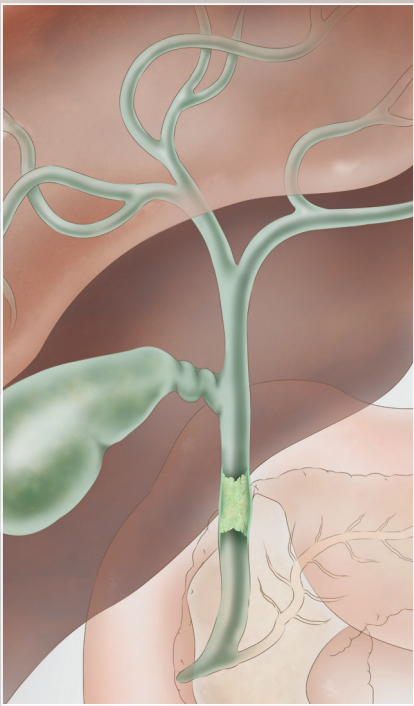


The single-procedure approach to percutaneous access for drainage and transluminal forceps biopsy of biliary strictures.

AN ILLUSTRATED GUIDE



TRANSLUMINAL BILIARY BIOPSY FORCEPS SET



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Customer Service

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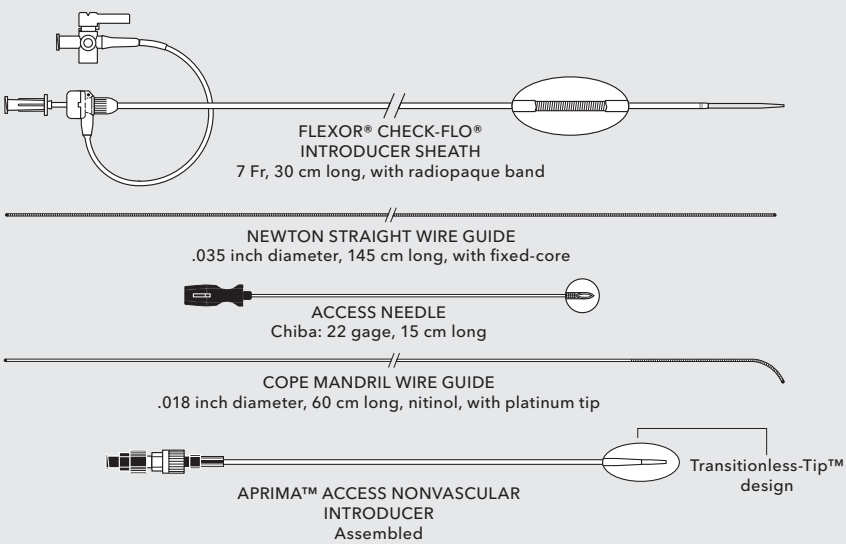
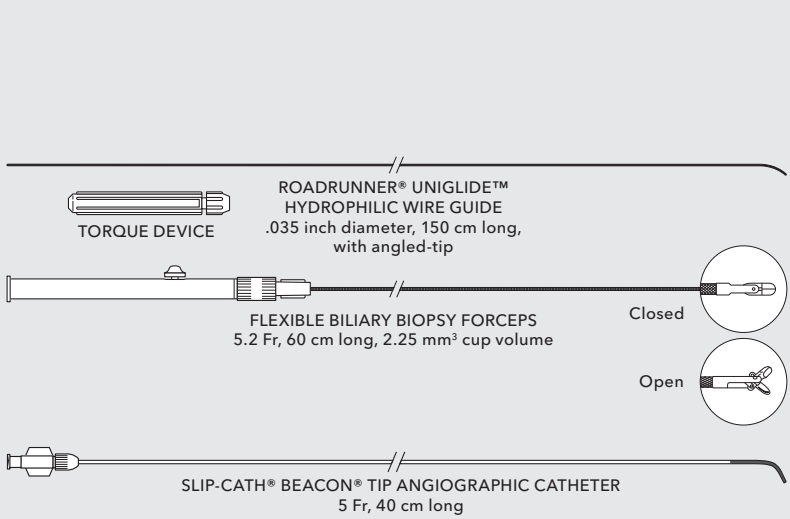
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Achieve percutaneous biliary access and perform transluminal forceps biopsy with one efficient set.



