

ENOXAPARIN (FOR PAEDIATRIC PATIENTS)

Clexane®

Administration of Partial Doses (Not Equivalent to Full Syringes)

Patient Information Leaflet

This leaflet illustrates the proper method of administering partial doses of Enoxaparin (Clexane®) Injection.
[Please refer to the separate patient information leaflet for general information of Clexane®.](#)

A. For prescribed doses of 5 mg or lower (≤ 5 mg)

The dose prescribed is _____ mg

Note: You will require **one** syringe of Enoxaparin (Clexane®) **20 mg/0.2 mL** Injection for each dose.

You will also require the following: 1 mL syringe, 20 mL NaCl 0.9% injection, 27G needle, alcohol swabs, gauze and plaster, sharps container

Step 1:

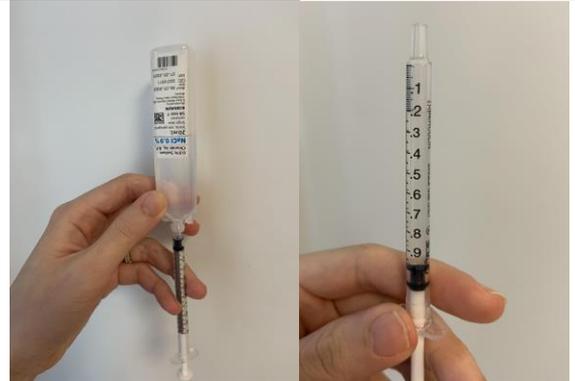
- Using an alcohol swab, wipe down the NaCl 0.9% for injection (20 mL ampoule).
- Twist the cap of the NaCl 0.9% for injection to open the ampoule.



Ensure that ampoule surface is wiped properly with alcohol swab before breaking to prevent contamination

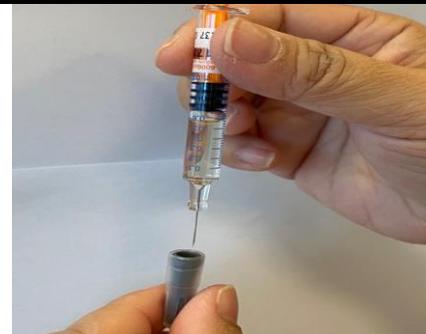
Step 2:

- Take an empty **1 mL** syringe (without needle attached) and draw out **0.8 mL** of NaCl 0.9% for injection.
- Pull back the plunger back until it reaches the 1 mL mark.



Step 3:

- Remove the needle cap of Enoxaparin (Clexane®) Injection by pulling it straight off the syringe.



Step 4:

- Transfer the **entire contents** of the Enoxaparin (Clexane®) 20 mg/0.2 mL syringe carefully into the 1 mL syringe.
- Ensure that the air bubble in the Enoxaparin (Clexane®) syringe is above the liquid level during the transfer
- Attach the 27G needle onto the 1 mL syringe
- Cap the syringe and gently invert to mix.
- The volume in the syringe should be 1 mL.

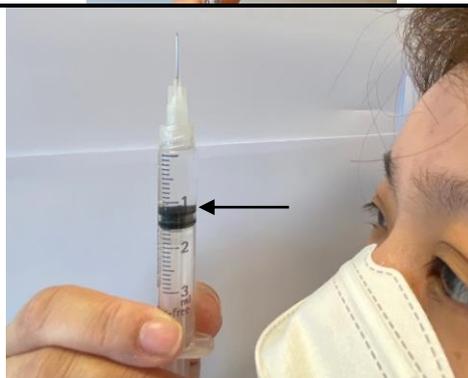


Step 5:

- Hold the syringe at eye level, with the needle tip pointing upwards.
- Push the syringe plunger slowly and carefully to expel the excess mixture until the first black marking reaches the prescribed dose.
(the excess drug may be discarded onto a piece of gauze, tissue paper or into the basin).

Volume to be injected = _____ mL (_____ mg)

Concentration in 1 mL syringe = 20 mg/mL



ENSURE THERE IS NO BUBBLE IN THE SYRINGE BEFORE INJECTING!

Step 6:

- The prescribed dose is now ready to be injected.



