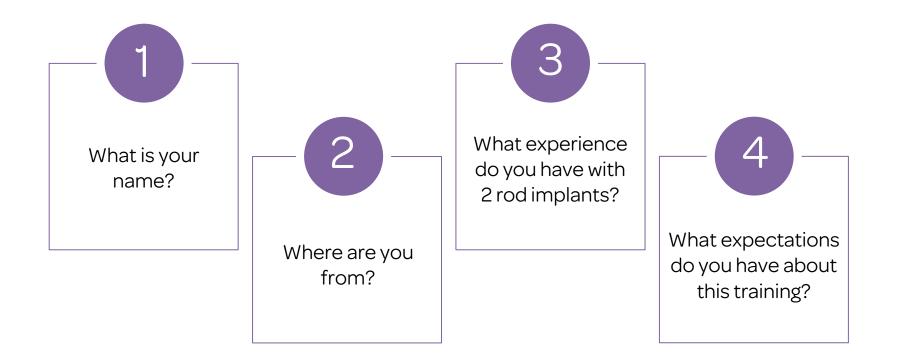
Welcome to LEVOPLANT Training





Introductions

Split into pairs and ask each other:





Ground Rules



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Purpose of training

) Introduce Levoplant[™]

Provide information on best practice counselling for contraception and LARC

Practice insertion and removal of $Levoplant^{TM}$

This is competency based with pass/fail

Please see as opportunity to refresh your skills and knowledge if you already have experience with 2 rod implant



Pre Course Knowledge Test



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Module 1

Introduction to Levoplant[™] & Counselling



Levoplant[™]

History/ development of Sino-implant to Levoplant[™]

What is the advantage of having additional 2 rod implants in the market?

Improves product security,

Improves choice

Improves pricing

DKT WomanCare (part of DKT International) is global distributor and marketer of LevoplantTM



See <u>www.dktwomancare.org</u> for a map of local distributor in each country



Levoplant[™]



) World Health Organization prequalified

) Sub-dermal contraceptive implant

) Two small, flexible rods about the size of a matchstick

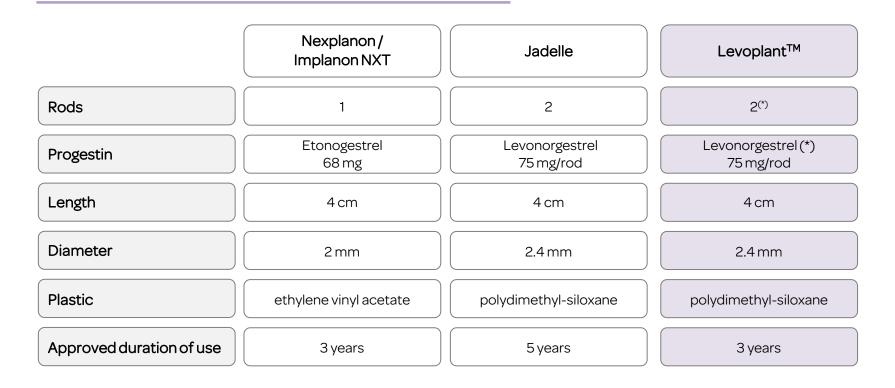
Highly effective contraception proved to be 99.8% effective over 3 years (Pearl Index 0.18)

Can be inserted anytime as long as the woman is not pregnant

Almost immediate return to fertility



Implants Comparison



(*) Levonorgestrel is the same ingredient used in oral contraceptive pills, emergency contraceptive pills, and intrauterine systems.



Mode of Actions

Primary mode of action:

- Production of thick cervical mucus which prevents sperm penetration
- Inhibition of ovulation in about 50% of menstrual cycles



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LevoplantTM Effectiveness

PROVED TO BE ONE OF THE MOST EFFECTIVE CONTRACEPTIVE METHODS AVAILABLE

Sustained release of very low dose of levonorgestrel

Fewer than 1 pregnancy per 100 women (< 1%) over three years For women >80 kg, effectiveness of Levoplant™ may decrease near the end of the duration of use - consider replacing Levoplant™ implants sooner in this case scenario



Levoplant[™] Benefits





Levoplant[™]

What is the advantage of having additional 2 rod implants in the market?

Improves availability,

Alleviates production constraints, and

Applies downward pressure on pricing

DKT WomanCare (part of DKT International) is global distributor and marketer of LevoplantTM



Find in-country distribution partners at: <u>www.dktwomancare.org/how-to-buy</u>



Medical Eligibility



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NEW 2022

FAMILY PLANNING

A GLOBAL HANDBOOK FOR PROVIDERS



2022 EDITION





Medical eligibility in client screening

Ask the client the following questions:

Do you have cirrhosis of the liver, a liver infection, or liver tumor?

Do you have vaginal bleeding that is unusual for you?

Do you have or have you ever had breast cancer?





If the answer is NO to all of these, then proceed for further steps in screening.