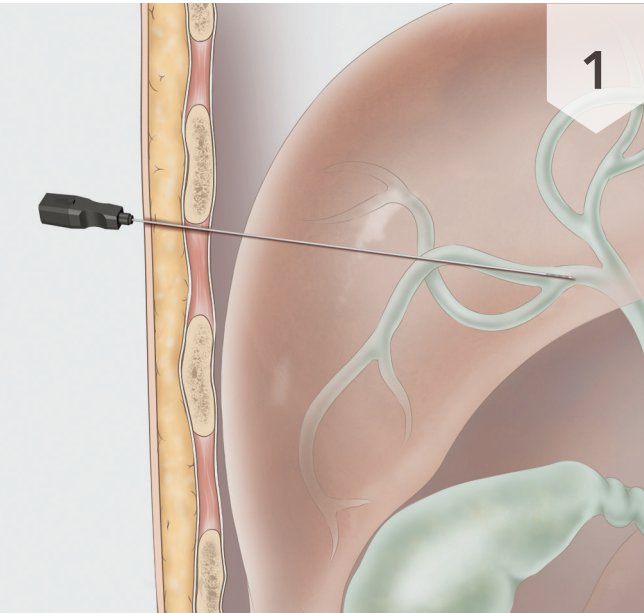
Order Number	Reference Part Number	Introducer Fr	Introducer Length cm	Wire Guide Diameter inch	Wire Guide Length cm	Biopsy Forceps Volume mm³
G26088	BBFS-100	7	30	.035	145/150	2.25

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

The following steps outline how to use the Transluminal Biliary Biopsy Forceps Set to access and biopsy tissue within the biliary ductal system.

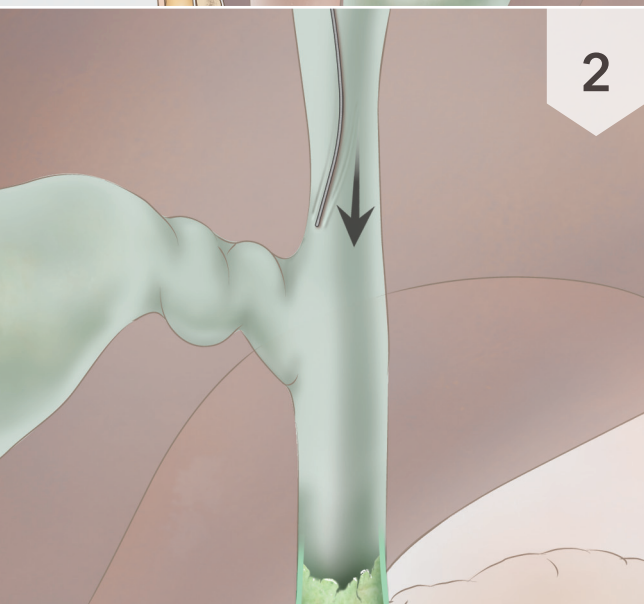
Note: For complete information, refer to the instructions for use included with the product.

Initial Percutaneous Access

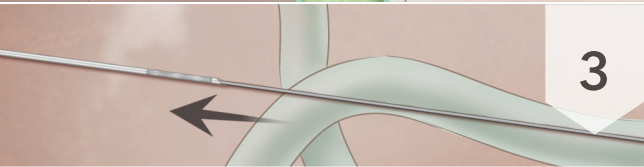


Note: If access to the biliary ducts is already present, steps 1-5 may be omitted.

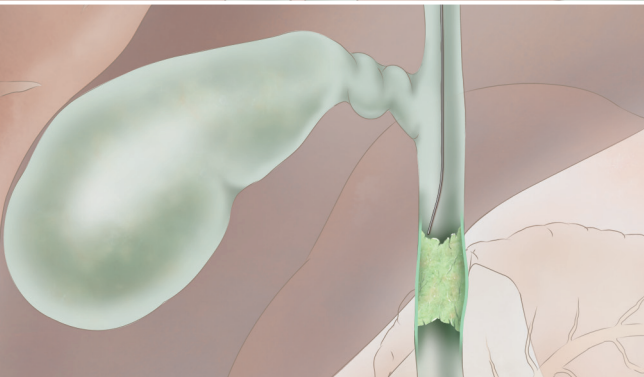
Establish percutaneous access to desired location within the biliary ductal system using the 22 gage Chiba needle. Confirm the needle tip position, then remove the stylet from the percutaneous puncture needle.



