

TW Surgical Malleable Retractor



TW Surgical supplies malleable retractor with a malleable blade that can be shaped to the specific contours of a surgical site, allowing surgeons to gently retract tissues and organs for better access.

It can also be used to retract Tumor.

- A sharp tip for fixation of the Tumor a 90° Right Angle
- A hard and sharp tip for fixation of the tumor.
- The Structural body of the retractor is malleable
- A malleable and thin blade structure
- The Distal part of the retractor 90° hard tip
- Surgeons can make the retracting angle additionally
- Retractor is held by a self-retraction system for self retaining model
- Minimize the retraction, pulling the tumor in the opposite direction

TWS 150-1220/10	Malleable Retractor with angle Tip 2mm 90° Right Angle 150mm x 20mm x 1mm Thickness Material: Stainless Steel
-----------------	--

Surgical Technique

- Fix the retractor to the tumor.
- Pull the retractor in the surgeon's desired direction by applying force.
- After the tumor is pulled by adjusting the degree of force and angle,
- The surgical arm should be held in place to maintain the tumor retracted state.

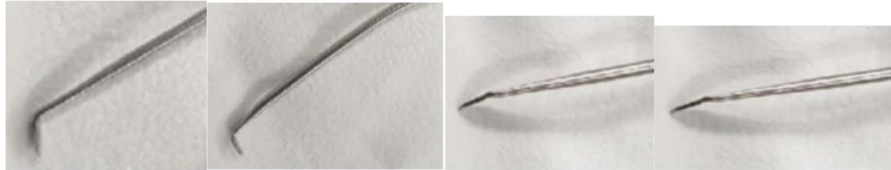
TW Surgical Ultra-Thin Malleable Retractor



TW Surgical supplies TW Surgical Ultra-Thin Malleable Retractor with a malleable blade that can be shaped to the specific contours of a surgical site, allowing surgeons to gently retract tissues and organs for better access.

TWS 150-1209/10	Malleable Retractor with angle Tip 10mm Ultra Thin Tip, 90° Right Angle 150mm x 10mm x 1mm Thickness Material: Stainless Steel
TWS 150-1211/10	Malleable Retractor with angle Tip 10mm Ultra Thin Tip, 110° Angle 150mm x 10mm x 1mm Thickness Material: Stainless Steel
TWS 150-1213/10	Malleable Retractor with angle Tip 10mm Ultra Thin Tip, 130° Angle 150mm x 10mm x 1mm Thickness Material: Stainless Steel
TWS 150-1215/10	Malleable Retractor with angle Tip 10mm Ultra Thin Tip, 150° Angle 150mm x 10mm x 1mm Thickness Material: Stainless Steel
TWS 150-1217/10	Malleable Retractor with angle Tip 10mm Ultra Thin Tip, 170° Angle 150mm x 10mm x 1mm Thickness Material: Stainless Steel

TW Surgical Ultra-Thin Malleable Retractor



It can also be used to retract Brain Tumor.

- A sharp tip for fixation of the Tumor a 90° Right Angle
- A hard and sharp tip for fixation of the tumor.
- The Whole body of the retractor can be malleable
- A malleable and thin blade structure
- The Distal part of the retractor 90° hard tip
- Surgeons can make the retracting angle additionally
- Retractor is held by a self-retraction system.
- Minimize the retraction, pulling the tumor in the opposite direction

TWS 150-1209/15	Malleable Retractor with angle Tip 10mm Ultra Thin Tip, 90° Right Angle 150mm x 15mm x 1mm Thickness Material: Stainless Steel
TWS 150-1211/15	Malleable Retractor with angle Tip 10mm Ultra Thin Tip, 110° Angle 150mm x 15mm x 1mm Thickness Material: Stainless Steel
TWS 150-1213/15	Malleable Retractor with angle Tip 10mm Ultra Thin Tip, 130° Angle 150mm x 15mm x 1mm Thickness Material: Stainless Steel
TWS 150-1215/15	Malleable Retractor with angle Tip 10mm Ultra Thin Tip, 150° Angle 150mm x 15mm x 1mm Thickness Material: Stainless Steel
TWS 150-1217/15	Malleable Retractor with angle Tip 10mm Ultra Thin Tip, 170° Angle 150mm x 15mm x 1mm Thickness Material: Stainless Steel

TW Surgical Ultra-Thin Malleable Retractor



In tumor surgery, which is often performed adjacent to the surrounding normal tissue, it is very important to provide space for effective surgical resection. One of the commonly used methods in brain tumor surgery is brain retraction. Unlike other visceral organs, the brain tissue can be easily damaged by retraction. Prolonged retraction of brain tissues may cause irreversible damages such as ischemia and cerebral infarction. Therefore, when the brain retraction is required, brain damage should be minimized.

Tumor retractor Tumor retractors have a 90°, hard, and sharp tip, which is used for fixation of the tumor. The retractor tip has several angles, which are effective for pulling the tumor. The strength of the distal portion of the tumor retractor is like that of the malleable retractor, to provide additional angle adjustment. The distal portion of the tumor retractor resembles a general thin brain spatula for easy adaptation to the existing self-retraction system. To keep the tumor retractor in place to provide proper pulling force and timing, the self-retraction system was used.

Surgical Technique

- Fix the retractor to the tumor.
- Pull the retractor in the surgeon's desired direction by applying force.
- After the tumor is pulled by adjusting the degree of force and angle,
- The surgical arm should be held in place to maintain the tumor retracted state.