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Who can and cannot use LevoplantTM

Have just given birth

Any age

Have just had an abortion, miscarriage, or ectopic pregnancy

Smokes cigarettes

Are breastfeeding

Are HIV positive

If pregnant or think is pregnant Has unexplained vaginal bleeding Has severe liver infection or tumor Has history of breast cancer If using special medicines, ask your

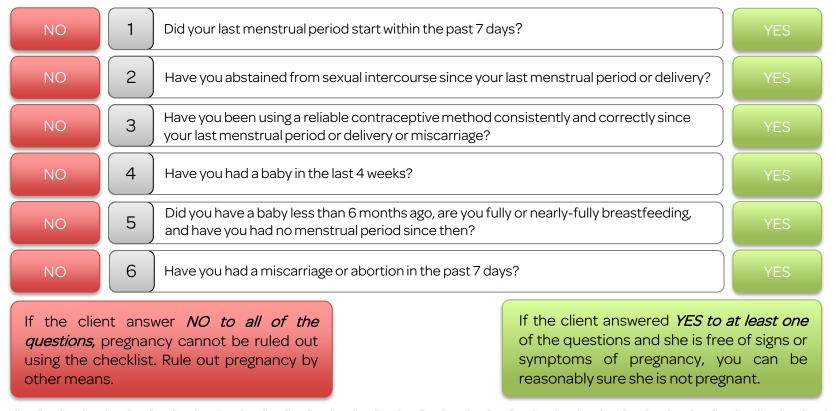
doctor if Levoplant[™] is right for you



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Pregnancy Checklist

A woman can start using Levoplant[™] any time she wants if it is reasonably certain she is not pregnant. Use the **Pregnancy Rule-Out Checklist** to be reasonably certain she is not pregnant.



World Health Organization Department of Sexual and Reproductive Health and Research (WHO/SRH) and Johns Hopkins Bloomberg School of Public Health/ Center for Communication Programs (CCP), Knowledge SUCCESS. Family Planning: A Global Handbook for Providers (2022 update). Baltimore and Geneva: CCP and WHO; 2022.



Pregnancy Checklist

If the client answer *NO to all* of the questions, pregnancy cannot be ruled out using the checklist. Rule out pregnancy by other means.



If the client answered *YES to at least one* of the questions and she is free of signs or symptoms of pregnancy, you can be reasonably sure she is not pregnant.



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Precaution: Drug Interactions

Some drugs decrease the effectiveness of implants:

Anti-epilepsy drugs:

- Barbiturates (phenobarbital)
- Phenytoin
- Carbamazepine
- NOT valproic acid



Antibiotics:

RifampicinGriseofulvin

WomanCare academy

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Side Effects

| SIDE EFFECTS | MANAGEMENT | |
|-------------------|--|--|
| Abdominal pain | Mild abdominal pain, you can suggest: aspirin (325–650 mg) ibuprofen (200–400 mg) paracetamol (325–1000 mg), or other pain reliever. For severe abdominal pain: Investigate for ectopic pregnancy Refer at once for immediate diagnosis and care. | |
| Weight change | Review diet and exercise practices and changes and counsel accordingly | |
| Breast tenderness | Wearing a supportive bra (day and night). Suggest: aspirin (325–650 mg) ibuprofen (200–400 mg) paracetamol (325–1000 mg), or other pain reliever. | |



Side Effects

| SIDE EFFECTS | MANAGEMENT |
|-------------------------------|--|
| Mood change | If ectopic pregnancy or other serious health condition is suspected, refer at once for immediate diagnosis and care |
| Irregular Bleeding Pattern | 800 mg ibuprofen 3 times daily after meals for 5 days Give client combined oral contraceptives when the bleeding starts One pill containing levonorgestrel daily for 21 days Or 50 µg ethinyl estradiol daily for 21 days |



When to insert LevoplantTM

| WOMAN'S SITUATION | WHEN TO START |
|---|---|
| Having menstrual cycles or switching from a non-hormonal method | If she is starting within 7 days after the start of her monthly bleeding, no need for a backup method. |
| | If it is more than 7 days after the start of her monthly bleeding, she can have Levoplant™ inserted if reasonably certain she is not pregnant. She will need a backup method for the first 7 days after insertion. |
| | If switching from an IUD, she can have Levoplant™ inserted immediately. |
| Switching from a hormonal method | Immediately, if she has been using the hormonal method consistently and correctly or if it is otherwise reasonably certain she is not pregnant. No need to wait for her next monthly bleeding. No need for a backup method. |
| | If she is switching from injectables, she can have Levoplant™ inserted when the repeat injection would have been given. No need for a backup method. |



When to insert LevoplantTM

| WOMAN'S SITUATION | WHEN TO START |
|--|--|
| Fully or nearly fully breastfeeding - LESS than 6 months after childbirth | Insertion can be performed immediately after giving birth through 6 weeks post partum. |
| | If her monthly bleeding has NOT returned, Levoplant™ can be inserted any time between 6 weeks and 6 months. No need for a backup method. |
| | If her monthly bleeding has returned, she can have Levoplant™ inserted as advised for women having menstrual cycles (on previous page). |
| Fully or nearly fully breastfeeding - MORE than 6 months after childbirth | If her monthly bleeding has NOT returned, she can have Levoplant™ inserted any time it is reasonably certain she is not pregnant. She will need a backup method for the first 7 days after insertion |
| | If her monthly bleeding has returned, she can have Levoplant™ inserted as advised for women having menstrual cycles |







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A Rights Based Approach to care

This session is for all staff to gain new skills and refresh any knowledge you already have:



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Counselling as part of a Rights Based Approach

Principles of a rights-based approach to service delivery: service users must not only have access to safe, effective, acceptable care – there should be access, equity and availability.