SingHealth
Version 2

Last Review: 19/01/2023

Produced by Department of Pharmacy
KK Women's and Children's Hospital

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B. For prescribed doses of more than 5 mg and less or equal to 10 mg (> 5 mg and ≤ 10 mg)

The dose prescribed is _____ mg

Note: You will require **one** syringe of Enoxaparin (Clexane®) 20 mg/0.2 mL Injection for each dose.

You will also require the following: 1 mL syringe, 27G needle, alcohol swabs, gauze and plaster, sharps container

Step 1:

- Remove the needle cap by pulling it straight off the Enoxaparin (Clexane®) 20 mg/0.2 mL Injection.



Step 2:

- Take an empty **1 mL** syringe (without needle attached) and pull back the plunger until it reaches the 0.2 mL mark.
- Transfer the entire contents of the Enoxaparin (Clexane®) 20mg/0.2 mL Injection into the 1 mL syringe.
- Ensure that the air bubble in the Enoxaparin (Clexane®) syringe is above the liquid level during the transfer.
- Attach the 27G needle onto the 1 mL syringe
- The volume in the syringe should be 0.2 mL.



Step 3:

- Hold the syringe at eye level, with the needle tip pointing upwards and capped.
- Push the syringe plunger slowly and carefully to expel the excess drug until the first black marking reaches the prescribed dose.
(the excess drug may be discarded onto a piece of gauze, tissue paper or into a basin)

Volume to be injected = _____ mL (_____ mg)

ENSURE THERE IS NO BUBBLE IN THE SYRINGE BEFORE INJECTING!



Step 4:

- The prescribed dose is now ready to be injected.



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C. For prescribed doses more than 10 mg and less than 20 mg (> 10 mg and < 20 mg)

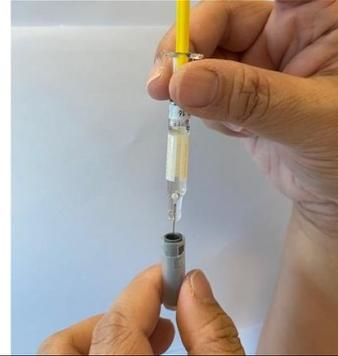
The dose prescribed is _____ mg

Note: You will require **one** syringe of Enoxaparin (Clexane®) **40 mg/0.4 mL** Injection for each dose.

You will also require the following: 1 mL syringe, 27G needle, alcohol swabs, gauze and plaster, sharps container

Step 1:

- Remove the needle cap by pulling it straight off the Enoxaparin (Clexane®) 40 mg/0.4 mL Injection.



Step 2:

- Take an empty **1 mL** syringe (without needle attached) and pull back the plunger until it reaches the 0.4 mL mark.
- Transfer the entire contents of the Enoxaparin (Clexane®) 40mg/0.4 mL Injection into the 1 mL syringe.
- Ensure that the air bubble in the Enoxaparin (Clexane®) syringe is above the liquid level during the transfer. Attach the 27G needle onto the 1 mL syringe
- The volume in the syringe should be 0.4 mL.

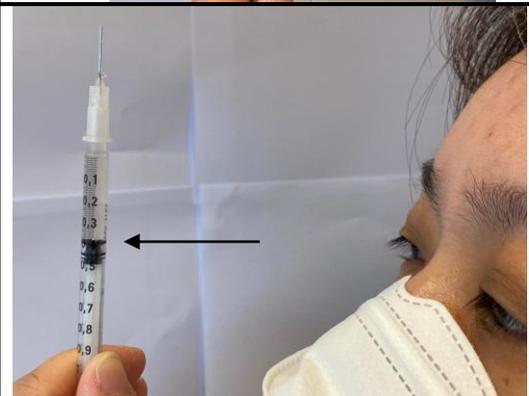


Step 3:

- Hold the syringe at eye level, with the needle tip pointing upwards and capped.
- Push the syringe plunger slowly and carefully to expel the excess drug until the first black marking reaches the prescribed dose.
(the excess drug may be discarded onto a piece of gauze, tissue paper or into a basin)

Volume to be injected = _____ mL (_____ mg)

ENSURE THERE IS NO BUBBLE IN THE SYRINGE BEFORE INJECTING!



Step 4:

- The prescribed dose is now ready to be injected.


