



CARDIAC INTERVENTION

# Worley™ Advanced LVI

## Lateral Vein Introducer

New  
**5.5F**  
option



Easy break-away  
hemostatic hub



Braided sheath construction for added  
torque control and stability

# Worley™ Advanced LVI

## Lateral Vein Introducer

### ADVANCING RELIABLE ACCESS & ACCURATE DELIVERY

To meet the challenges of cardiac resynchronisation therapy (CRT), you need advanced LV leads and LV delivery systems that match the tortuosity of your patient's anatomy. The Worley Advanced Lateral Vein Introducer (LVI) telescoping lateral vein system is designed to offer you the flexibility you need for reliable and accurate placement of LV leads at their target location.

Now available in a smaller 5.5F size to help navigate through smaller vessels

### PRODUCT FEATURES

**Braided sheath construction** supports better torque control and stability. Sliceable sheath for easy removal

**Integrated break-away haemostatic hub and handle** designed to protect against blood loss and air embolism. Hub requires no cutting. Secure hub grip reduces the risk of lead dislodgement during removal

**Soft radiopaque tip** minimizes risk of vessel wall trauma and improves fluoroscopic visualization

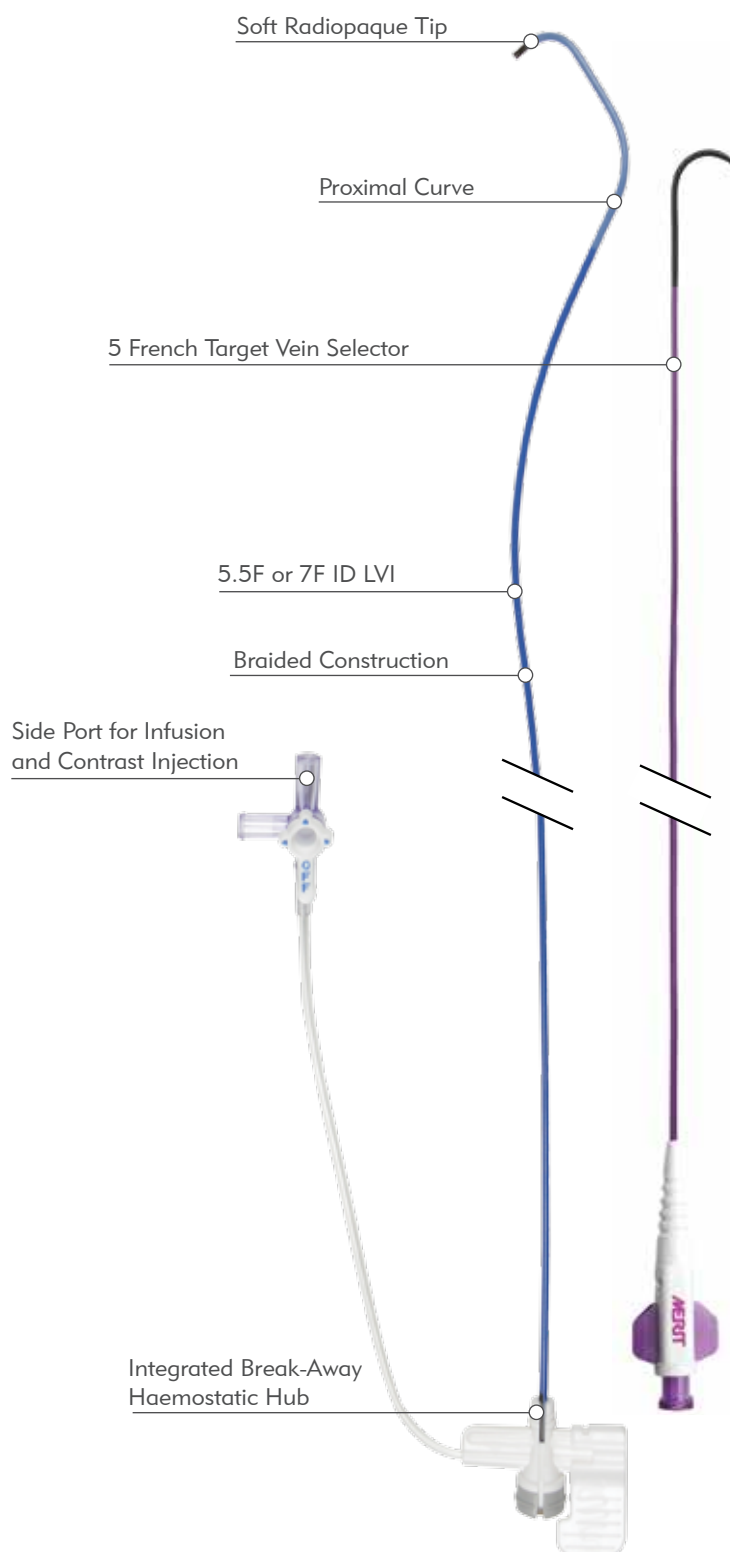
**Proximal and distal curves** enhance sub-selective access to angulated lateral vein branches