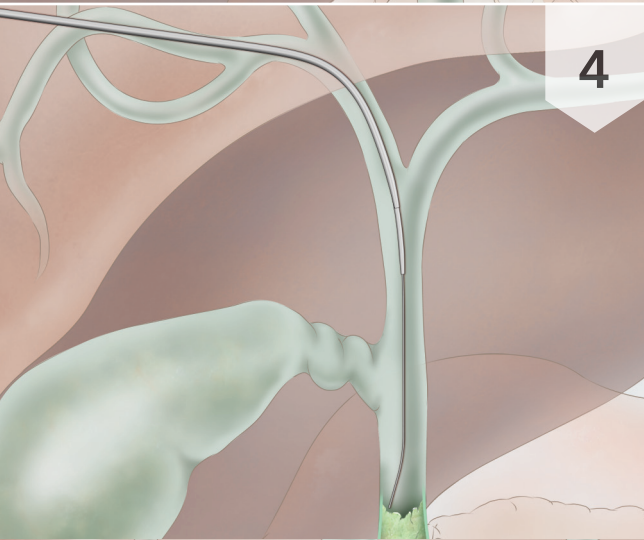
Advance the 0.018 inch mandril wire guide through the needle cannula into the biliary duct, confirming position with imaging guidance.



Maintaining position of the wire guide, remove the needle cannula.

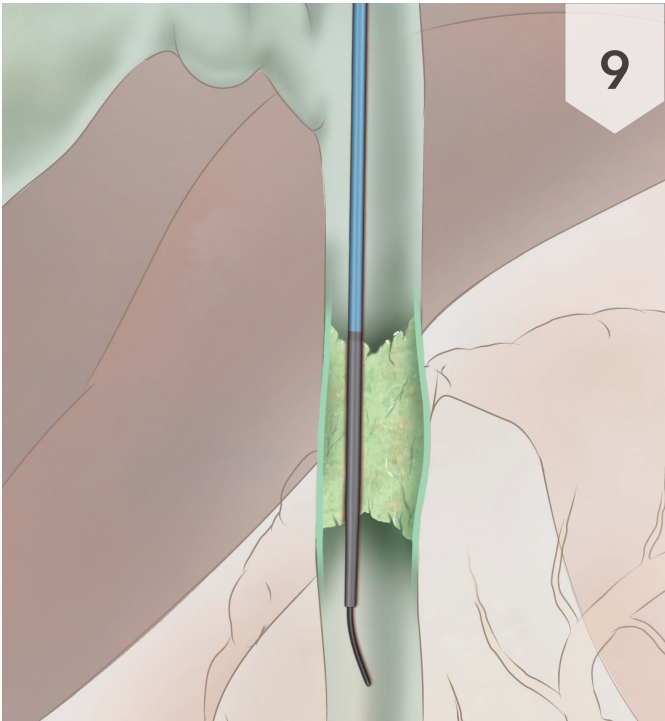


Advance the access introducer assembly over the wire guide until the distal tip is within the biliary ductal system.

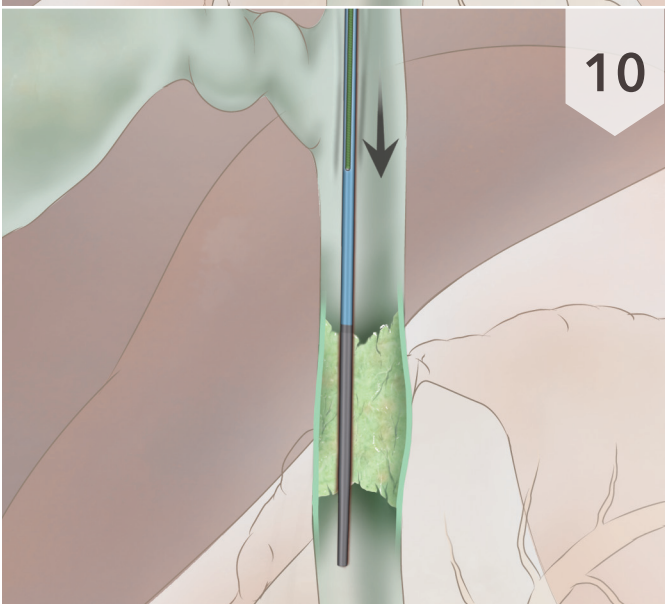


Maintaining position of the outer access sheath, remove the wire guide, stiffening cannula and dilator.

