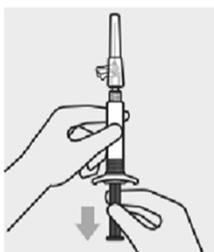
Invega Hafyera

Preparation

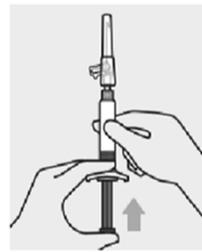
3. Remove the rubber syringe tip cap with a twist. Attach the provided needle by twisting clockwise until secure.



4. While holding the syringe upright, gently pull back the plunger to clear the syringe tip of any solid product.



5. Remove excess air by advancing the plunger until a drop of liquid comes out of the needle tip.



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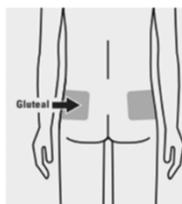
Invega Hafyera (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2021.

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Invega Hafyera

Administration

1. Remove the needle sheath from the needle with a pull. Do not twist.
2. Slowly inject the entire contents of the syringe into the gluteal muscle.
 - a. The gluteal muscle is the ONLY site of administration for Invega Hafyera
 - b. To confirm complete administration, use slow, firm, constant pressure on the plunger for about 30 seconds. The feel of some resistance is normal.



1. Secure the needle safety device with a 'click' and properly dispose.

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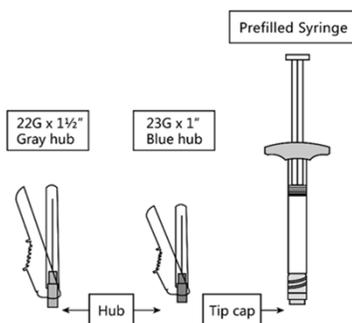
Invega Hafyera (paliperidone) [prescribing information]. Titusville, NJ: Janssen Pharmaceuticals, Inc. 2021.

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Erzofri

Package Contents

- 1 prefilled syringe
- 1 safety needle (22 gauge, 1.5-inch, gray hub)
- 1 safety needle (23 gauge, 1-inch, blue hub)



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Erzofri [package insert], Luye Innomind Pharma Shijiazhuang Co., Ltd. 2024

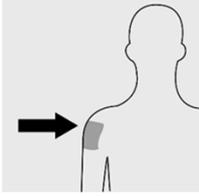
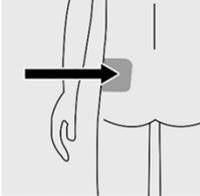
67

Erzofri

Preparation

Select appropriate needle and site.

Step 1. Select Needle

For Deltoid injection	For Gluteal injection
	
<p>If the patient weighs less than 90 kg, use the 1-inch 23 gauge needle (needle with blue colored hub)</p> <p>If the patient weighs 90 kg or more, use the 1 ½-inch 22 gauge needle (needle with gray colored hub)</p>	<p>Use the 1 ½-inch 22 gauge needle (needle with gray colored hub) regardless of patient's weight</p>

UConn SCHOOL OF PHARMACY

Erzofri [package insert], Luye Innomind Pharma Shijiazhuang Co., Ltd. 2024

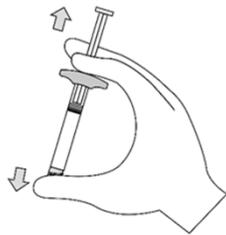
68

Erzofri

Preparation

1. Open needle pouch
2. Shake vigorously for ≥ 10 seconds then remove cap while holding syringe upright

b. Shake vigorously for at least 10 seconds



c. Remove cap



UConn SCHOOL OF PHARMACY

Erzofri [package insert], Luye Innomind Pharma Shijiazhuang Co., Ltd. 2024

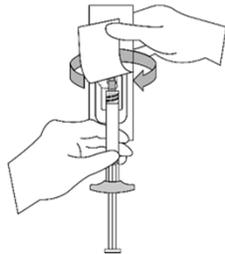
69

Erzofri

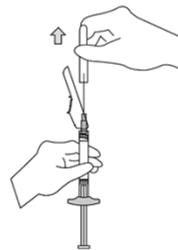
Preparation

3. Attach needle, remove needle sheath, and remove air bubbles

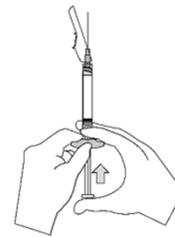
d. Attach needle



e. Remove needle sheath



f. Remove air bubbles



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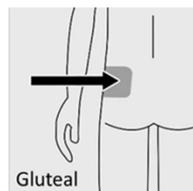
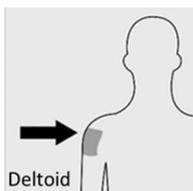
Erzofri [package insert], Luye Innomind Pharma Shijiazhuang Co., Ltd. 2024

