



At Canuck Place, the subcutaneous route for medications is often used through a small tube for pain and symptom management and for hydration. A subcutaneous butterfly catheter (BD Saf-T-Intima) is used for intermittent infusions.

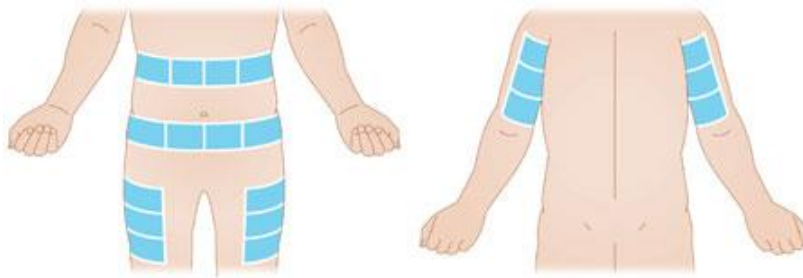
### Equipment

- Butterfly BD Saf-T-Intima™ and Tegaderm
- Local Anaesthetic cream and Tegaderm (if required, based on child preference).
- Catheter tubing labeled with date
- Medication bag labeled with date or Pharmacy prepared cassette
- Alcohol swab

### Procedure

#### Catheter Care:

- A BD Saf-T-Intima™ is inserted for continuous subcutaneous infusions
- To avoid infection, the set should not be immersed in water. For this reason, your child cannot go swimming. Your child can have a bath or shower as long as the set is not covered in water.
- After it is placed, the set should not be painful. And, usually receiving medication through the set will not cause pain. **If your child has more than mild discomfort, you should call your nurse.**
- **If you notice any signs of infection, such as fever, redness, drainage or swelling, report these to your doctor or nurse right away.**
- The Butterfly BD Saf-T-Intima™ should be changed every seven days.
- Rotate sites for catheter insertion to avoid tissue damage
- Insertion sites include the posterior aspect of the upper arm, anterior thigh or the abdomen.





**Procedure for BD Saf-T-Intima™ Butterfly Insertion:**

- 1) WASH hands
- 2) Apply analgesic to site of where BD Saf-T-Intima™ will be inserted. If using EMLA cream, apply at least 1 hour prior to procedure and if using Ametop, apply at least 30 minutes prior to procedure and cover cream with Tegaderm dressing
- 3) Remove analgesic topical cream and CLEANSE site with alcohol and allow to dry
- 4) Remove side port plug and add Smart Site Needle Free Valve Port cap to prime catheter (Figure A –B)
- 5) Holding catheter as illustrated (Figure C), rotate safety barrel to loosen needle.
- 6) Make sure bevel is oriented and not covered by the catheter.
- 7) HOLD catheter hub and remove protective cap.
  - a) During insertion, grasp pebbled side of wings, pinching firmly.
- 8) PINCH skin at site of insertion. INSERT BD Saf-T-Intima™ as far as possible, at a 20-45 ° angle, in one smooth quick movement, with bevel up. Release wings and stabilize. **Note:** If insertion is too slow, there is a risk of catheter peeling back from needle
- 9) REMOVE steel needle by stabilizing the catheter, grasp the white shield and pull in a straight and continuous motion. The shield will come off and expose the adapter (Figure D).

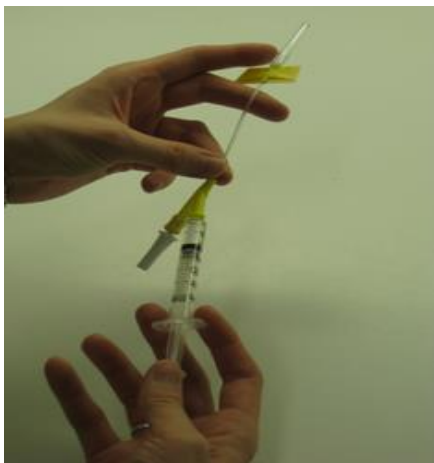


Figure A

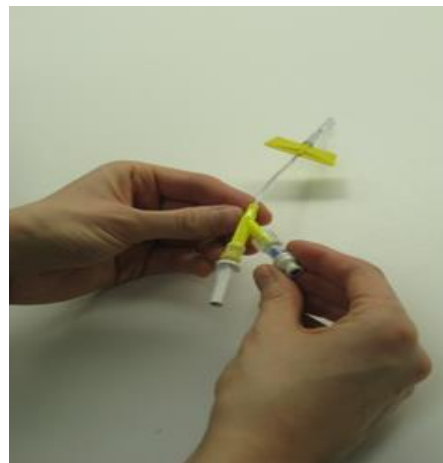


Figure B



Figure C



Figure D

- 10) SECURE BD Saf-T-Intima™ ensuring the insertion site is covered and clearly visible and add Smart Site Needle Free Valve Port cap to the hub. MARK on tegaderm date of insertion and medication to be infused if more than one site is established
- 11) Place needles in a puncture-resistant, leak-proof sharps container (Sharps Container)

### **Medication Administration using BD Saf-T-Intima:**

1. Inspect insertion site for presence of ANY pain, discomfort, redness, leakage, bleeding, swelling, or bruising/hematomas (palpate site for small lumps beneath skin surface). (Figure 3). If any problems identified, the BD Saf-T-Intima should be replaced prior to administering the dose.
2. Wash hands.
3. Clean the Smart Site Needle Free Valve Port with chlorhexidine/alcohol swab for 15 seconds and allow to dry for 60 seconds
4. Insert syringe into the hub and twist slightly to lock in place.
5. Inject the medication slowly then remove the syringe.
6. Dispose used supplies and equipment in appropriate container.
7. Wash hands

NB: As the dead space volume of the Saf-t-intima™ catheter is 0.0075 ml, it is unnecessary to flush the Saf-t-intima™ before or after use unless more than 10% of the dose will be lost in the dead space.



**If you have any questions, please call Canuck Place: 604-742-3475**

If you have any feedback to help us improve this document, please email [APN@canuckplace.org](mailto:APN@canuckplace.org)

## References

The Royal Children's Hospital of Melbourne. 2014. Subcutaneous Catheter devices Management of Insuflon and BD SafTIntima devices. [http://www.rch.org.au/rchcpg/hospital\\_clinical\\_guideline\\_index/Subcutaneous Catheter devices Management of Insuflon and BD SafTIntima devices/](http://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Subcutaneous_Catheter_devices_Management_of_Insuflon_and_BD_SafTIntima_devices/)

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