How can we ensure that the client is getting rights based care?





Rights of patients who attend FP services



Information Access Choice Security Privacy Confidentiality Comfort Follow-up Opinion



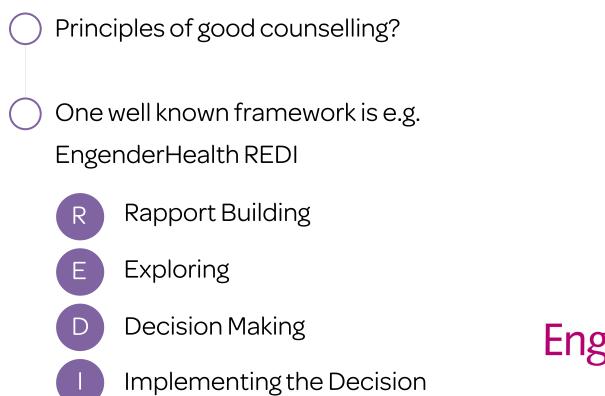
Characteristics of Balanced Counselling

In Family Planning



- Sexual and reproductive rights
- Communication
- Listen
- Inform
- Clarify doubts







EngenderHealth for a better life



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Rapport Building

- O Greet client with respect
- O Make introductions and identify category of the client (i.e., new, satisfied return, or dissatisfied return)
- O Assure confidentiality and privacy
- O Explain the need to discuss sensitive and personal issues
- O Use communication skills effectively (throughout the phases)



Exploring

- O Identify reason for the visit in detail
- O New clients: SRH history, does she want spacing or no more children?
- O Return clients: satisfaction with current method, confirm it is being used properly. Does she want spacing or no more children? Discuss existing problems, treating them or switching
- O All clients: Focus on the method(s) of interest to the client, addressing individual and other key factors and risk of STIs/HIV



Decision Making

Summarize from the Exploring phase:

O Identify the decisions the client needs to make or confirm

- Identify relevant options for each decision
 (e.g., pregnancy prevention, STI/HIV risk reduction)
- O Confirm medical eligibility for contraceptive methods the client is considering
- O Help the client consider the benefits, disadvantages, and consequences of each option (provide information to address any remaining knowledge gaps)
- O Confirm that any decision the client makes is informed, well-considered, and voluntary



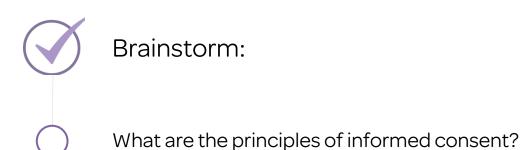
Implementing the Decision

- O Assist the client in developing a concrete and specific plan for implementing the decision(s)
- O Identify barriers that the client may face in implementing the plan
- O Develop strategies to overcome the barriers
- O Make a follow-up plan and/or provide referrals, as needed



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Importance of Informed Consent



THE IMPORTANCE OF INFORMED CONSENT IS TO RECORD THE COUNSELLING PROCESS



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Informed Consent

Clients right to make decisions about her own health and welfare

Clients must not be coerced, consent must be voluntary Clients must have capacity to make decisions for herself and understand risks and benefits



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Role Play Counselling and Informed Consent



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Let's Play ...





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Module 2

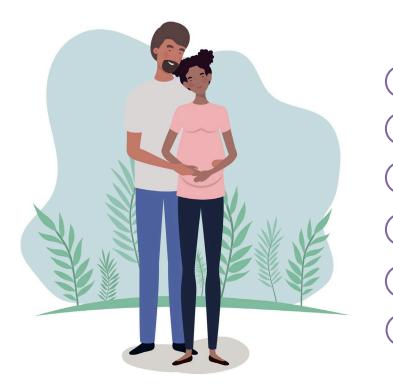
Insertion of Levoplant[™]



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Remember:

Characteristics of Balanced Counselling In Family Planning



Remember the Rights Based Approach

Sexual and reproductive rights

Communication

Listen

Inform

Clarify doubts



Remember:



Assist the client to make an informed decision, based on her needs and wishes!

Ensure method mix!

Dual protection!