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Erzofri

Administration

- Inject entire contents intramuscularly slowly, deep into selected deltoid or gluteal muscle



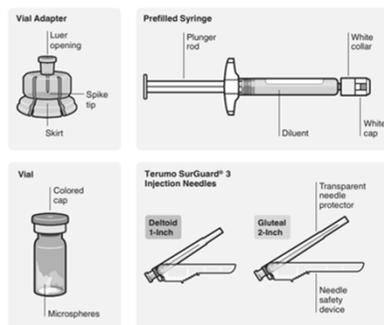
- After injection, secure needle and dispose properly

Risperidone

Risperdal Consta

Package Contents

- One vial adapter
- One prefilled syringe with diluent
- One Risperdal Consta vial for reconstitution
- One 21 gauge, 1 inch safety needle
- One 20 gauge, 2 inch safety needle



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Risperdal Consta

Preparation

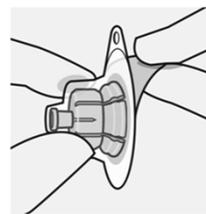
1. Remove Risperdal Consta pack from the refrigerator and allow to sit at room temperature for a least 30 minutes before reconstituting.



2. Remove the cap from the vial and wipe the top of the stopper with an alcohol swab.



3. Open the vial adapter packaging by peeling off the paper backing. Do not remove the vial adapter from the blister.



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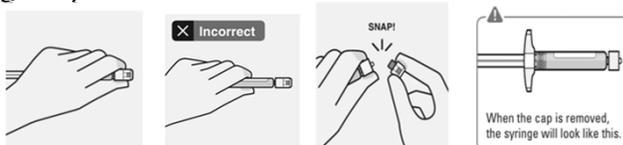
Risperdal Consta

Preparation

4. With the vial placed on a hand surface, connect the vial adapter to the vial by pushing the spike tip through the rubber stopper. After the adapter is secure the blister can be removed.



5. While holding the syringe by the white collar at the tip, snap off the white syringe cap. Do not twist or cut off.



UConn SCHOOL OF PHARMACY

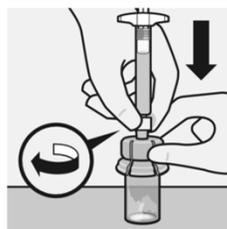
Risperdal Consta (risperidone) [prescribing information], Titusville, NJ: Janssen Pharmaceuticals, Inc. 2007.

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Risperdal Consta

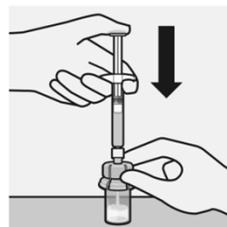
Preparation

6. Connect the syringe to the vial adapter by holding the syringe by the white collar and twisting clockwise until secure.



Do not over-tighten.

7. Inject the entire amount of diluent from the syringe into the vial. Keep holding the plunger rod down with a thumb.



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Risperdal Consta (risperidone) [prescribing information], Titusville, NJ: Janssen Pharmaceuticals, Inc. 2007.

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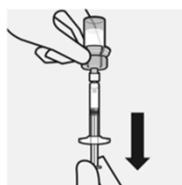
Risperdal Consta

Preparation

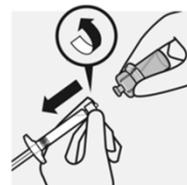
8. While continuing to hold down the plunger rod, shake vigorously for at least 10 seconds to suspend the microspheres.



9. Invert the vial and slowly pull the plunger rod to withdraw the entire vial contents into the syringe.



10. Remove the syringe from the vial adapter while holding it by the white collar of the syringe.



UConn SCHOOL OF PHARMACY

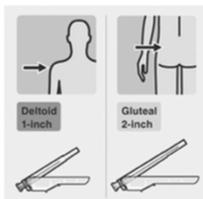
Risperdal Consta (risperidone) [prescribing information], Titusville, NJ: Janssen Pharmaceuticals, Inc. 2007.