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D. For prescribed doses more than 20 mg and less than 60 mg (> 20 mg and < 60 mg)

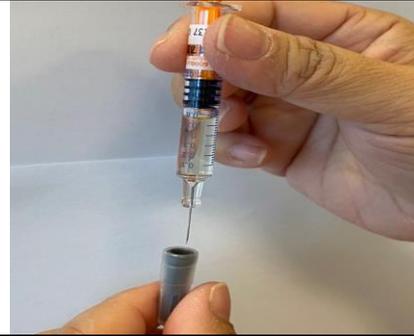
The dose prescribed is _____ mg

Note: You will require **one** Enoxaparin (Clexane®) 60 mg/0.6 mL Injection (graduated syringe) for each dose.

You will also require the following: Alcohol swabs, gauze and plaster, sharps container

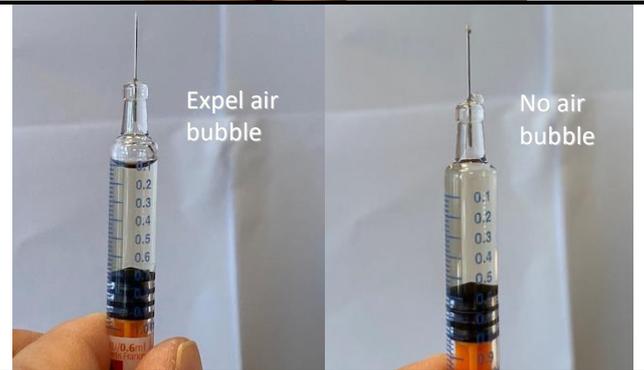
Step 1:

- Remove the needle cap by pulling it straight off the Enoxaparin (Clexane®) 60 mg/0.6 mL Injection.



Step 2:

- Hold the syringe with the needle tip pointing up.
- Expel the air bubble in the Enoxaparin (Clexane®) syringe as shown in the photo



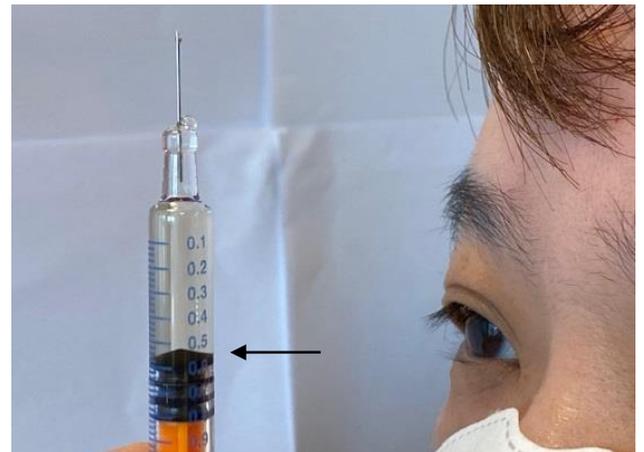
Step 3:

- Holding the syringe at eye level, push the syringe plunger slowly and carefully to expel the excess drug until the first black marking reaches the prescribed dose (i.e. Expel the excess medication so that **the required dose remains in the syringe**; the excess drug may be discarded on a piece of gauze, tissue paper or into a basin)
- Volume to be injected = _____ mL (_____ mg)

What do the numbers on the syringe mean?

- 0.1 = 10 mg enoxaparin
- 0.2 = 20 mg enoxaparin
- 0.3 = 30 mg enoxaparin
- 0.4 = 40 mg enoxaparin
- 0.5 = 50 mg enoxaparin
- 0.6 = 60 mg enoxaparin

Each graduation is 0.025mL = 2.5mg



Step 4:

- The prescribed dose is now ready to be injected.