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Before you Begin

Once the client has chosen Levoplant™

Counsel client on what to expect, both during and after insertion including common side effects

Be clear and concise

Reassure that common side effects are not harmful

Project professionalism, clinical confidence, and receptivity to questions

If possible, also provide printed materials





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Required Equipment

For Insertion:

- ____ Clean tray
- Gallipot
- Kelly or Crile forceps (5.5" or 14 cm)
 - Antiseptic soap and water
- Sterile surgical drapes
- One pair of sterile talc-free gloves
- Antiseptic solution (such as iodine)
- Local anesthetic
- 5 ml syringe with needle
- Levoplant™ implants
- Trocar
- Sterile gauze



Before you Begin

ALWAYS USE sterile gloves or forceps when handling the rods

If Levoplant[™] rod is contaminated (for example, falls on the floor),

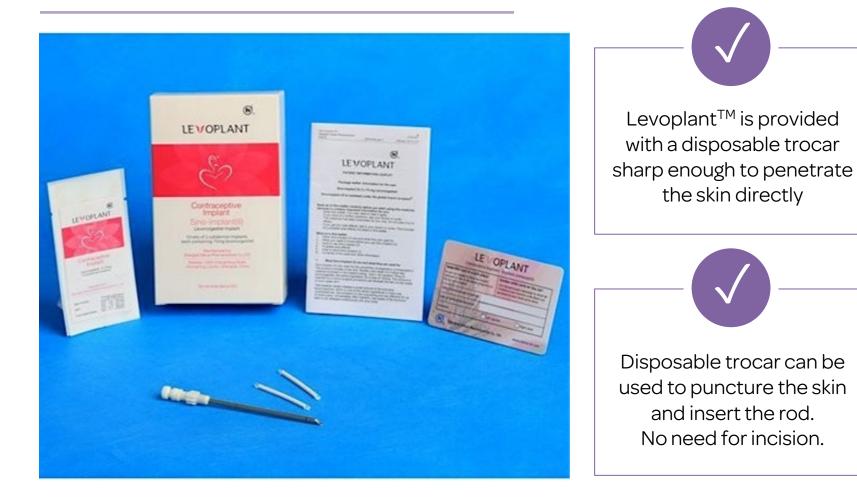
LEAVE IT for later disposal and OPEN A NEW PACKAGE

and continue with the procedure.



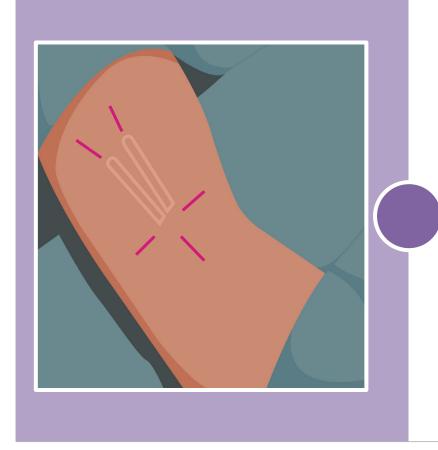
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Disposable Trocar





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- 1. Wash the non-dominant arm
- 2. Allow the client to lie down on the procedure table with her non-dominant arm extended on a sterile or clean cloth on the other table, at a right angle to her body
- 1. The implants will be inserted sub-dermally using the disposable trocar, in the shape of a narrow V, opening towards the armpit



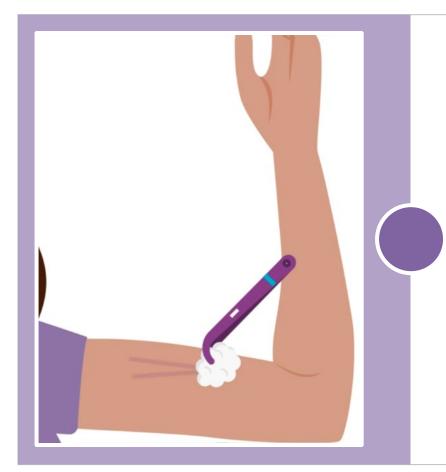
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4. Identify the site of
Levoplant[™] insertion at the
inner side of the upper arm,
6-8 cm above the elbow





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5. Use a sponge forceps to hold a cotton or gauze swab soaked with antiseptic (betadine or chlorhexidine)

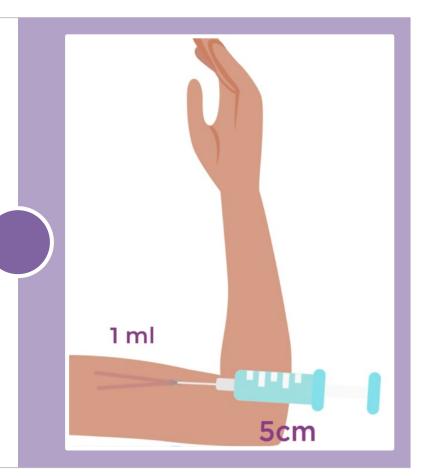
Begin by wiping at the insertion site and move outward in a circular motion for 8 to 13 cm (3 to 5 in.).

If an iodophor (e.g., Betadine) is used, allow to air dry for about 2 minutes before proceeding (iodophors require up to 2 minutes to contact time to release free iodine).