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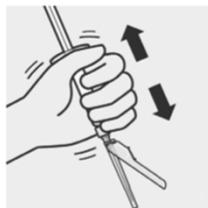
Risperdal Consta

Administration

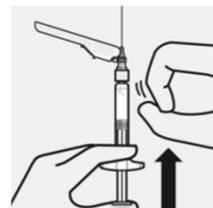
1. Select and attach the appropriate needle by injection site. Holding the syringe by the white collar, twist clockwise onto the needle until secure.



2. Just before injection, shake the syringe vigorously once again to resuspend any microspheres that may have settled.



3. Remove the needle cap and expel air bubbles by pushing the plunger rod upwards.



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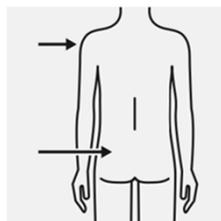
Risperdal Consta (risperidone) [prescribing information], Titusville, NJ: Janssen Pharmaceuticals, Inc. 2007.

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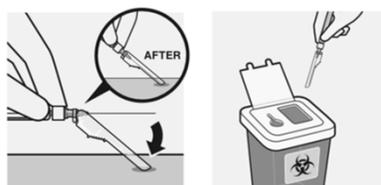
Risperdal Consta

Administration

4. Inject the entire contents of the syringe intramuscularly. Risperdal Consta may be administered in the gluteal or deltoid muscle.



5. Secure the needle in the safety device by pressing it down on a hard, flat surface and dispose appropriately.

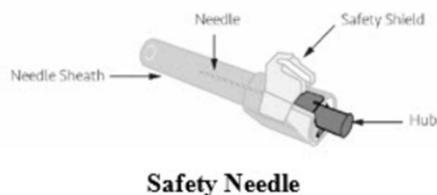
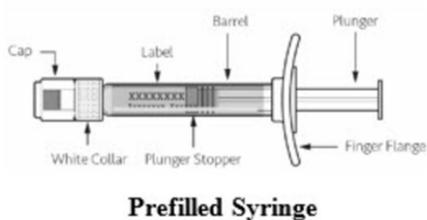


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Uzedy

Package Contents

- One Uzedy single-dose, prefilled glass syringe
- One 21 gauge, $\frac{5}{8}$ inch needle



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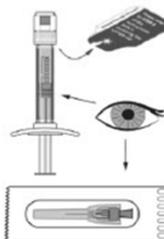
Uzedy

Preparation

1. Remove Uzedy from the refrigerator and allow to sit at room temperature for at least 30 minutes.



2. Check that the suspension is opaque, white to off-white in color, and free from any particulate matter. Check that the appropriate needle is provided.



UConn SCHOOL OF PHARMACY

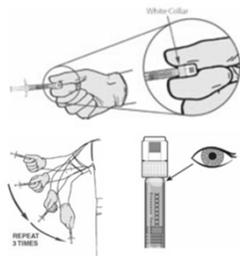
Uzedy (risperidone) [prescribing information]. Parsippany, NJ: Teva Pharmaceuticals, Inc. 2025.

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Uzedy

Preparation

3. While holding the syringe firmly by the white collar, flick the syringe forcefully downward in a whipping motion. Do this 3 times, until the air bubble is at the cap of the syringe.



4. Holding the syringe by the white collar, snap off the cap. Attach the provided needle with a twist until it is secure. Ensure that the hub has not been damaged.



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Uzedy (risperidone) [prescribing information]. Parsippany, NJ: Teva Pharmaceuticals, Inc. 2025.

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Uzedy

Administration

1. Choose the injection site.
Uzedy may be administered **SUBCUTANEOUSLY** in the abdomen or back of the upper arm.

 - a. Choose a site with adequate subcutaneous tissue that is free of skin conditions.
 - b. Do not inject into an area in which the skin is irritated, reddened, bruised, or scarred.