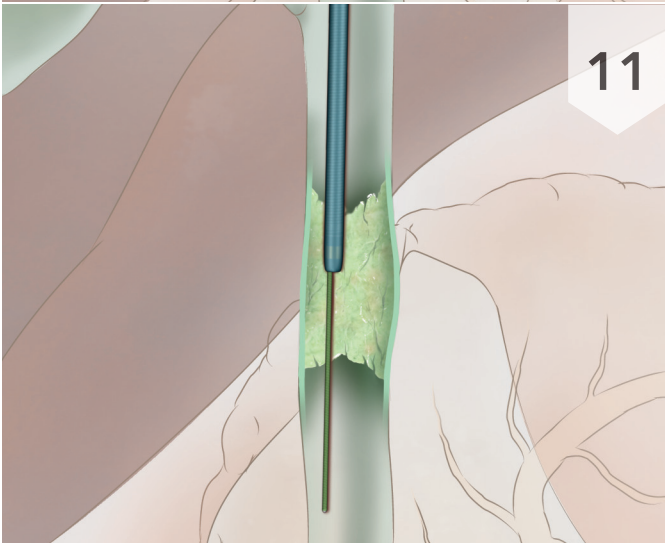
Note: If desired, the wire guide can remain in position as a safety wire.



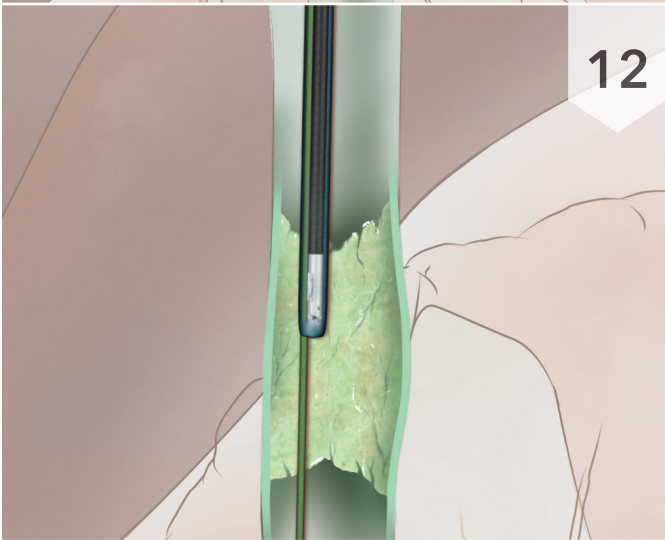
Advance the wire guide and catheter as a unit, positioning the wire guide and catheter tips beyond the area to be biopsied.



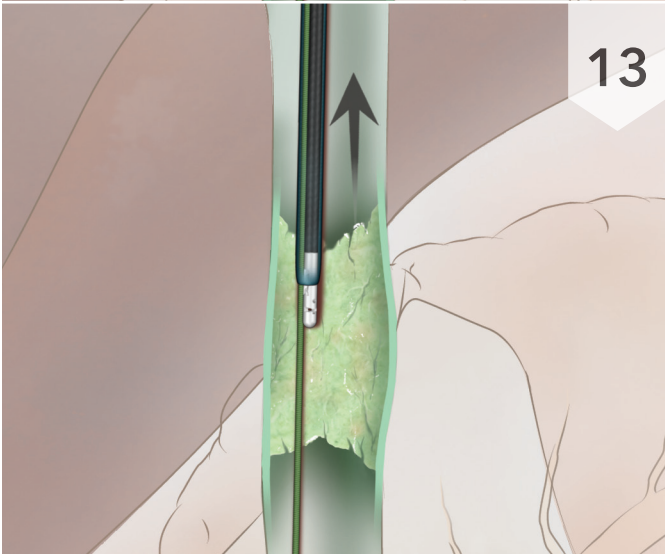
Exchange the 0.035 inch angled-tip, hydrophilic-coated wire guide for the 0.035 inch fixed-core wire guide, keeping the catheter in position beyond the target biopsy anatomy.