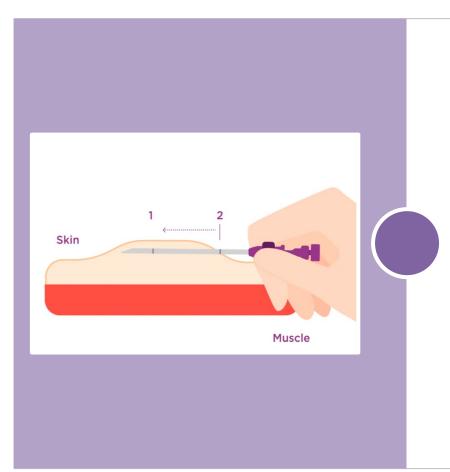


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- 6. Fill the syringe with 2-4 ml of 1% local anesthetic without adrenaline
- 7. Inject local anesthetic applied just under the skin, raising a wheal at the insertion point and advancing up to 5 cm along the first insertion track, injecting first half of local anesthetic along the track as you withdraw.
- 8. Without completely removing the needle, reorient to the second insertion track, advance up to 5 cm, and again inject second half of local anesthetic along track as needle is withdrawn.







- 9. Introduce the trocar just beneath the skin at anesthetized area with the bevel facing up. Tent the skin.
- 10. Once the tip of the trocar is beneath the skin, advance the trocar along the skin, tenting the skin to keep the implant in the subdermal plane until the second black ring on the trocar (2 in the illustration) reaches the insertion site.



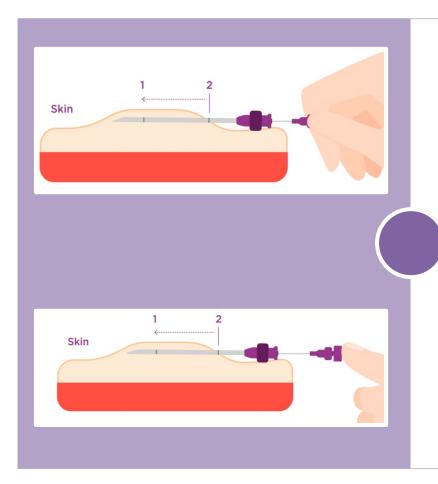
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NOTE:

- Do not force the trocar, and if you feel any resistance, try another direction
- It is important to keep the trocar in the subdermal layer by <u>tenting the</u> <u>skin</u> with the trocar, as failure to do so may result in deep placement of the implants causing a more difficult removal
- Throughout the insertion procedure, the trocar should always be oriented with the bevel up



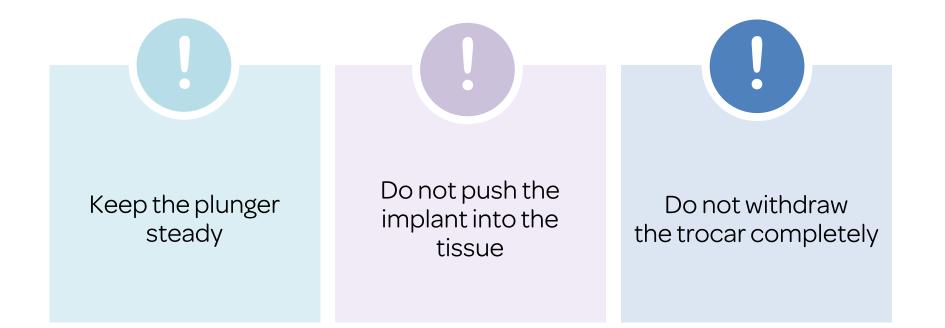




- 11. Remove the plunger when the trocar is advanced under the skin to the second line (2 in the illustration)
- 12. Load the first implant into the trocar
- 13. Gently push the plunger to the tip of the trocar with the left forefinger until you feel resistance
- 14. Hold the plunger steady and withdraw the trocar to the mark near the tip 1 in the illustration



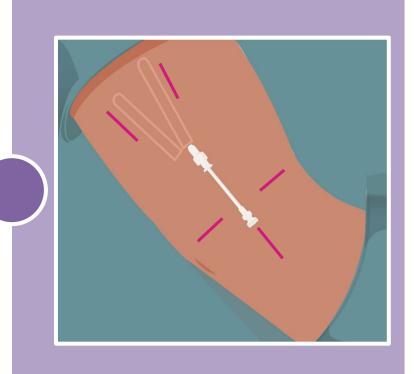
At this point, remember to ...





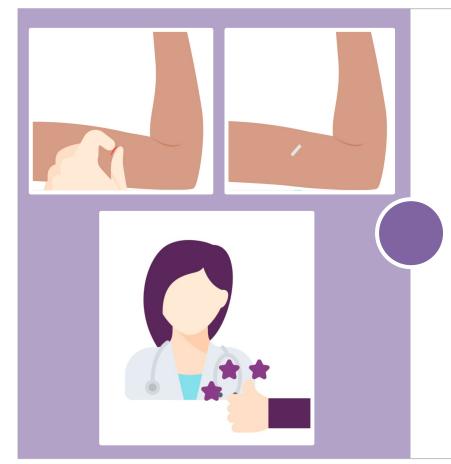
15. Fix the position of the first implant with the left fore-finger and advance the trocar to form a V shape along the side of the finger. The V should be about a 30-degree angle.

