Medtronic



TRUCLEAR™ SYSTEM

A clear advantage in uterine tissue removal



Bring clarity, precision, and efficiency to hysteroscopic tissue removal

For more than a decade, the TruClear™ system has set the standard for quality tissue removal. It offers a complete technology platform for the removal of a range of intrauterine abnormalities. It includes:

- Advanced fluid management.
- Efficient cut and capture of tissue
- Pathology-specific tissue removal devices

Plus, the TruClear™ system is the only system designed for visual D&C, evacuation of retained products of conception (RPOC), and fibroid and polyp removal.



TruClear™ Elite hysteroscopes

Designed for optimum performance



Clear operative field

The TruClear™ system:

- Minimizes tissue floating within the uterine cavity.
- Helps maintain a clear operative field with continuous flow and suction.

Gentle resection

The TruClear™ system:

- Preserves the uterus through localized treatment while removing tissue.
- Eliminates risk of energy discharge-induced scarring and gas embolism due to mechanical design.
- Minimizes fluid use through proprietary suction control technology.

Efficient procedure

The TruClear™ system:

- Delivers simultaneous cutting and tissue removal, requiring only a single insertion.
- Provides fewer procedural steps due to single insertion.

Targeted pathology removal

The TruClear™ system:

- Allows for efficient cut and capture with continuous visualization.
- Enables evaluation of the entire pathology due to tissue capture.



TruClear™ hysteroscopic tissue removal system

Multiple procedures, one high-performance system.

The TruClear™ system enables more efficient procedures and enhanced performance for a full spectrum of conditions. Here are some examples.

Myomectomy

The TruClear™ system:

- Brings speed, efficiency, and precision to the removal of myomas.
- Helps ensure patient safety through advanced fluid management.

Diagnostic visual D&C and endometrial biopsy

The TruClear™ system provides direct visualization of the uterine cavity to facilitate removal of:

- Targeted endometrial tissue.
- Hyperplastic endometrium.
- Other intrauterine tissue for pathology analysis.

Retained products of conception evacuation

The TruClear™ system:

- Minimizes endometrial damage by evacuating RPOC under direct visualization.
- Captures tissue for histological confirmation.
- Potentially reduces the need for additional procedures as the system has demonstrated complete removal in over 94 % of patients.[1]

Polypectomy

The TruClear™ system:

- May improve the efficiency of polyp removal by reducing polypectomy procedure time by half that of electrical resection as demonstrated in a clinical study.[1]
- Is likely to completely remove polyps compared to electrical resection as found in one study.[2]
- Has demonstrated reduced patient discomfort.[2]



> ***With the TruClear™ system, I can address a wide spectrum of abnormalities with one high-performing system.***
>
> *Dr. Charles E. Miller,*
> *Advocate Lutheran General Hospital,*
> *Park Ridge, IL*

More options mean more control in every procedure

The TruClear™ system is a complete technology platform for hysteroscopy procedures. It brings together high-performance scopes – like TruClear™ Elite hysteroscopes – and incisionless tissue removal with advanced fluid management. Together, they deliver access and clarity so you can do what you do best: treat patients.

TruClear™ Elite hysteroscopes deliver next generation features to enhance your technique – and the patient experience.

In your office or OR, you can have a hysteroscope that provides:

- High-definition images.
- Continuous inflow and outflow with suction.
- A long working channel for access to the entire uterus – including the cornua and fundal wall.
- An improved seal to minimize leakage.†

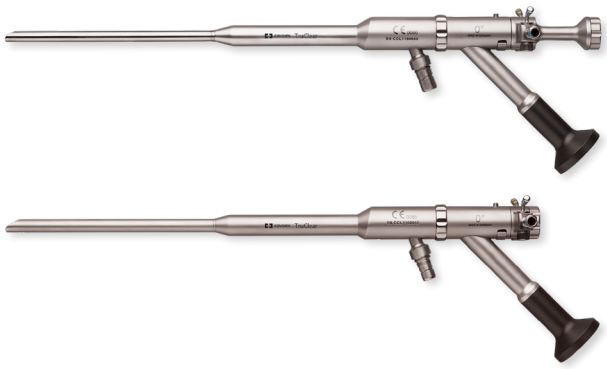
Meanwhile, your patients will appreciate refinements such as:

- A single-insertion instrument that enables fewer procedural steps.
- An angled tip for easier insertion into the cervical canal and uterus.

TruClear™ tissue shaver devices deliver:

- Simultaneous tissue cutting and aspiration to reduce procedure time.
- Proprietary suction control feature to minimize fluid loss.
- A choice of four pathology-optimized disposable devices:
  - TruClear™ soft tissue shaver mini.
  - TruClear™ soft tissue shaver plus.
  - TruClear™ dense tissue shaver mini.
  - TruClear™ dense tissue shaver plus.

The TruClear™ Elite hysteroscope mini and plus



TruClear™ soft tissue shaver mini



TruClear™ soft tissue shaver plus



TruClear™ dense tissue shaver mini



TruClear™ dense tissue shaver plus



See and treat methodology

TruClear™ hysteroscopes offer a clear view of the uterine cavity and a large working channel. So you can treat uterine conditions at the same time as diagnosis.

> ***The operative port allows for the introduction of rigid scissors for removal of polyps, fibroids, or to perform curettage; and tubal catheterization for the evaluation and treatment of proximal tubal occlusion in conjunction with the use of the C arm.***
>
> *Dr. Daniel B. Williams,*
> *Houston Fertility Institute, Houston*

† Compared to legacy TruClear™ hysteroscopes.

A simpler, more efficient fluid management system.†

The HysteroLux™ system is a next generation solution for your hysteroscopic procedures. It offers a touchscreen interface, user-friendly operation settings, and rapid response to changes in uterine pressure.

