IN THE BATTLE AGAINST
CATHETER CONTAMINATION
ACUTE DIALYSIS
HOW TO FIGHT BACK AGAINST CATHETER CONTAMINATION
YOUR TRIPLE DEFENSE CHOICE

STEP 01
STERILE PROCEDURE
MAX BARRIER
Use max barrier precautions, including cap, mask, sterile gown & sterile full body drape.
INS SOP 2011

STEP 02
ANTIMICROBIAL DRESSING
GUARDIVA® DRESSING
CDC guidelines recommend the use of a chlorhexidine-impregnated sponge dressing for temporary short-term catheters if adherence to other strategies has not proven/been effective.
CDC Guidelines 2011

STEP 03
SCRUB THE HUB™
SITE-SCRUB® IPA DEVICE
Minimize contamination risk by scrubbing the access port with an appropriate antiseptic (Chlorhexidine, povidone iodine, an iodophor, or 70% alcohol) and accessing the port only with sterile devices.
CDC Guidelines 2011

Nurses should disinfect the ports of the add-on devices using friction, with an appropriate disinfectant such as 70% alcohol before accessing.
INS SOP 2011

CDC Guidelines recommend the use of a Chlorhexidine-impregnated sponge dressing for temporary short-term catheters if adherence to other strategies (i.e., education and training, maximal sterile barrier precautions, and >.05% Chlorhexidine preparations with alcohol for skin antisepsis) has not proven effective.

Indications for Use: The Site-Scrub® IPA Device is intended for use on injection ports and female luer hubs as a disinfecting cleaner.
Acute Renal Failure can require dialysis. Up to ten percent of ICU patients may have Acute Renal Failure and require dialysis.

1 Wesibord et al, Acute Renal Failure in the ICU; Seminars in Respiratory and Critical Care Medicine/Volume 27, No. 3, 2006
2 Uchino et al, Acute Renal Failure in Critically Ill Patients, A multinational Study; JAMA, Vol 294, No. 7, pp813-818, 2005
HEMODIALYSIS

therapies continue to expand

Forms of dialysis continue to increase due to various types of conditions such as sepsis, cardiogenic shock, major surgery, drug related organ failure, etc. 3,4,5

requires the use of a vascular access device (VAD)

360,000+

It is estimated that over 350,000 acute dialysis catheters will be used in the US in 2014. This number is expected to increase to over 360,000 by 2019.

50%

In blinded surveys, responding nephrologists indicated that over 50% of acute dialysis catheters used for CRRT/SLED are placed bedside.


4 Weisbord et al, Acute Renal Failure in the ICU; Seminars in Respiratory and Critical Care Medicine/Volume 27, No.3, 2006

5 Uchino et al, Acute Renal Failure in Critically Ill Patients, A multinational Study; JAMA, Vol 294 No. 7, pp813-818, 2005

6 IMS Q4 2012 Data

FULL MAX BARRIER TRAY

DESIGNED WITH CLINICIAN AND PATIENT SAFETY IN MIND.

Includes maximal barrier precaution components organized for efficient sterile placement.
MAX BARRIER TRAYS HELP PHYSICIANS TO MEET THE FOLLOWING GUIDELINES:

- Centers for Disease Control (CDC)
- Institute for Healthcare Improvement (IHI) 5 Million Lives Campaign
- Occupational Safety and Health Administration (OSHA)

CLINICIAN & PATIENT SAFETY
An easy to use tall max barrier tray designed to meet clinician needs.

Maximal Barrier Trays Feature:
- Full body fenestrated drape (70" x 110")
- Surgical Gown
- Bouffant Cap
- Face Masks
- Gloves
- Safety Needles
- Safety Scalpel

PATIENT COMFORT
Alphacurve® catheter and curved extension leg catheter options keep connection hubs away from patient ear, nose, and mouth area.

Indications for Use: The Power-Trialysis® Short-Term Dialysis Catheter, with a third internal lumen for intravenous therapy, power injection of contrast media, and central venous pressure monitoring, is indicated for use in attaining short-term (less than 30 days) vascular access for hemodialysis, hemoperfusion, and apheresis treatments. The catheter is intended to be inserted in the jugular, femoral, or subclavian vein as required. The maximum recommended infusion rate is 5 ml/sec for power injection of contrast media.
GUARDIVA®
ANTIMICROBIAL HEMOSTATIC IV DRESSING

Why settle for a dressing that simply reduces bacteria?
The GuardIVA® dressing reduces 99.99% of bacteria¹ AND controls bleeding².