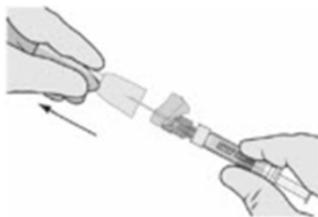


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Uzedy

Administration

2. Remove the needle sheath with a pull. **Do not** expel the air bubble.
3. Pinch at least 1 inch of the area of skin.

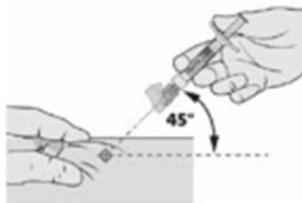


84

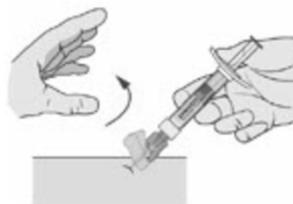
Uzedy

Administration

4. Insert the needle into the subcutaneous tissue at a 45° angle.



5. Release the pinched skin once the needle is inserted fully.



UConn SCHOOL OF PHARMACY

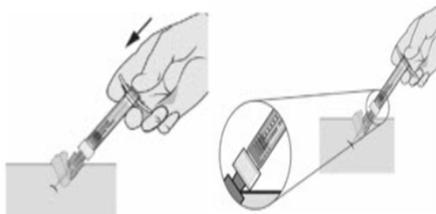
Uzedy (risperidone) [prescribing information]. Parsippany, NJ: Teva Pharmaceuticals, Inc. 2025.

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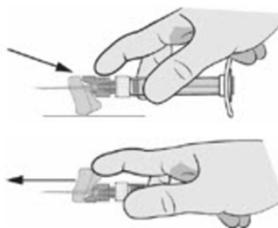
Uzedy

Administration

6. Inject the entire contents of the syringe with a slow, firm, and steady push.



7. Two to three seconds after entire dose is delivered, remove the needle. Engage the needle safety and discard.



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Uzedy (risperidone) [prescribing information]. Parsippany, NJ: Teva Pharmaceuticals, Inc. 2025.

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LAI Medications for SUDs

Buprenorphine

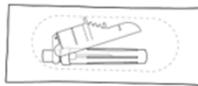
Sublocade

Package Contents

- One Sublocade prefilled syringe
- One safety needle



syringe

safety
needle

Sublocade

Preparation

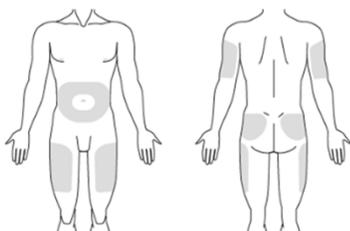


1. Remove Sublocade from refrigerator and let sit at room temperature for ≥ 15 minutes
 - a. Can be left at room temperature for up to 12 weeks
2. Remove from foil pouch and discard oxygen absorber pack.
3. Check the suspension for contaminants or particles. It may be colorless, yellow, or amber in color.
4. Attach safety needle

Sublocade

Administration

1. Sublocade may be administered subcutaneously in the abdomen, back of upper arm, buttock, or thigh in an area where skin is free from irritation or damage of any kind.



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2. Hold the syringe upright and allow air bubbles to rise. Remove the needle cover and expel air by slowly depressing the plunger. Small bubbles may remain.



Sublocade (buprenorphine) [prescribing information]. Richmond, VA: Indivior, Inc. 2023.

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Sublocade

Administration

3. Pinch the skin around the injection site, lifting the adipose tissue from the underlying muscle.



4. Insert the needle fully into the subcutaneous tissue. Inject the full contents with a slow, steady push of the plunger.



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Sublocade (buprenorphine) [prescribing information]. Richmond, VA: Indivior, Inc. 2023.

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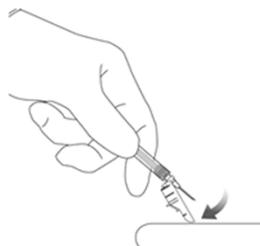
Sublocade

Administration

5. Withdraw the needle using the same angle in which it was administered. Do not massage the injection site.



6. Lock the needle guard into place by pushing it against a hard surface and discard.



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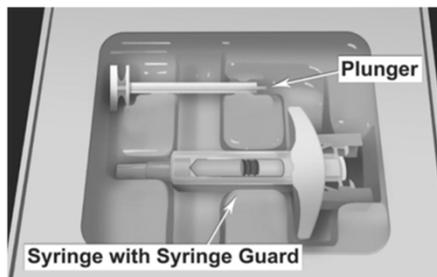
Sublocade (buprenorphine) [prescribing information]. Richmond, VA: Indivior, Inc. 2023.