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E. For prescribed doses more than 60 mg AND less than or equals to 80 mg (> 60 mg and ≤ 80 mg)

The dose prescribed is _____ mg

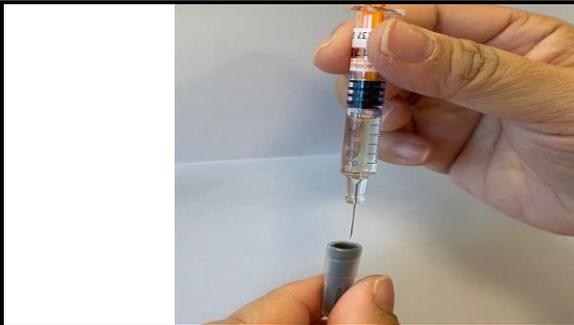
Note: You will require:

- **One** syringe of Enoxaparin (Clexane®) **60 mg/0.6 mL** Injection (graduated syringe), **AND**
- **One** syringe of Enoxaparin (Clexane®) **40 mg/0.4 mL** Injection for each dose.

You will also require the following: 3 mL syringes, 27G needles, alcohol swabs, gauze and plaster, sharps container

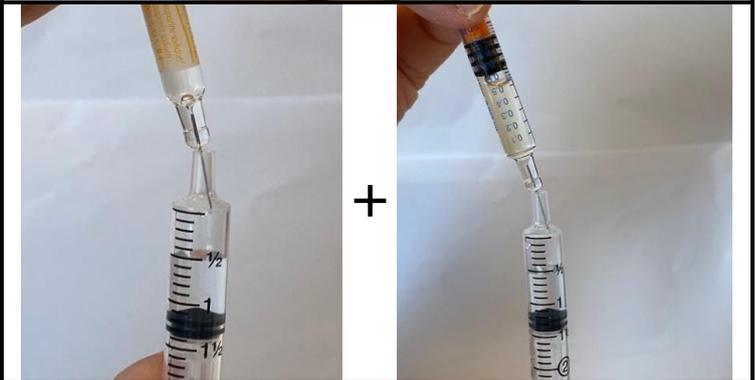
Step 1:

- Remove both the needle caps by pulling them straight off the Enoxaparin (Clexane®) 60 mg/0.6 mL Injection and Enoxaparin (Clexane®) 40 mg/0.4 mL Injection.



Step 2:

- Take an empty **3 mL** syringe (without needle attached) and pull back the plunger until it reaches the 1 mL mark.
- Transfer the entire contents of **both** Enoxaparin (Clexane®) syringes into the 3 mL syringe.
- Ensure the air bubble in the Enoxaparin (Clexane®) syringe is above the liquid level during the transfer. Attach the 27G needle onto the 3 mL syringe
- The volume in the 3 mL syringe should be **1 mL**.



Step 3:

- Hold the syringe at eye level, with the needle tip pointing upwards and capped.
- Push the syringe plunger slowly and carefully to expel the excess drug until the first black marking reaches the prescribed dose. (the excess drug may be discarded onto a piece of gauze, tissue paper or into a basin)

Volume to be injected = _____ mL
(_____ mg)

ENSURE THERE IS NO BUBBLE IN THE SYRINGE BEFORE INJECTING!



Step 4:

- The remaining dose is now ready to be injected.

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F. For more than 80 mg AND less than or equals 100 mg (> 80 mg and ≤ 100 mg)

The dose prescribed is _____ mg

Note: You will require **two** syringes of Enoxaparin (Clexane®) **60 mg/0.6 mL** Injection for each dose.

You will also require the following: 3 mL syringes, 27G needles, alcohol swabs, gauze and plaster, sharps container

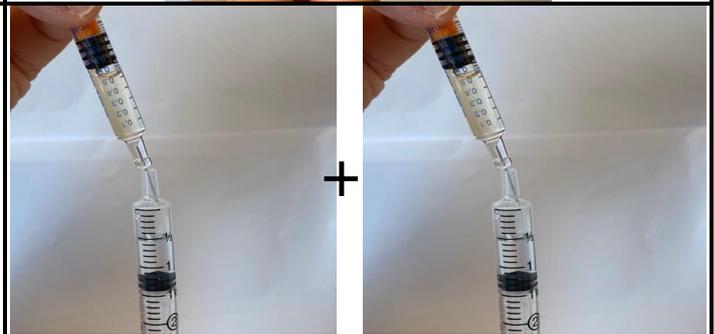
Step 1:

- Remove the needle cap by pulling it straight off the remaining Enoxaparin (Clexane®) 60 mg/0.6 mL Injection.