ANTIMICROBIAL

*In vitro* testing demonstrated sustained antimicrobial efficacy for up to 7 days against test organisms known to cause CRBSIs. A 4 log (99.99%) reduction in microbial count was observed for all test organisms.

HEMOSTATIC

The GuardIVA® dressing is currently the ONLY antimicrobial dressing indicated for control of surface bleeding at insertion sites. It contains M•DOC™ (microdispersed oxidized cellulose), a proprietary compound designed to control bleeding.

¹As demonstrated through *in vitro* testing on the following bacteria: S. aureus, S. epidermidis, P. aeruginosa, E. coli, C. parapsilosis, C. albicans. Data on file.

²As demonstrated through *in vivo* testing. Data on file.
Simulated testing may not be indicative of actual clinical outcomes.
INHIBITS BACTERIA GROWTH
An in vivo test on healthy human volunteers demonstrated the GuardIVa® dressing’s ability to suppress re-growth of skin microflora following skin preparation. Results found that the GuardIVa® dressing maintained skin flora counts below post-skin prep counts, significantly lowering skin flora re-growth at day 7 and day 10 compared to the control.2

CONTROLS BLEEDING
Wounds treated with the GuardIVa® dressing had up to 7 times less blood loss compared to those treated with gauze alone, and stopped bleeding 56.6% faster.2

ALLOWS HEALING
The GuardIVa® dressing allows wounds to heal in a manner more consistent with untreated wounds. An in vivo wound healing study found that after 7 days, there was no statistically significant difference between the untreated and the GuardIVa® dressing test groups with respect to percent wound healing.2

Warning: Do not use GuardIVa® Dressing on patients with a known sensitivity to chlorhexidine gluconate. The use of chlorhexidine gluconate containing products has been reported to cause irritation, sensitization, and generalized allergic reactions. If any such reactions occur, discontinue use of dressing immediately, and if severe, contact a physician.

Indications for Use: The Bard® GuardIVa® Antimicrobial Hemostatic IV Dressing is intended for use as a hydrophilic wound dressing to absorb exudate, cover and protect catheter sites. Common applications include IV catheters, other intravenous catheters and percutaneous devices. It is also indicated for control of surface bleeding from percutaneous catheters and vascular access sites.

Please consult product labels and inserts for any indications, contraindications, hazards, warnings, precautions, and directions for use.

2As demonstrated through in vivo testing. Data on file. Simulated testing may not be indicative of actual clinical outcomes.
Site-Scrub® IPA Device helps you comply with the CDC Guidelines and INS Standards of Practice that recommend the use of a friction scrub to disinfect catheter hubs.

**FRICTION**

**SPEED**

1. Twist the Site-Scrub® IPA Device back and forth a minimum of 8 times for a minimum of 10 seconds.
2. Remove the Site-Scrub® IPA Device and discard as per facility protocol.
3. Allow hub to dry for a minimum of 5 seconds.

**Efficacy**

The results of *in vitro* antimicrobial efficacy testing showed that Site-Scrub® IPA Device is effective for significantly reducing on average ≥99.999% (≥5 Log10) microbial load of the following microbes, which are known to be associated with catheter line-associated bloodstream infections (CLABSI):¹

- S. aureus
- S. epidermidis
- P. aeruginosa
- E. coli
- C. parapsilosis
- C. albicans

Note: Clinical studies of the Site-Scrub® IPA Device to evaluate reduction in infection have not been performed. *In vitro* or bench data may not be indicative of clinical outcomes.

¹Internal data on file.

**Indications for Use:** The Site-Scrub® IPA Device is intended for use on injection ports and female luer hubs as a disinfecting cleaner. Please consult product labels and inserts for any indications, contraindications, hazards, warnings, precautions, and directions for use.
Designed to help **increase compliance** and **decrease catheter contamination**.

The CDC and INS recommend implementing use of **full max barrier precautions**, an **antimicrobial dressing** and **scrub the hub protocols** to help lower the risk for contamination.
As your partner in Fighting “Dirty”, Bard can provide you with a triple defense choice to help you increase your compliance, and help fight catheter contamination.
Please consult product labels and inserts for any indications, contraindications, hazards, warnings, precautions, and directions for use.