

TOTAL HIP REPLACEMENT

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The information provided herein is provided for educational purposes and represents the surgical techniques used by Dr. Britt. Catheter placement is intended for guidance only and is subject to the individual expertise, experience and school-of-thought of the surgeon placing the catheter. Always refer to the drug manufacturer's prescribing information when administering any drug with the ON-Q* Pain Relief System. This protocol is not to be construed as a specific recommendation of Avanos.

SAMPLE PROTOCOL

Drugs in Pump: Local anesthetic of physician's choice.

Catheter Placement: Before closure of the fascia, the introducer needle is inserted anterior to the incision using inside-out technique. The ON-Q* SilverSoaker* catheter is reverse threaded through the sheath to cover the abductors. Place the catheter at a position remote from the drain site so that removal of the drain does not interfere with the catheter. The drain is placed in the deep joint space. Following closure of the abductor mechanism, the catheter is then placed on top of this and positioned in the anterior and posterior gutters

underneath the gluteus maximus. The fascia and then the gluteus maximus are then closed over the catheter, taking care to not sew it into the closure.

Postoperative Bolus Technique: A bolus dose of local anesthetic may be administered with consideration given to total daily dose and patient's clinical status.

Catheter Securement Technique: Narcotics consumption was decreased by two-thirds with the ON-Q* pump.

(Continued on Page 2)

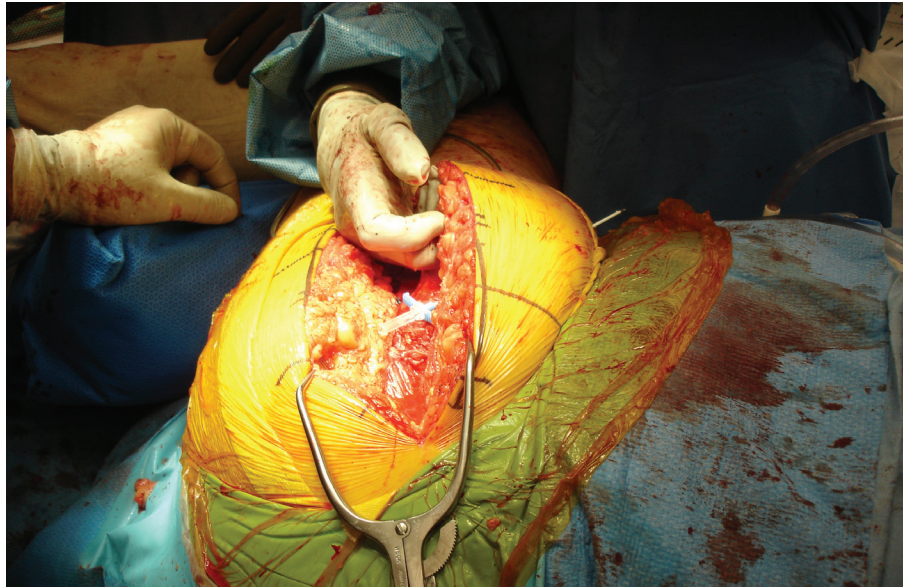
CAUTIONS AND WARNINGS

- Patient may experience loss of motor control or feeling at and around the surgical area. Physician should instruct patient on appropriate measures to follow to avoid patient injury.
- Medications used with this system should be administered in accordance with instructions provided by the drug manufacturer. Surgeon is responsible for prescribing drug based on each patient's clinical status (e.g., age, body weight, disease state of patient, concomitant medication(s)).
- Vasoconstrictors such as epinephrine or adrenaline are not recommended for continuous infusions.
- Avoid placing the catheter in joint spaces. Although there is no definitive established causal relationship, some literature has shown a possible association between continuous intra-articular infusions (particularly with bupivacaine) and the subsequent development of chondrolysis.
- Refer to ON-Q* Pump Directions for Use for full instructions on using the ON-Q* Pain Relief System.

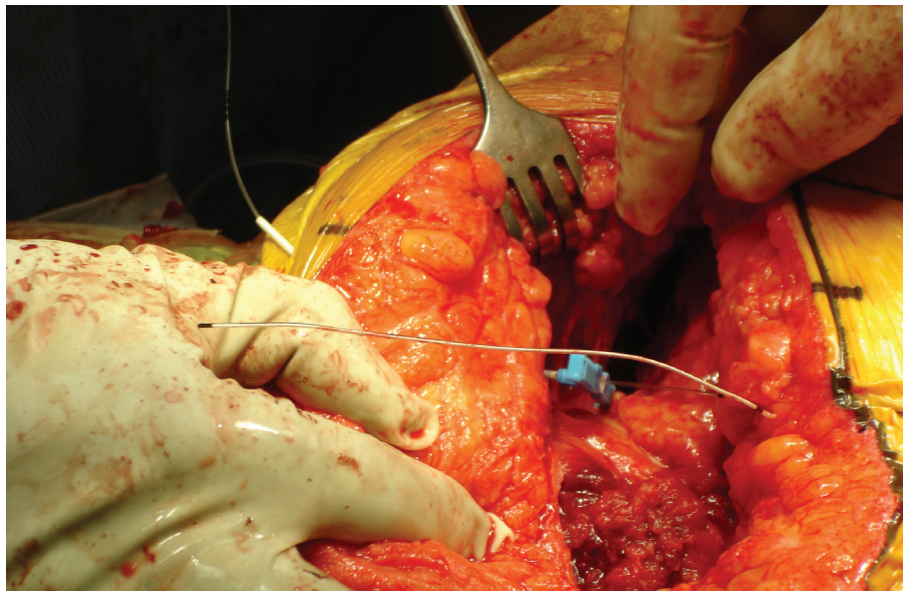


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Puncture Site



Introducer needle is inserted using inside-out technique.

