Step Tip Placement

Split Tip Performance

EQUISTREAM®
Long-Term Hemodialysis Catheter

EQUISTREAM® XK
Long-Term Hemodialysis Catheter
The split-tip technology of the 14.5F EQUISTREAM® and 16F EQUISTREAM® XK Long-Term Hemodialysis Catheters provides optimized flow for efficient dialysis and ease of access for right atrium placement.

**Efficient Dialysis**
- Nested tip design enables right atrium placement of both tips for optimal flow per KDOQI guidelines\(^1\)
- Recirculation <2% on average in forward and reverse when tested in-vitro\(^2\)
- High flow rates of 500 ml/min on average\(^3\)

**Multiple Choices**
- Wide range of lengths
- Straight or ALPHACURVE® configurations

**Ease of Use**
- Preloaded stylet facilitates easier over-the-wire insertion\(^4\)
- Kits include the AIRGUARD® Valved Introducer designed to reduce the risk of air embolism and blood loss

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**14.5 F vs. 16 F Catheter Performance (500 mL/min Flow Rate)**

<table>
<thead>
<tr>
<th>Pressure (mmHg)</th>
<th>14.5 F</th>
<th>16 F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Venous</td>
<td>148</td>
<td>116</td>
</tr>
<tr>
<td>Arterial</td>
<td>-161</td>
<td>-124</td>
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</tbody>
</table>

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</tr>
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<td>-207</td>
<td>-131</td>
</tr>
</tbody>
</table>

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1. NKF K-DOQI Guideline 12
4. Straight codes only.

Bench data on file. May not necessarily correlate to clinical performance. Based on simulated testing. Different tests may yield different results.
Large luer connectors designed for durability during long-term use

Nested split tip design enables right atrium placement of both tips

SURECUFF® tissue in-growth cuff

Fixed suture wings to promote and ensure stability

360° multiple side holes provide alternate flow paths

ALPHACURVE® Pre-curved catheter have 16 mm more tip adjustability than 180° U-curve configuration

Equistream® Long-Term Hemodialysis Catheter

Equistream® XK Long-Term Hemodialysis Catheter
Hemodialysis Catheters

1. Alcohol or alcohol-containing antiseptics (such as chlorhexidine) should not be used for locking, soaking or declotting polyurethane catheters. Chlorhexidine Polyethylene Glycol (PEG)-containing ointments can cause failure of this device. It is recommended that the ointment be allowed to completely dry before applying dressings. Acetone and other organic solvents should not be allowed to come into contact with the catheter sheaths. Solutions should be avoided that contain odorants (e.g., cetylpyridinium chloride). Such solutions may compromise the opening of the catheter lumens and lead to potential connector failure. In case of damage, the connector should be replaced. Other acceptable compounding solutions are intended for use over a guidewire to aid in placement. Inserting a stylet or guidewire on the catheter tip can result in damage to the catheter wall, and a potential leak. 

2. A three-pound (1.36 kg) weight, or a similar weight or volume of water, should be used to compress the catheter between the first rib and clavicle and can lead into the subclavian vein medially, because such placement can lead to complications. 

3. The catheter should not be inserted into the axillary-subclavian vein at the junction of the outer and mid-thirds of the subclavian vein. 

4. The first rib and clavicle lateral to the thoracic outlet. The catheter should not be inserted into the axillary-subclavian vein at the junction of the outer and mid-thirds of the subclavian vein. 

5. Alcohol should not be used to lock, soak or declot polyurethane catheters. 


7. The BPV/HDCA/0716/0007(3)

Indications For Use

The EQUISTREAM® and EQUISTREAM® XK Long-Term Hemodialysis Catheters are intended for use in attaining short-term or long-term vascular access for hemodialysis, hemoperfusion, or apheresis therapy. Access is attained via the internal jugular vein, external jugular vein, subclavian vein, or femoral vein. Catheters longer than 40 cm are intended for femoral vein insertion.

Contraindications

This device is contraindicated for patients exhibiting severe, uncontrolled thromboplastin or coagulopathy.

Warnings

WARNING 1. Percutaneous insertion of the catheter should be made into the axillary-subclavian vein at the junction of the outer and mid-thirds of the clavicle lateral to the thoracic outlet. The catheter should not be inserted into the subclavian vein medially, because such placement can lead to complications. 

2. Fluoroscopic or radiographic confirmation of catheter tip placement should be helpful in detecting arrhythmias. 

3. Close all clamps only in the center of the extension line. Clamping in other locations can damage the catheter and may lead to potential connector failure. In case of damage, the connector should be replaced. 

4. The complications listed below as well as other complications are well documented in medical literature and should be carefully considered before placing the catheter. Placement and care of EQUISTREAM® and EQUISTREAM® XK catheters should be performed by persons knowledgeable of the risks involved and qualified in the procedure.

Possible Complications

The use of an indwelling central venous catheter provides an important means of vascular access for critically ill patients, however, the potential exists for serious complications including the following: Air Embolism, Bacterial Pneumonia, Bacterial Pneumonia, Bacterial Pneumonia, and other complications which may lead to potential connector failure. In case of damage, the connector should be replaced.

References


Please consult package inserts for more detailed safety information and instructions for use.

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EQUISTREAM® and EQUISTREAM® XK Long-Term Hemodialysis Catheters

Insertion Length Catheter Length Product Code

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<thead>
<tr>
<th>Insertion Length</th>
<th>Catheter Length</th>
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Standard Kit Contents - 14.5 F or 16 F (XK)

1. Each Adhesive Dressings
2. Each AirGuards™ Valved Introducer – 15 F
3. Each Dilator – 8 F
4. Each Dual Lumen Catheter – 14.5 F
5. Each Dilator™ Vessel Dilator – 10-12 F
6. Each End Caps
7. Each Guide Wire – 70 cm x 0.038 in.
9. Each Tunneil

Additional XK Standard Kit Contents - 16 F (XK)

1. Each Dualil™ Vessel Dilator – 14-16 F
2. Each Dualil™ Vessel Dilator – 15.5-17.5 F
3. Each Scapel

Microintroducer Kit Contents - 14.5 F Only

1. Each Adhesive Dressings
2. Each AirGuards™ Valved Introducer – 15 F
3. Each Dilator – 9 F
4. Each Dual Lumen Catheter – 14.5 F
5. Each Dualil™ Vessel Dilator – 10-12 F
6. Each Dualil™ Vessel Dilator – 14-16 F
7. Each Dualil™ Vessel Dilator – 15.5-17.5 F
8. Each End Caps
9. Each Guide Wire – 45 cm x 0.018 in.
10. Each Guide Wire – 120 cm x 0.038 in.
12. Each Microintroducer – 5 F
13. Each Tunneil

Physician’s Signature

Contact Phone No.

Representative’s Name

Product and Packaging Are Not Made with Natural Rubber Latex