Step 2:

- Take an empty **3 mL** syringe (without needle attached) and pull back the plunger until it reaches the 1.2 mL mark.
- Transfer the entire contents of **both** Enoxaparin (Clexane®) syringes into the 3 mL syringe.
- Ensure that the air bubble in the Enoxaparin (Clexane®) syringe is above the liquid level during the transfer. Attach the 27G needle onto the 3 mL syringe
- The volume in the 3 mL syringe should be **1.2 mL**.



Step 3:

- Hold the syringe at eye level, with the needle tip pointing upwards and capped.
- Push the syringe plunger slowly and carefully to expel the excess drug until the first black marking reaches the prescribed dose. (the excess drug may be discarded onto a piece of gauze, tissue paper or into a basin)

Volume to be injected = _____ mL (_____ mg)

ENSURE THERE IS NO BUBBLE IN THE SYRINGE BEFORE INJECTING!



Step 4:

- The remaining dose is now ready to be injected.



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G. For more than 100 mg (> 100 mg)

The dose prescribed is _____ mg

Note: You will require the following Enoxaparin (Clexane®) syringes for each dose:

- **60 mg/0.6 mL** Injection (graduated syringe) x _____ syringe(s)
- **40 mg/0.4 mL** Injection x _____ syringe(s)
- **20 mg/0.2 mL** Injection x _____ syringe(s)

You will also require the following: 3 mL syringes, 27G needles, alcohol swabs, gauze and plaster, sharps container

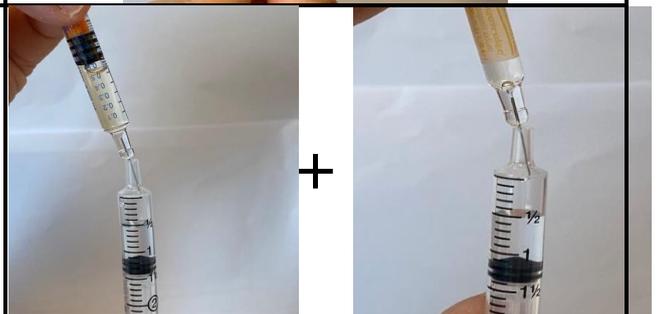
Step 1:

- Remove the needle cap by pulling it straight off the Enoxaparin (Clexane®) syringes.



Step 2:

- Take an empty **3 mL** syringe (without needle attached) and pull back the plunger until the _____ mL mark
- Transfer the entire contents of **all** Enoxaparin (Clexane®) syringes into the 3 mL syringe
- Ensure that the air bubble in the Enoxaparin (Clexane®) syringe is above the liquid level during the transfer.
- Attach the 27G needle onto the 3 mL syringe
- The volume in the 3 mL syringe should be _____ mL

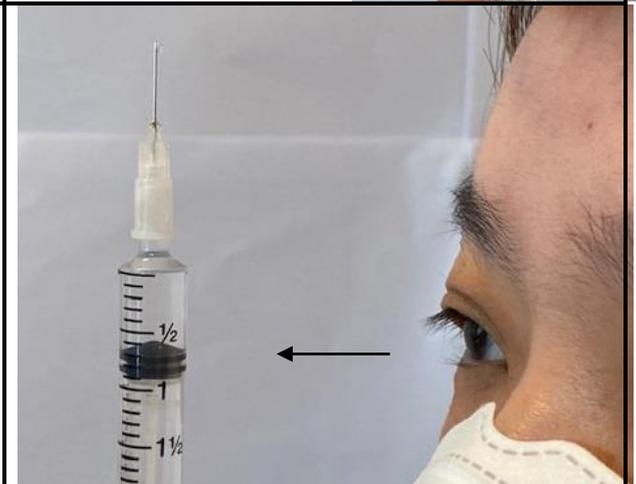


Step 4:

- Hold the syringe at eye level, with the needle tip pointing upwards and capped.
- Push the syringe plunger slowly and carefully to expel the excess drug until the first black marking reaches the prescribed dose.
(the excess drug may be discarded onto a piece of gauze, tissue paper or into the basin)

Volume to be injected = _____ mL (_____ mg)

ENSURE THERE IS NO BUBBLE IN THE SYRINGE BEFORE INJECTING!



Step 4:

- The remaining dose is now ready to be injected.



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