Self-Retaining "Maze" Retractor

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Indication: This retractor/attachment is designed to provide exposure of the pulmonary veins and atrial appendage during the Maze procedure or other operations for atrial fibrillation that include pulmonary vein ablation. Visualization of these structures is challenging using standard retractors.

After the left atriotomy is constructed, the self-retaining Maze retractor is placed. A blade is positioned over the mitral annulus. This configuration distracts the mitral valve toward the patient's left, thereby exposing the left pulmonary veins. A second blade is placed cephalad, exposing the orifice of the left atrial appendage (see above). The Maze procedure or pulmonary vein isolation is then completed with excellent exposure, with the assistant's hands free for other tasks.

Application: The Gillinov - Maze Retractor is the preferred attachment used with a self-retaining mitral retractor such as the Cosgrove Mitral Heart Retractor. See drawing (Figures 1 and 2) below. The system includes 2 adjustable blades (Figure 3) and, if preferred, a hand-held retractor (Figure 4, below). Each of the adjustable blades is available in 2 configurations. With both blades in place, the pulmonary veins and left atrial appendage are exposed (see above).

Figure 1

Figure 2

Figure 3

Figure 4

Self-Retaining Gillinov™ - Maze Retractor with Side Arm Attachment

Self Retaining Blades

Hand Held Gillinov™ Maze Retractor

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Gillinov Self-Retaining Retractor for the “Maze” Procedure

Instructions

1. Position your modified chest spreader (A). Slide the Main Bracket (B) onto the chest spreader moving from right to left. (See photograph #2)

2. Main Bracket on the chest spreader.

3. Slide the retractor blade through the Universal Clamp (C).

4. Slide the Universal Clamp with attached blade (D) onto the ¼” support bar. Tighten the lock nut (E) on the support bar until the bar is horizontal.

5. Angled blade shown attached to support bar.

6. Complete system showing straight, angled, small and medium Gillinov retractor blades.