

Berinert Home Infusion Program

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INNOMAR STRATEGIES

Overview

1. Referral Process
2. Visit Planning
3. Teaching Session
4. Follow Up

The Berinert[®] Assistance Program training process

1.



Physician faxes out Patient Enrolment form to Berinert assistance program 1-8884904105



2.



Physician coordinates with the blood bank to ensure that Berinert[®] is released to the patient for self-administration



3.



Nurse educator contacts the patient and setups training date and logistics



Patient can also call 1-888# directly provided s/he has valid Rx



It is recommended that the patient has product on hand before the training is conducted

The Berinert[®] Assistance Program training process

4.



The patient is trained as many times as needed to ensure that s/he is competent to self-administer Berinert[®]

- A report is sent to the treating physician each time the patient is trained
- Blood bank receives a report when patient is trained

Training supplies provided as per the nurse educator's recommendations

The Berinert[®] Assistance Program training process

5.



Nurse case manager follows up with the patient on a regular basis to ensure continued patient competency for IV self-administration



The nurse sends a summary note to the physician when the patient is contacted

Pre- training
call

Week 1
follow-up

3 weeks
follow-up

3 months
follow-up

6 months
follow-up

Semiannual
follow-ups

Referral Process

- Ensure dose is appropriate – 20 U/k
- May have to contact MD to round dose UP or DOWN.
- Usual dose is about 2 – 4 vials for Rx. Each vial contains 500U
- Check referral carefully.
- Most patients need 2-3 doses on hand.
- Patients with frequent attacks may need a prophylactic dose 1-3 times per week.

Referral Process - 2

- Ensure that MD has ordered the product and that the relevant Blood Bank is able to dispense.
- It is imperative that the patient has enough product in hand especially if they are planning to travel
- Patients bring 1 treatment to teaching session IF THEY ARE TREATMENT NAÏVE.
- If Patients have had Berinert, the teaching session may use Normal Saline for the infusions (depending on the treating physician directions)
- Contact patients re: proper storage and travelling with product before visit.

Visit Supplies

Product Pack:

- 500 IU Vial of Berinert®
- 10 ml Vial of Sterile Water for Injection (Solvent)



Administration Pack:

- Mix2Vial™* filter transfer set for reconstituting
- Disposable 10 mL syringe
- Safety-Butterfly infusion set (25g x 3/4" needle, with long 35 cm tube)

- Ancillaries are included with product. However, additional supplies may be provided for practice. (Need for sterile supplies when contamination occurs)
- These include:
 1. Extra 10cc syringes
 2. Extra butterflies – 25G x 3/4" (with 12" tubing)
 3. Alcohol swabs and gauze pads.
 4. Tape and band aids.



Ancillary Supplies

- All kits come with a 10cc syringe and a butterfly.
- Subjects also require alcohol and gauze swabs.
- Extra supplies are needed for practice and in case of contamination.
- The Berinert Assistance Plan provides patients with extra ancillary supplies for 6 months.
- Subjects are supplied with information where they can buy extra supplies after 6 months. Some private insurance plans will cover this.

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Teaching Schedule

Time	Description	
09:00 – 09:15	- Patient history. Vital signs.	
09:15 – 10:15	- Teaching from training binder - Practice with mix 2 vials - Teach how to find a suitable vein.	- Practice set up - Practice priming tubing
BREAK – hydrate, eat, walk around		
12:30 – 13:30	-Practice with “arm” – both sides. -Teach subject what to do when needle is above or at sides of vein -Teach what to do when subjects “blows” the vein	
13:30 – 14:30	-Subject sets up and infuses RIGHT arm	
14:30 - END	-Subject sets up and infuses LEFT arm *If partner is present they do the same on other arm*	

Session is not complete or satisfactory unless subject can successfully cannulate and infuse both arms

Different Ways to Find a Vein

Patients are given the following information:

- Hold your arms in warm water for a few minutes
- Hang your arm down. Slowly open and close your hand.
- Apply a warm wash cloth over the site for a few minutes. Can use crack packs.
- Hang your arm down, and then put on the tourniquet. Open and close your hand, then bring your hand up
- Make sure you are well hydrated!

Infusion Tips

- Good lighting. May use OTT lamp available from Michaels Craft Store (no shadows)
- Put pillow under arm/elbow.
- Tourniquet should be tight. (Do not leave on for more than 2 minutes)
- Choose straight smooth veins that are easy to see. Many people use the same vein for many treatments. This is called tunnelling as scar tissue creates a natural opening for the needle.
- Always remember to loosen the tourniquet once you are in the vein.
- The needle does NOT need to be pushed in all the way to the end of the butterfly. Once you are in, you will see a flash of blood.
- You do not have to tape butterfly while injecting but try very hard not to move needle whilst infusing as it can come out or become dislodged.

STOP Injecting if you notice:

- There is a bump under the skin around the vein site.
- The Berinert seems harder to inject.
- There is a stinging /painful sensation around the site.

The needle may have changed position in the vein. Pull the plunger back to check for blood. If no blood return, remove from vein, discard butterfly. Start again with new primed butterfly and new site.

Patient Teaching

- Subjects are taught how to do infusion logs; the importance of the logs; and what to do with them.
- Travel letter given to patient. Customized.
- Letter for Emergency Room.
- Letter for dentist.
- Letter for school.
- Information on allaboutHAE.ca (The HAE website)
- Introduction and the importance of the Product Monograph.
- What to do in the case of a laryngeal attack.
- What to do when venipuncture fails.
- How and when to order more Berinert.
- How to dispose of waste.
- How to order ancillary supplies.
- Side effects and how and when to report them.



Discharge Orders

- Contact your nurse after you have done your first infusion
- Make sure you always have 2-3 doses on hand.
- Make note of your first and second choice of veins on each arm.
- If infusing only with each attack, follow these instructions:
 - Set up and insert a dry butterfly TWICE weekly for the first month. Remember to watch for the flash of blood to know if you are in the vein.
 - Do the same ONCE weekly after that.
- If attacks are less than monthly, continue to practice weekly.
- Contact your doctor for treatment instructions if you are booked for surgery or major dental work

Follow Up

- Ensure MD has specified follow up instructions.
- The nurse case manager will contact the subject on a regular basis to ensure that patient skills for IV self administration are maintained
- Follow up by Skype, Face Time, phone call or by visit.
- Subjects who do not have frequent attacks may need weekly practice or further teaching visits to keep up skills.
- Subject knows that another teaching session is available if needed and always has the educator's contact details.

Patients are trained according to CSA standards:

- Storage conditions for Berinert[®]
- Preparation for administration of Berinert[®]
- Safe disposal of needles/ containers following administration of Berinert[®]
- Reporting and follow-up for medication errors and other adverse events.
- Return and disposal of unused Berinert[®]
- Traceability. Instructions given re the importance of log books/diary.
- Process for notification of product recall.
- Instruction of patients regarding their responsibilities.

Questions?

- Thank you for your time.
- Are there any questions?