**5F OD target vein selector** supports the LVI for improved target vein selection and guide-wire placement

**5.5F or 7F ID LVI** provides ample support for pacing leads and room to perform various advanced CRT implantation techniques

**Multidurometer proximal curve construction** delivers improved tip directivity

**Side port** allows open access infusion and contrast injection during implantation

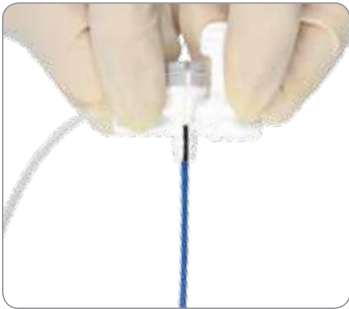


## ADVANCING EFFICIENT & SUCCESSFUL LV LEAD IMPLANTATION

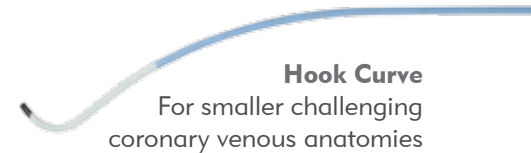
When used together with the Worley Advanced CSG and Worley Vein Selector, the Worley advanced LVI provides the tools and solutions needed to reduce implantation times, gain easier access to the target vessel, and improve chances for successful CRT implantation.<sup>1</sup>

### INTEGRATED VALVE AND HUB DESIGN

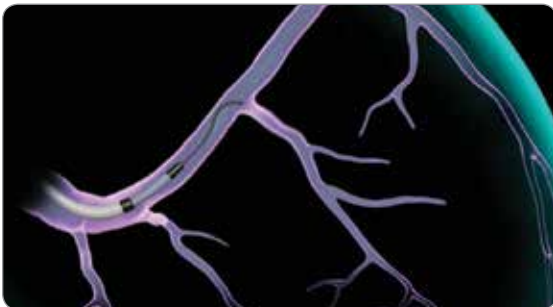
- Breakaway valve provides direct access for the slicer to engage the braided sheath
- New easy-to-use slicer mates to the CSG hub for improved stability during sheath removal
- Oversized handle grip reduces risk of lead movement



### 4 CURVES FOR VARYING ANATOMY



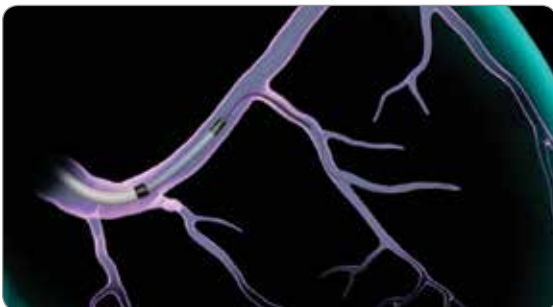
### WORLEY ADVANCED LV LEAD IMPLANTATION



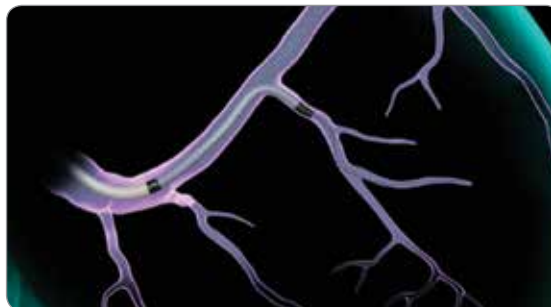
**Step 1** With the LVI placed just inside the CSG, the Worley Vein Selector is advanced into the coronary sinus and the target vein is identified with puffs of contrast.



**Step 2** The Worley Vein Selector is advanced into the target vein, followed by the guide-wire.



**Step 3** The LVI is advanced over the wire and the Worley Vein Selector into the target vein.



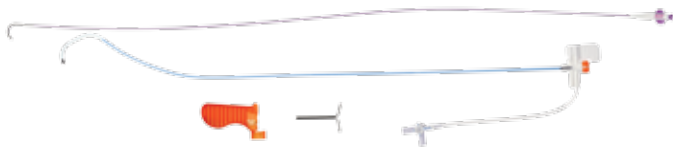
**Step 4** The Worley Vein Selector is removed, retaining the LVI and wire.

# Worley™ Advanced LVI

## Lateral Vein Introducer

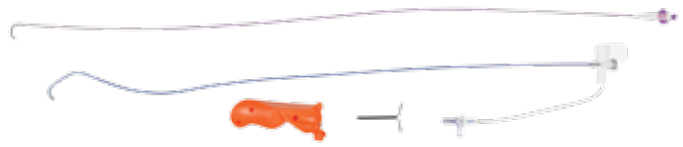
### 7F LVI

| Part Number          | Length | Outer Diameter | Inner Diameter | Description  |
|----------------------|--------|----------------|----------------|--------------|
| WORLVI-75-5-62-07-RE | 62 cm  | 0.120"         | 0.090"         | Renal        |
| WORLVI-75-5-62-07-HS | 62 cm  | 0.120"         | 0.090"         | Hockey Stick |
| WORLVI-75-5-62-07-HO | 62 cm  | 0.120"         | 0.090"         | Hook         |
| WORLVI-75-5-62-07-MP | 62 cm  | 0.120"         | 0.090"         | Multipurpose |