Maintaining the wire guide in position, remove the catheter. Insert the Flexor introducer sheath assembly over the wire guide, positioning the sheath tip at the ductal area to be biopsied. Remove the dilator from the Flexor introducer sheath assembly, leaving the wire guide in position within the sheath and across the target biopsy anatomy.

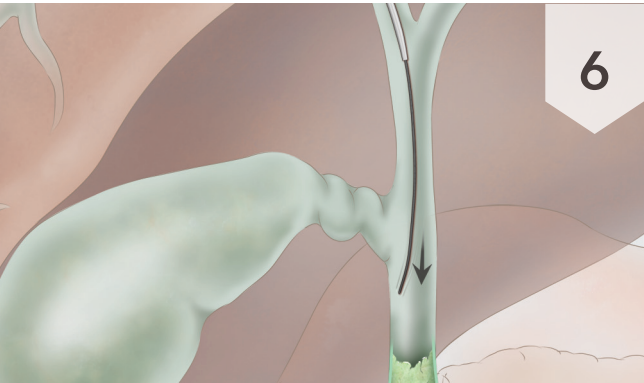


Insert the biliary biopsy forceps through the sheath, positioning the biopsy cup at the distal sheath tip.

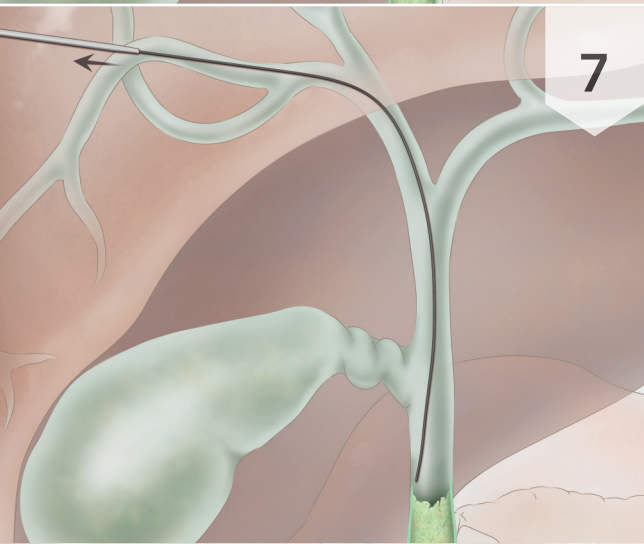


Maintaining forceps position, withdraw the Flexor sheath to uncover the biopsy cup mechanism. Position the sheath and forceps assembly at the intended biopsy site.

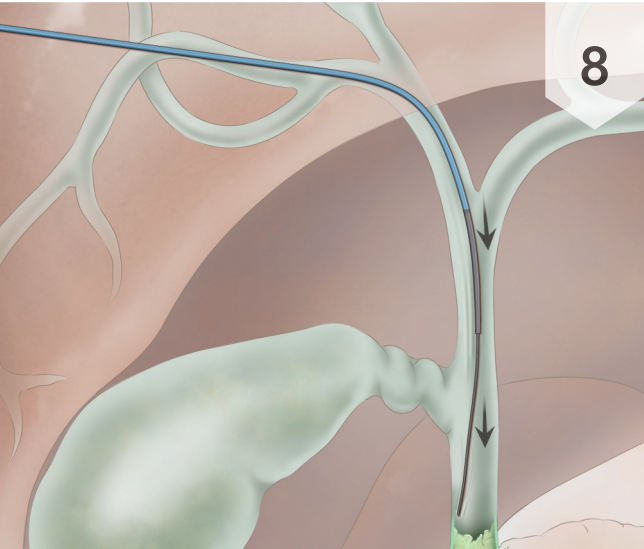
Percutaneous Transluminal Biliary Forceps Biopsy Procedure