Optimized distention

The HysteroLux™ system:

- Delivers a high maximum flow rate of 800 mL per minute.
- Provides a rapid response to changes in intrauterine pressure.
- Has a high maximum pressure setting of 150 mm Hg.

Enhanced safety

The HysteroLux™ system:

- Enables continuous, real-time monitoring of fluid deficit when its scale is in use.
- Reduces the risk of fluid overload by continuously monitoring fluid volume deficit with ± 6 percent accuracy.[3]
- Indicates critical deficit levels, pressure levels, and deficit changes with an audible alarm.

Simplicity and flexibility

The HysteroLux™ system provides:

- A user-friendly touchscreen that simplifies setup.
- Integrated suction.
- Fewer connections and canisters.†
- Compatibility with a variety of diagnostic and operative hysteroscopes and resectoscopes to enable more procedural flexibility.

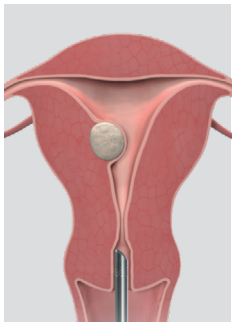




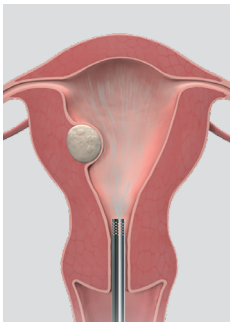
† Compared to our legacy fluid management system.

Simple hysteroscopic tissue removal

The TruClear™ system uses a tissue shaver device that is inserted through a hysteroscope to simultaneously cut and aspirate tissue.



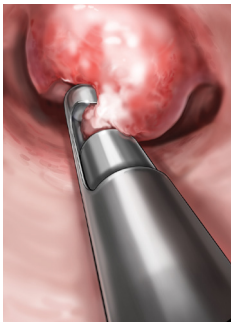
Insert the hysteroscope into the uterus



Distend the uterus with saline



Locate intrauterine abnormality



Place shaver against the pathology – the TruClear™ device will simultaneously aspirate and cut tissue



Remove the shaver and hysteroscope from the uterus

Scope overview

Features	5C scope	Elite mini	Elite plus
			
Outer diameter 5 mm without sheath, 5,7 mm with s.	✓		
Outer diameter 6 mm		✓	
Outer diameter 7,25 mm			✓
Fiber optics	✓		
Rod lens		✓	✓
Integrated continuous outflow		✓	✓
Slanted tip	✓	✓	✓
Working channel length 205 mm	✓		
Working channel length 201,1 mm		✓	✓
Compatible with soft and dense tissue shaver mini	✓	✓	
Compatible with soft and dense tissue shaver plus			✓

Get a clear advantage in your procedures

Ordering information

Product description	Part #	Units
TruClear™ Operative Hysteroscope 5C	72204752	1
TruClear™ Sheath 5C	72204753	1
TruClear™ Calibration Insert 2.9	72203506	1
TruClear™ Elite Hysteroscope Mini	72204878	1
TruClear™ Elite Hysteroscope Plus	72204879	1
TruClear™ Hysteroscopic Tissue Removal System	System includes:	
TruClear™ Control Unit	7209808	1
TruClear™ Footswitch	7209820	1
TruClear™ Handpiece	7209807	1
HysteroLux™ Fluid Management System	System includes:	
Fluid Management System, Control Unit	72205000	1
Fluid Management System, Scale	72205001	1
Vacuum Regulator	72205041	1
Country Kits – Power Cord and Instructions for Use		
UK – EN	72205003	1
Western Europe – EN, FR, NL, DE	72205004	1
Mediterranean – EN, PT, ES, IT, EL, TR	72205005	1
Nordics – EN, SV, DA, FI, NO	72205008	1
Disposable products		
Tissue Shaver Devices		
TruClear™ Dense Tissue Shaver Plus	72203012	1
TruClear™ Dense Tissue Shaver Mini	72204064	1
TruClear™ Soft Tissue Shaver Plus	7209509	1
TruClear™ Soft Tissue Shaver Mini	72202536	1
Fluid Management Disposables		
Hysteroscopic Procedure Kit	72205015	1
HysteroLux™ Vacuum Tube Set	72205027	Box of 10
HysteroLux™ Inflow Tube Set	72205028	Box of 10
HysteroLux™ Outflow Tube Set	7209823	Box of 5
Suction Canister Accessory Kit: four jumper tubes and one tissue trap	7209824	1
Suction Canister Accessory Kit: one jumper tube and one tissue trap	72203257	1
3000 cc Hi-Flow Canisters	72200024	Box of 36
Other		
Gynecology Instrument Tray	72203004	1
TruClear™ Elite Hysteroscope Seals	72205051	Box of 5

TruClear™ system is a Medtronic product. Product packaging and labeling reflect Covidien. Covidien is a subsidiary of Medtronic.

1. Emanuel MH, Womstaker K. A new hysteroscopic operating technique to remove intrauterine polyps and myomas. J Minim Invasive Gynecol. 2005; 12(1):62–66.
2. Smith PP, Middleton LJ, Connor M, Clark TJ. Hysteroscopic morcellation compared with electrical resection of endometrial polyps. Obstet Gynecol. 2014:123(4):745–751. doi: 10.1097/AOG.0000000000000187
3. HysteroLux™ Fluid Management System Instructions for Use. New Haven, CT: Medtronic; 2017.

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Important: Please refer to the package insert for complete instructions, contraindications, warnings and precautions.

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For more details about all TruClear™ system products, contact your sales representative or scan the QR code.