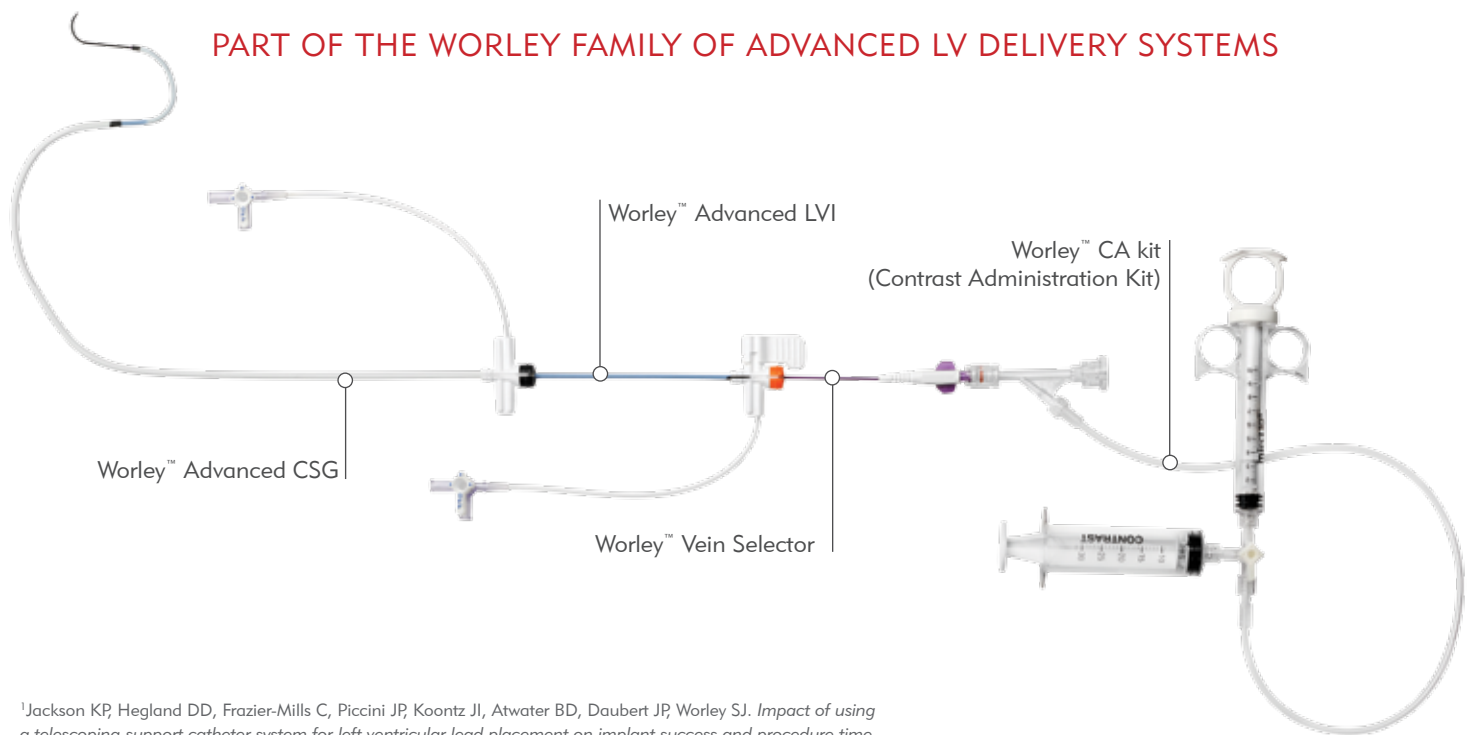


### 5.5F LVI

| Part Number          | Length | Outer Diameter | Inner Diameter | Description  |
|----------------------|--------|----------------|----------------|--------------|
| WORLVI-75-5-62-55-RE | 62 cm  | 0.088"         | 0.072"         | Renal        |
| WORLVI-75-5-62-55-HS | 62 cm  | 0.088"         | 0.072"         | Hockey Stick |
| WORLVI-75-5-62-55-HO | 62 cm  | 0.088"         | 0.072"         | Hook         |
| WORLVI-75-5-62-55-MP | 62 cm  | 0.088"         | 0.072"         | Multipurpose |



## PART OF THE WORLEY FAMILY OF ADVANCED LV DELIVERY SYSTEMS



<sup>1</sup>Jackson KP, Hegland DD, Frazier-Mills C, Piccini JP, Koontz JL, Atwater BD, Daubert JP, Worley SJ. *Impact of using a telescoping-support catheter system for left ventricular lead placement on implant success and procedure time of cardiac resynchronisation therapy.* Pacing Clin Electrophysiol. 2013 May; 36(5):553-8.



Understand. Innovate. Deliver.™

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