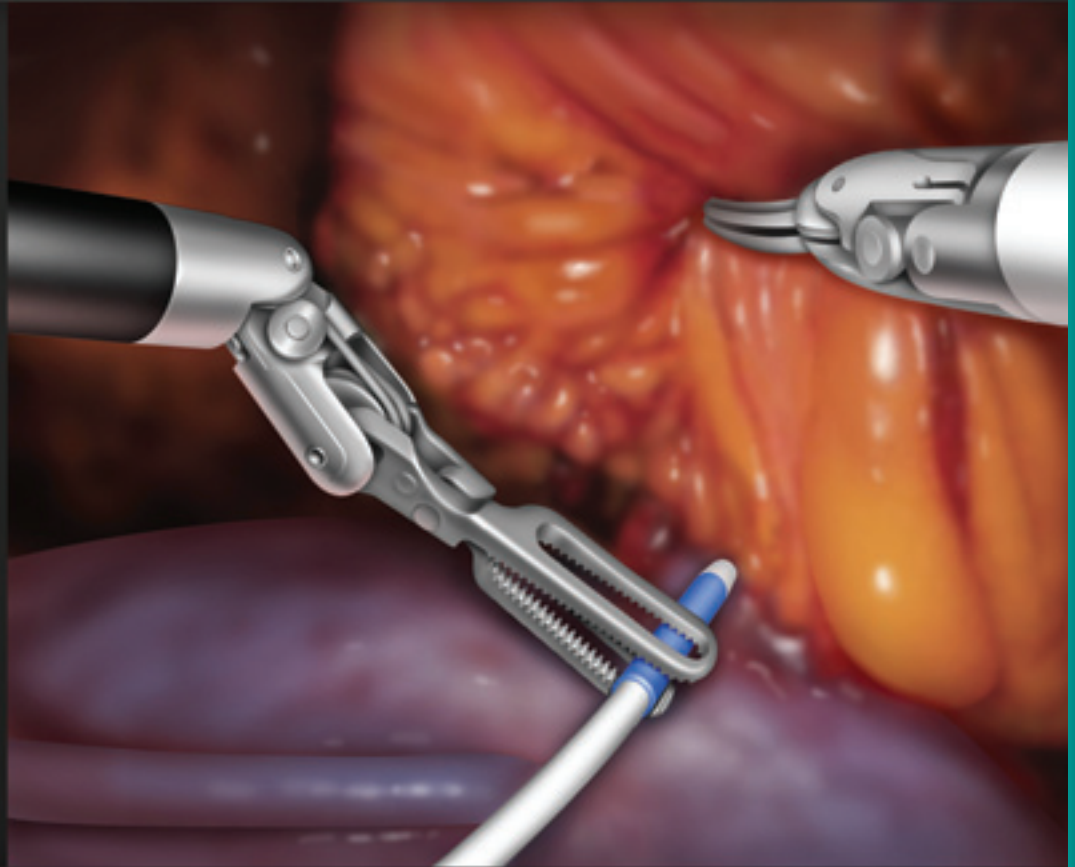


# "Drop-In" for Surgery

The VTI Flexible Drop-In Doppler for Robotic-Assisted Surgery:  
ALWAYS AVAILABLE, ROBOTICALLY CONTROLLED

## Benefits During Partial Nephrectomy

- Minimizes risk of significant bleeding<sup>1</sup>
- Leads to a change in operative management and significantly reduces hilar dissection time<sup>2</sup>
- Provides fast, efficient identification of the renal hilum without an added learning curve<sup>3</sup>



VTI Drop-In Doppler

## Puts you in control

By being placed at the surgical site, the new "drop-in" flexible probe puts the control of the probe back in the hands of the surgeon at the console.

*"[VTI's] flexible Drop-In Dopplers have definitely helped me in facilitating dissection of the renal hilum, particularly if there is a lot of fat over the hilar vessels or aberrant hilar anatomy with multiple vessels."\**

– Craig G. Rogers M.D.  
Director of Renal Surgery  
Henry Ford Hospital



HEARING IS BELIEVING

**VTI**  
Vascular Technology



# VTI Doppler Probes for Robotic-Assisted Surgery

## A Flexible, Slim Profile

During robotic surgery, the Drop-In Doppler is placed into the operative field through the assistant port. It can then be manipulated by the console surgeon via the robotic arms. Unlike intraoperative ultrasound, the VTI flexible Drop-In Doppler fits into small spaces and provides precise, pinpoint localization of the vasculature. It is ideally suited for facilitating hilar dissection and for confirming ischemia after clamping.

## Heard During Partial Nephrectomy

*"The flexible, laparoscopic Doppler probe can be left in the trocar and placed off to the side so my assistant can continue to use the trocar for other things, and I can [take] the flexible probe whenever I need it."*\*

– Craig G. Rogers M.D.  
Director of Renal Surgery  
Henry Ford Hospital

*"This probe provides a level of confidence that is essential in these challenging cases."*\*\*

– Michael Stifelman, M.D.  
Chief of Urology Service  
NYU Langone Medical Center



Scan the QR code to view the video  
"Robotic Partial Nephrectomy Using  
the Flexible Drop-In Doppler."

To view additional video  
demonstrations visit us on the Web.

**8MHz** Surgeons choose the VTI 8 MHz Surgical Doppler System to guide dissection & isolation of the renal hilum and aberrant vasculature during robotic renal surgery. With over 25% of patients presenting with variations in their renal vascular anatomy, the VTI Drop-In Doppler provides a SOUND SOLUTION to the challenges of robotic renal surgery.

**20MHz** The VTI 20 MHz Microvascular Doppler System is ideally suited to offer assured guidance in open, laparoscopic and robotic microvascular procedures.

## VTI Doppler Probe Advantages

- Safe, quick dissection of renal hilar vessels
- Identification of accessory arteries that require clamping
- Confirmation of adequate ischemia after clamping

## Ordering Information

Catalog#	Description
108910-AC	VTI 8 MHz Surgical Doppler Transceiver
108400-AC	VTI 20 MHz Surgical Doppler Transceiver
108110-Supply	Power Supply
108110-US	Hospital Grade Power Cord
108370	8 MHz Drop-In Probe, Sterile, Disposable (Box of 4)
108380	20 MHz Drop-In Probe, Sterile, Disposable (Box of 4)

WWW.VTI-ONLINE.COM  
Toll Free: 1-800-550-0856  
International: 603-594-9700



1. Mues AC, Okhunov Z, Badani K, Gupta M, Landman J. "Intraoperative evaluation of renal blood flow during laparoscopic partial nephrectomy with a novel Doppler system." J Endourol. 2010 Dec;24(12):1953-6.  
2. Hyams ES, Perlmutter M, Stifelman MD. "A prospective evaluation of the utility of laparoscopic Doppler technology during minimally invasive partial nephrectomy." Urology. 2011 Mar;77(3):617-20.  
3. Sethi AS, Regan SM, Sundaram CP. "The use of a Doppler ultrasound probe during vascular dissection in laparoscopic renal surgery." J Endourol. 2009 Sep;23(9):1377-82.  
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\*\*Michael Stifelman, M.D., Chief of Urology Service, NYU Langone Medical Center; Director of Minimally Invasive Urology, NYU Langone Medical Center; Director of Robotic Surgery, NYU Langone Medical Center