Insert the second implant next to the first one using the same technique from step 10-14





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- 16. After the insertion, press the edges of the incision together and close with a sterile butterfly adhesive. The arm should be kept dry for a few days
- 17. Cover the insertion area with a compress and wrap enough gauze around the arm to ensure hemostasis
- 18. Observe the patient at the clinic for15 minutes for signs of syncope orbleeding



Post-Insertion Care

Observe client for at least 15 to 20 minutes and ask her how she feels before sending her home

Discuss what to do if the client experiences any problems following insertion or side effects

Ask the client to repeat the instructions

Answer the client's questions



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Management after insertion

- Be open to patient question
- Practice active listening
- Rule out other causes of any complaints
- Give advice about managing the side effects
- Try medical management before removal first for side effects
- Honor the wishes of the woman
- If removal is chosen, contraceptive and/or pregnancy counseling



Follow-Up

"Come back any time"

Assure every client she is welcome to come back any time, for example, when:

She has problems, questions, or wants another method,

- She has a major change in health status,
- She thinks she might be pregnant.



Remind her to bring the follow-up card during each visit to the clinic



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Warning Signs

The client should return to the clinic if she has any of the following problems:



Delayed menstrual period after several months of regular cycles (may be a sign of pregnancy)

Infection - pus or bleeding at the insertion side



Severe lower abdominal pain (may be a symptom of ectopic pregnancy)



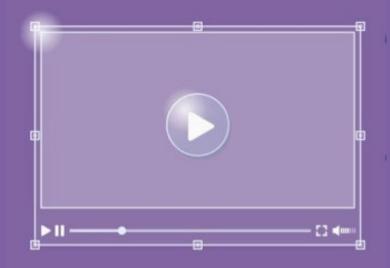


Unexplained heavy vaginal bleeding (either twice as long/ heavy as normal)



Severe headache – migraine (vascular) headaches, repeated very painful headaches or blurred vision





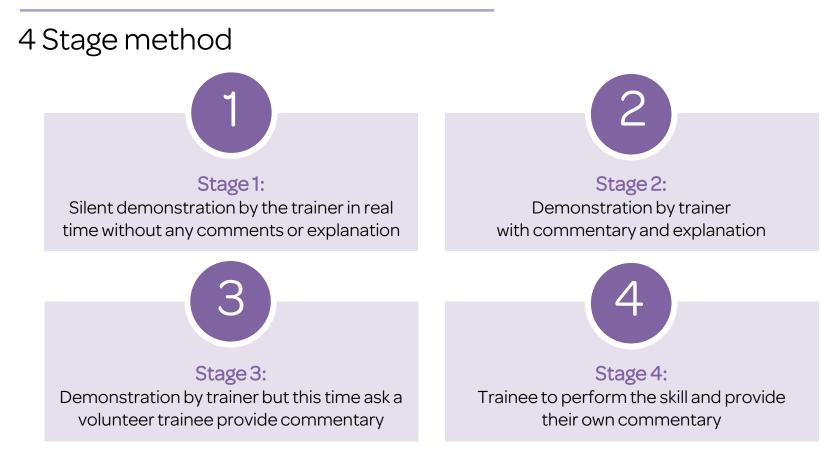
Video Tutorial

Watch the Video. It explains it all.



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Time to practice!



Include what happens after insertion



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Module 3

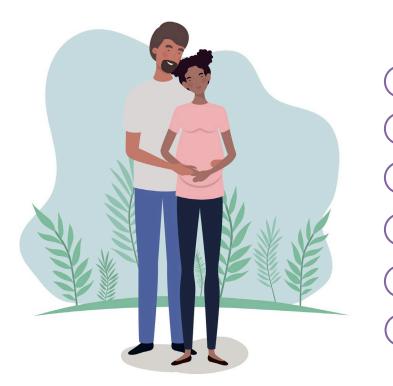
Removal of Levoplant[™]



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Remember:

Characteristics of Balanced Counselling In Family Planning



Remember the Rights Based Approach

Sexual and reproductive rights

Communication

Listen

Inform

Clarify doubts



Remember:



Assist the client to make an informed decision, based on her needs and wishes!

Ensure method mix for ongoing contraceptive needs if required!

Dual protection!



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Before you Begin

questions

Once the client has decided to remove Levoplant[™]

Counsel client on what to expect, both during and after removal including common side effects

Be clear and concise

Reassure that common side effects are not harmful

Project professionalism, clinical confidence, and receptivity to

If possible, also provide printed materials





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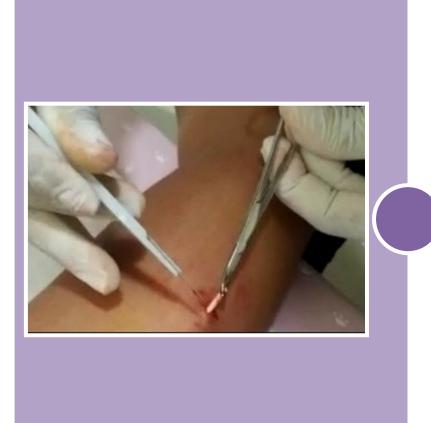


Required Equipment



-) Clean tray
- Gallipot
- Kelly or Crile forceps (5.5" or 14 cm)
 - Antiseptic soap and water
- Sterile surgical drapes
- One pair of sterile talc-free gloves
- Antiseptic solution (such as iodine)
- Local anesthetic
- 5 ml syringe with needle
- Sterile gauze
- Scalpel