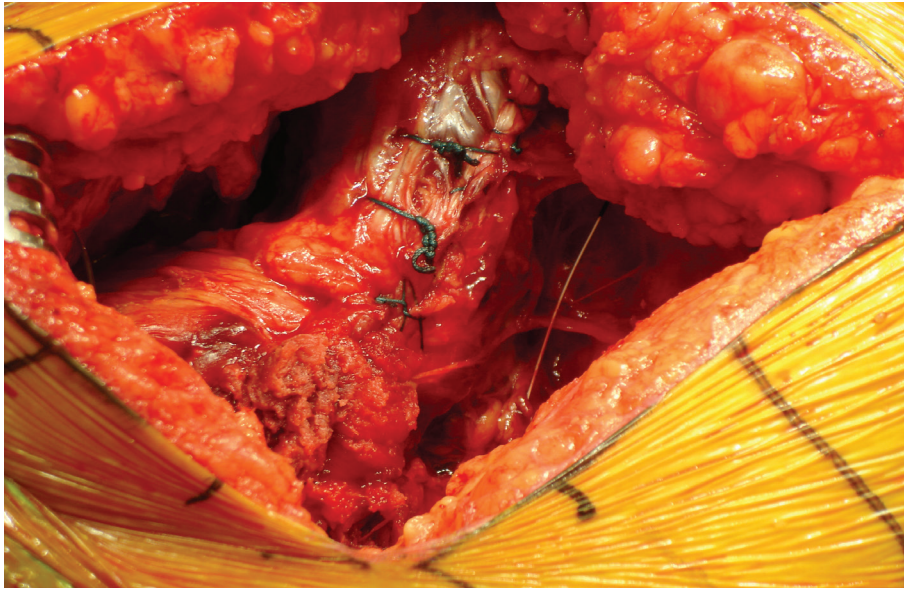


Reverse thread ON-Q* SilverSoaker* catheter through sheath.

These images are for general guidance only and not to be interpreted as precise anatomical illustration or construed as a specific recommendation of Avanos Medical.

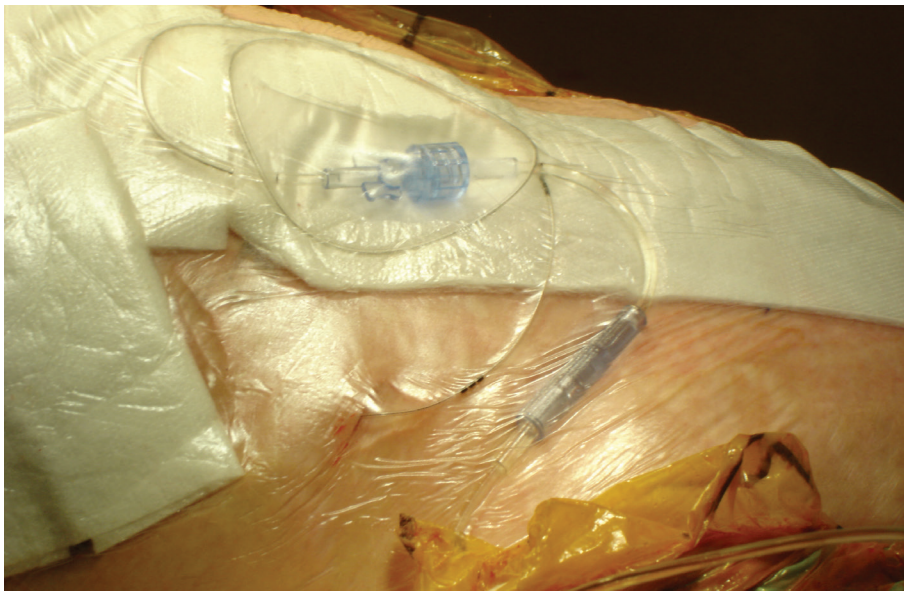
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Catheter Placement



Catheter is placed in the anterior and posterior gutters.

Securement



Catheter is coiled and secured with Steri-Strips® and Tegaderm®.

INDICATIONS FOR USE

- The ON-Q* pump is intended to provide continuous and/or intermittent delivery of medication (such as local anesthetics or narcotics) to or around surgical wound sites and/or close proximity to nerves for preoperative, perioperative and postoperative regional anesthesia and/or pain management. Routes of administration include: intraoperative site, perineural, percutaneous, and epidural.
- ON-Q* is intended to significantly decrease pain and narcotic use when used to deliver local anesthetics to or around surgical wound sites, or close proximity to nerves, when compared to narcotic only pain management.

CONTRAINDICATIONS

- ON-Q* is not intended for blood, blood products, lipids, fat emulsions, or Total Parenteral Nutrition (TPN).
- ON-Q* is not intended for intravascular delivery.

There are inherent risks in all medical devices. Please refer to the product labeling for **Indications, Cautions, Warnings** and **Contraindications**. Failure to follow the product labeling could directly impact patient safety. Physician is responsible for prescribing and administering medications per instructions provided by the drug manufacturer. Refer to www.avanospainmanagement.com for additional product safety Technical Bulletins.

For more information please visit: avanospainmanagement.com
Call 800-448-3569 in the United States and Canada.