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Brixadi

Package Contents

- One Brixadi prefilled safety syringe
- One syringe plunger (not attached)



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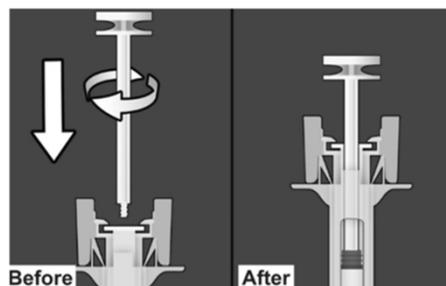
Brixadi (buprenorphine) [prescribing information]. Plymouth Meeting, PA: Braeburn, Inc. 2023.

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Brixadi

Preparation

- To assemble the safety syringe, hold the syringe guard body and insert the plunger into the body of the syringe.
- Rotate clockwise until the plunger is attached to the stoppe inside the syringe.
- Brixadi suspension should be clear and yellowish to yellow in color. A small air bubble may be visible.



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Brixadi (buprenorphine) [prescribing information]. Plymouth Meeting, PA: Braeburn, Inc. 2023.

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Figure 1.

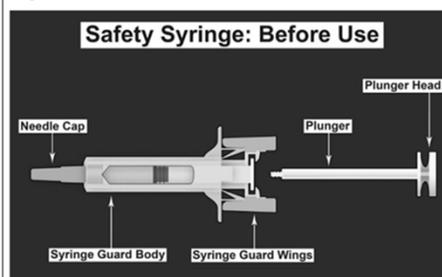
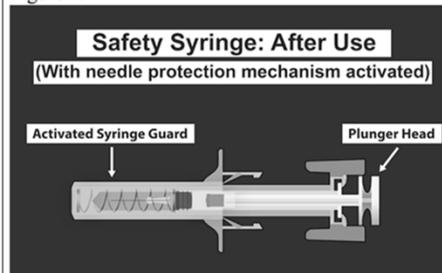


Figure 2.



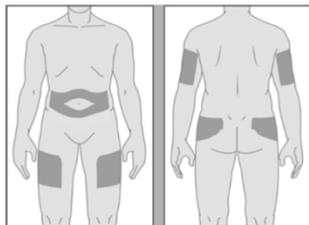
Brixadi (buprenorphine) [prescribing information]. Plymouth Meeting, PA: Braeburn, Inc. 2023.

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Brixadi

Administration

1. Select an injection site. Brixadi is to be administered subcutaneously in the abdomen, thigh, upper arm, or buttock.



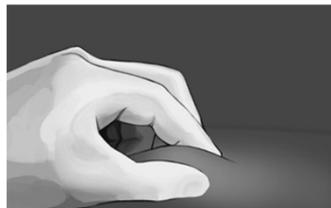
- a. Brixadi (weekly) should not be administered to the same injection site for at least 8 weeks, no injection site rotation required for Brixadi monthly.
- b. In patients not currently receiving buprenorphine treatment, for Brixadi weekly, the upper arm site should only be used after steady-state has been achieved (4 consecutive doses).

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Brixadi

Administration

1. Remove the needle cap from the syringe by pulling straight off.
2. Pinch the skin at the injection site as shown.

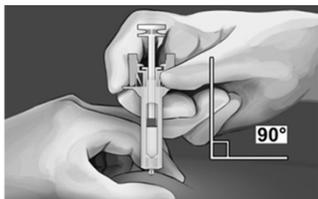


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Brixadi

Administration

3. Continuing to pinch the skin, insert the needle at a 90° angle. Once fully inserted, release the skin.



4. Inject the full contents of the syringe by slowly pressing the plunger until it latches in the safety device 'wings.' Hold the plunger down for two seconds.