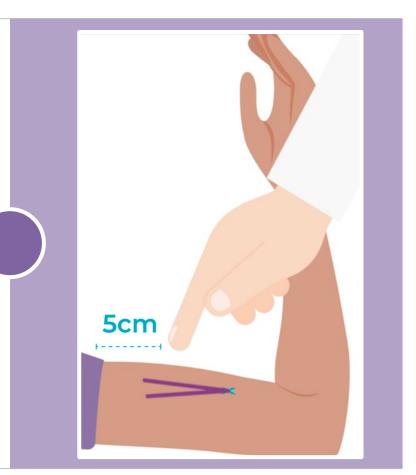




- The implants shall be removed very gently, and this may take more time than their insertion
- Implants may sometimes be nicked, cut or broken during removal
 - If removal proves difficult, close the incision and bandage the wound, and have the patient return for another attempt
 - The remaining implant(s) will be easier to remove after the area is healed
 - A hormonal or non-hormonal method of contraception should be used until both implant have been removed

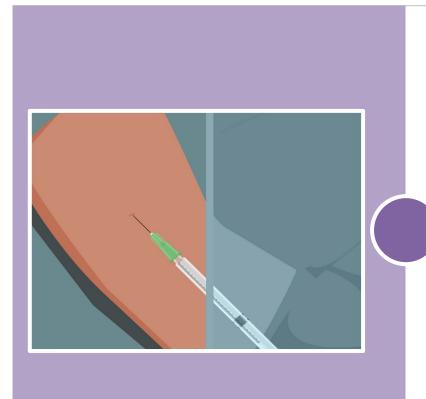


- The patient shall be in a similar position, and a similar aseptic technique shall be applied as for insertion
- 1. Locate the implants by palpation, possibly marking their position with a marker pen.





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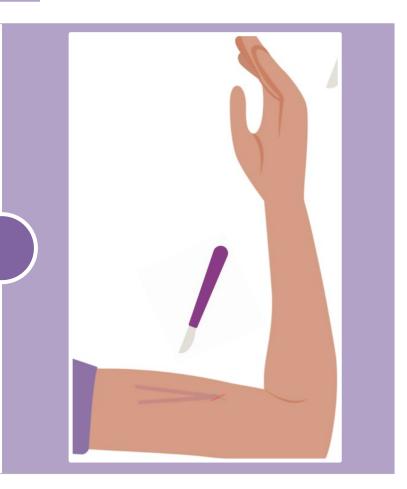


- 2. Inject a small amount of local anesthetic under the ends of the implant that are closer to each other – this will raise the ends of the implants.
- Anesthetic injected over the implants may obscure their position and make removal more difficult
- If necessary, more anesthetic can be given in small amounts at a time



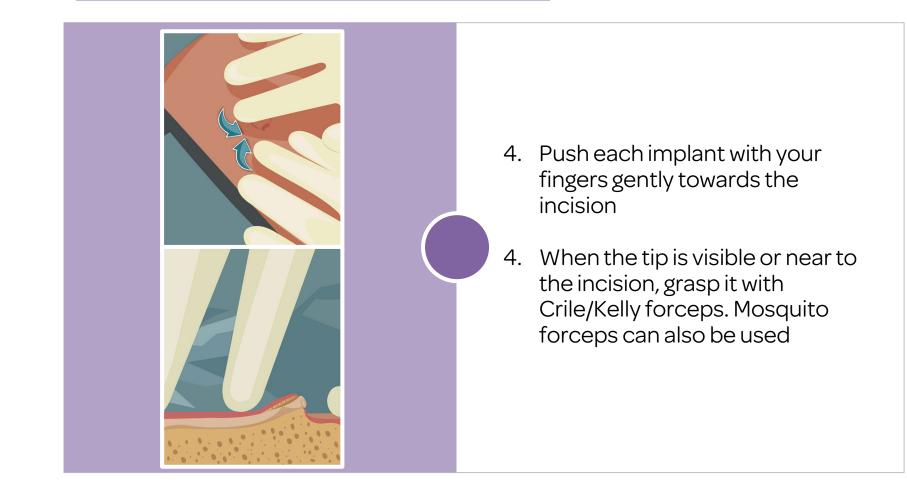
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- Make a 2-4mm incision with the scalpel close to the ends of the implants (below the bottom of the V)
 - o Keep the incision small



