

Doyen's Myoma Screw

Description

Doyen's Myoma Screw is a specialized surgical instrument used primarily in gynaecological surgeries for the removal of myomas (uterine fibroids). The screw is designed to securely grasp and manipulate the myoma tissue, allowing surgeons to extract fibroids with precision and control. Its robust, threaded tip ensures a firm hold on the tumour, minimizing tissue slippage during surgery.

Specifications

- Length: Typically 20 cm to 25 cm
- Material: High-grade surgical stainless steel
- Tip: Sharp, threaded screw designed for secure gripping
- Handle: Ergonomic handle for optimal grip and torque control
- Finish: Polished corrosion-resistant surface

Sizes & Shapes

- Standard length and diameter suited for uterine myoma surgeries
- Screw tip is tapered and threaded for maximum purchase on fibroid tissue
- Handle: T-shaped or rounded for ease of rotation and control

Types

- Standard Doyen's Myoma Screw (single-ended)
- Variants with different handle designs (T-handle, rounded)
- Some models with removable screw tips for sterilization

Material

- Surgical-grade stainless steel (AISI 316L or equivalent)
- Corrosion-resistant and autoclavable
- Polished surface for durability and ease of cleaning

Category

Surgical Instruments → Gynaecological Instruments → Myoma Screws

Product Form

- Single instrument
- Supplied sterile or non-sterile depending on order
- Individual protective cover for screw tip included

Usage

- Used to grasp and manipulate uterine fibroids (myomas) during surgery
- Helps in enucleation of fibroids by providing a firm grip
- Commonly used in open and laparoscopic gynaecological procedures

Advantages

- Secure gripping reduces risk of tissue slippage
- Ergonomic handle improves surgeon's control and torque application
- Durable stainless steel construction ensures long-term usability
- Facilitates efficient and precise fibroid removal

Disadvantages

- Sharp screw tip requires careful handling to avoid injury
- Not suitable for very small or fragile tissues
- Requires sterilization after each use

Precautions

- Handle with care to avoid accidental injury from the sharp tip
- Sterilize thoroughly before and after each procedure
- Inspect instrument for wear or damage regularly
- Use appropriate surgical technique to avoid tissue trauma

HS and HSN Codes

- HS Code: 9018.39
- HSN Code: 9018

Handling Instructions

- Hold the ergonomic handle firmly during use
- Insert screw tip into myoma tissue and rotate gently to achieve a secure grip
- Avoid excessive force to minimize tissue damage
- Clean and sterilize immediately after use

Sterilization Details

- Autoclave at 121°C for 15-20 minutes is standard
- Chemical sterilization possible when autoclaving is not available
- Avoid abrasive materials during cleaning

Veterinary Application

- Occasionally used in veterinary surgeries involving fibroid or tumour removal
- Useful in large animal gynaecological procedures requiring firm tissue grip

Human Application

- Primarily used in human gynaecological surgeries for myoma (fibroid) removal
- Common in open, laparoscopic, and robotic-assisted procedures
- Essential tool for gynaecologists during fibroid enucleation

? Frequently Asked Questions (FAQs)

- 1. What is the main purpose of Doyen's Myoma Screw?**
It is used to grasp and manipulate uterine fibroids during surgical removal.
- 2. Is the screw tip sharp?**
Yes, the screw tip is threaded and sharp for secure tissue grip.
- 3. Can it be used in laparoscopic surgeries?**
Yes, it is used in both open and laparoscopic gynaecological surgeries.
- 4. How should the instrument be sterilized?**
Standard autoclaving at 121°C for 15-20 minutes is recommended.
- 5. Is this instrument used in veterinary medicine?**
Occasionally, particularly in large animal surgeries involving tumour removal.