99

Brixadi

Administration

5. Keeping the plunger fully depressed while you do so, gently remove the needle from the skin.



6. Remove your thumb from the plunger slowly and allow the syringe guard to automatically cover the needle. Dispose.



100

Naltrexone

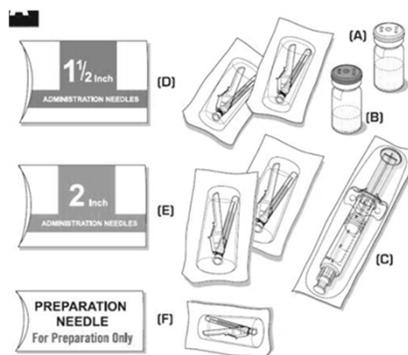
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Vivitrol

Package Contents

- One vial of diluent
- One vial of Vivitrol microspheres for reconstitution
- One syringe
- One Terumo® 1 inch, 20 gauge preparation needle
- Two Terumo® 1.5 inch, 20 gauge needles with protection device
- Two Terumo® 2 inch, 20 gauge needles with protection device



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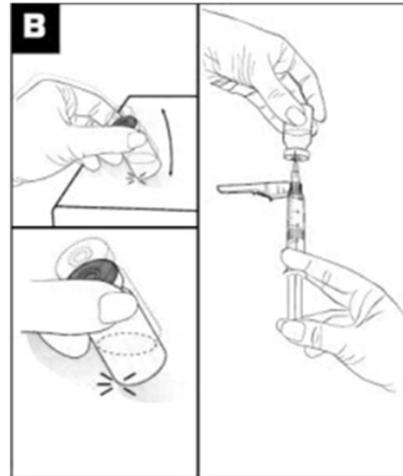
Vivitrol (naltrexone) [prescribing information]. Waltham, MA: Alkermes, Inc. 2022.

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Vivitrol

Preparation

1. Remove Vivitrol from the refrigerator. Let sit until it has reached room temperature before reconstituting (about 45 minutes).
2. Firmly tap the Vivitrol vial on a hard surface to dislodge any packed powder.
3. Remove caps from both vials and wipe the stoppers with an alcohol swab.
4. Place the 1 inch preparation needle onto the syringe, and withdraw 3.4 mL of diluent from its vial. Some diluent will remain.



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Vivitrol (naltrexone) [prescribing information]. Waltham, MA: Alkermes, Inc. 2022.

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Vivitrol

Preparation

5. Inject the drawn 3.4 mL of diluent into the vial of Vivitrol microspheres.



6. Mix the vial until suspended by vigorously shaking for approximately one minute.



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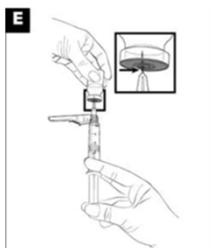
Vivitrol (naltrexone) [prescribing information]. Waltham, MA: Alkermes, Inc. 2022.

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Vivitrol

Preparation

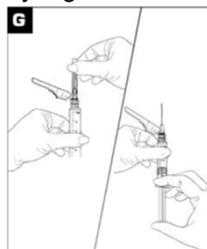
7. Immediately after suspension, withdraw 4.2 mL into the syringe using the same preparation needle.



8. Select the appropriate needle size and secure to the syringe with a clockwise twist.

- For leaner patients, 1.5 inch needle.
- For patients with more subcutaneous tissue, 2 inch needle.

9. Remove the needle sheath. Release air bubbles by tapping the syringe and advance the plunger until 4 mL of suspension remains in the syringe.



10. Suspension is now ready for administration.

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Vivitrol (naltrexone) [prescribing information]. Waltham, MA: Alkermes, Inc. 2022.

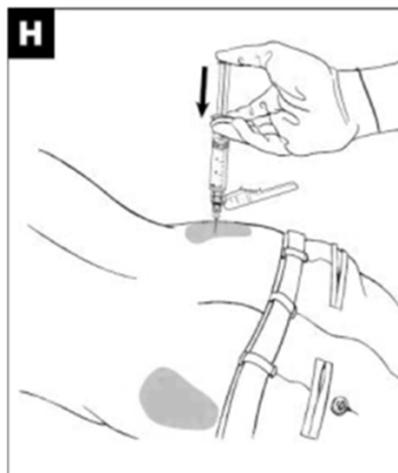
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Vivitrol

Administration

Vivitrol is administered by intramuscular injection into the gluteal muscle **ONLY**.

1. Insert the needle into the gluteal muscle and aspirate for blood.
 - a. If blood aspirates or the needle clogs, change to the spare needle provided and administer into an adjacent site in the same gluteal region.
2. Inject entire contents of the syringe in a smooth, continuous motion.
3. Engage needle safety by pressing on a hard surface and discard.



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