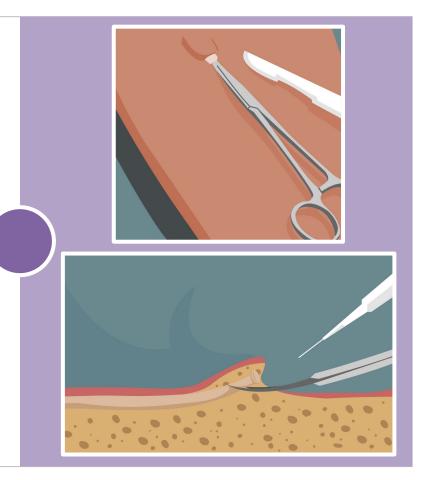


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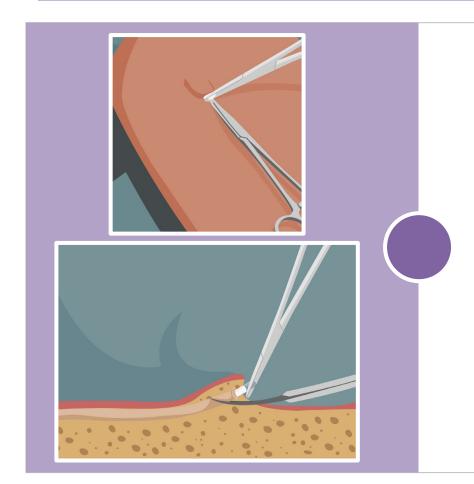


- 6. Stabilize the implant with the Crile/Kelly forceps. Mosquito forceps can also be used
- 6. Use a scalpel and very gently open the tissue sheath around the implant





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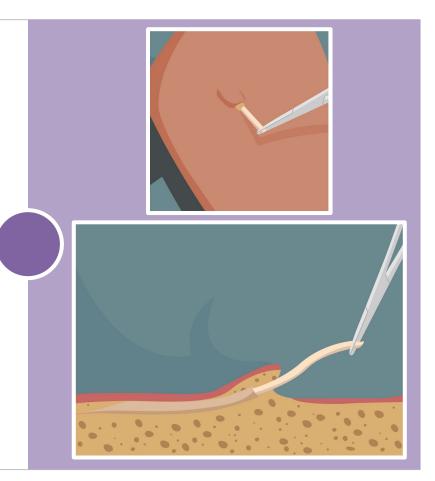


 B. Grasp the end of the implant with the second forceps (Crile/Kelly forceps)



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- 9. Release the stabilizing (first) forceps
- 10. Use the second forceps holding the end of the implant to gently remove the implant. Do not twist or bend the implant.
 - See the FAQ for guidance on avoiding implant breakage.





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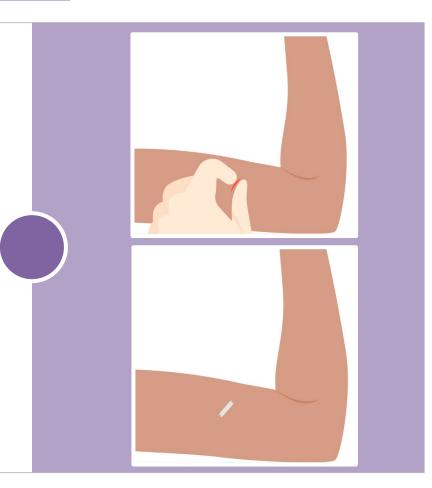


• Repeat the procedure for the second implant



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- After the procedure is completed, close the incision and bandage it as after insertion.
- The arm should be kept dry for a few days





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If the woman wishes to continue using the method:



A new set of Levoplant[™] can be inserted through the same incision, in the same or the opposite direction.

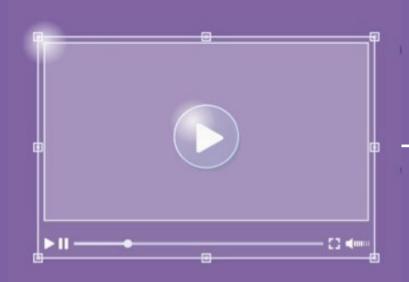
If the woman prefers, Levoplant™ can also be inserted in her other arm.





2

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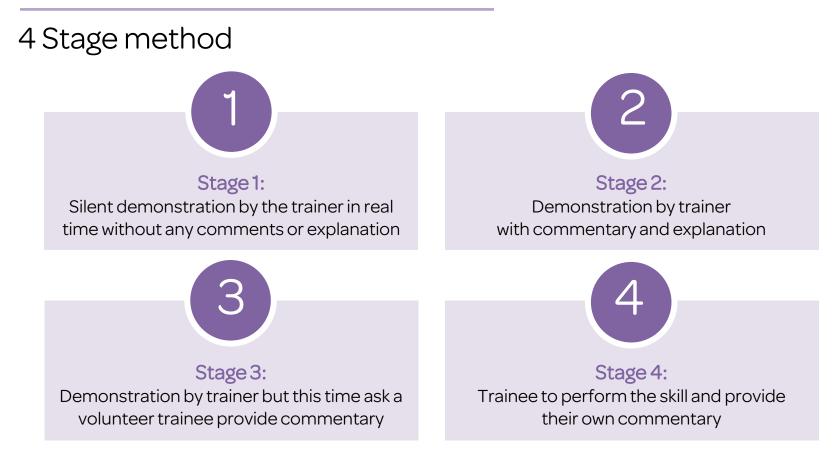
Video Tutorial

Watch the Video. It explains it all.



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Time to practice!



Include what happens after removal



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Questions, Comments, Or Concerns?

We want to hear about it ...



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WomanCare GLOBAL

Email: contact@dktwomancare.org www.dktwomancare.org



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