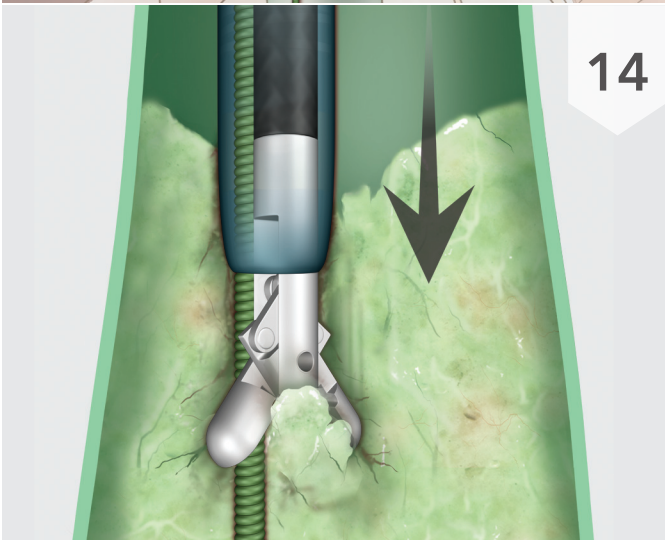
Insert the 0.035 inch angled-tip, hydrophilic-coated wire guide through the percutaneous access sheath or biliary drainage catheter.



Maintaining position of the wire guide in the biliary duct, remove the access sheath or catheter.

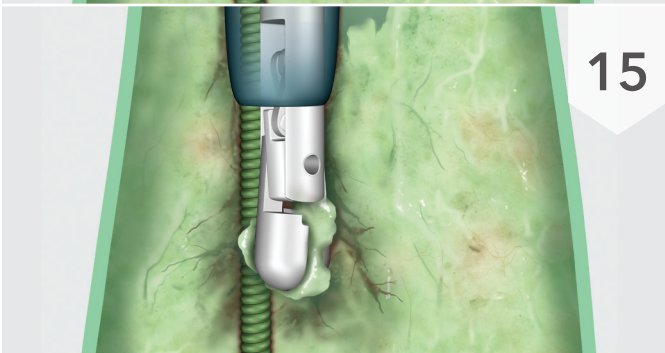


Insert the angiographic catheter over the wire guide and position it within the biliary ductal system.

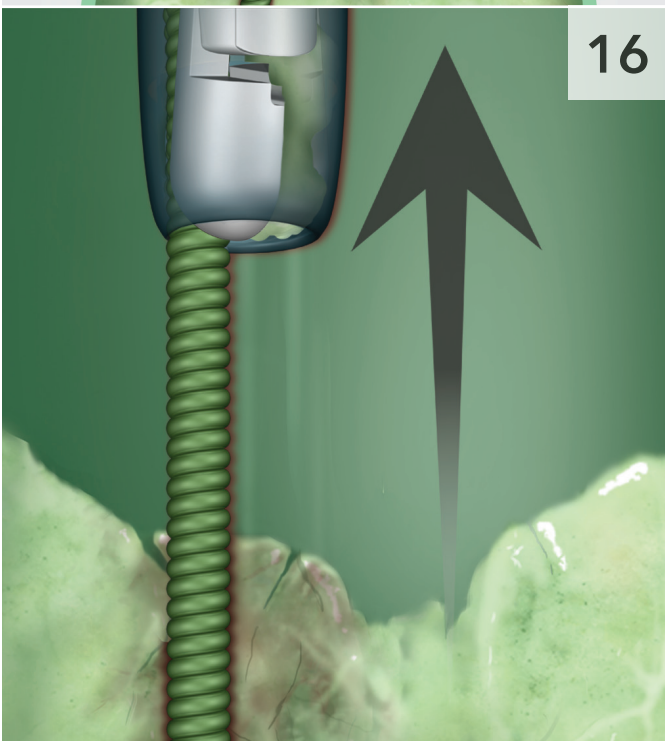


Move the thumb button on the handle of the forceps forward to open the biopsy cup.

Advance the opened cup to the area where the specimen for biopsy is to be obtained.



While maintaining forward pressure with the biopsy cup against the duct wall, retract the thumb button to close the jaws of the cup and secure the tissue specimen.



While maintaining the thumb button in the retracted position to ensure the cup remains closed and the specimen is kept intact, withdraw the biopsy forceps from the Flexor sheath and retrieve the specimen from the biopsy cup.

Once biopsy sampling is complete, the Flexor sheath may be exchanged over the wire guide for a biliary drainage catheter.

Note: If more than one biopsy specimen is required, rinse the forceps with saline and repeat steps 12-16.