

TONTARRA

ENDOSCOPY

KMS

Kruschinski Modular Scope

AWAKE HYSTEROSCOPY
by Dr. Kruschinski



KMS

Kruschinski Modular Scope

*„The world is so complex,
that only simple solutions
will succeed.“*



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Focus: Special operative gynecology

Executive Committee member International
Society for Gynecologic Endoscopy (ISGE)

WEB:

► frankfurt.gyngeb.de

► kruschinski.center



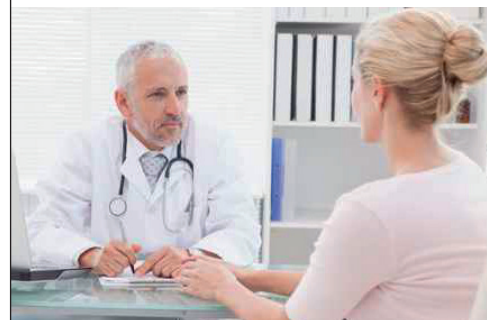
KMS

Kruschinski Modular Scope

In order to implement „Awake Hysteroscopy“ with the „See & Treat“ concept, not only an excellent endoscope is required, but also the matching instrumentation.

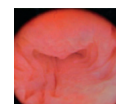
This is exactly where the **Kruschinski Modular Scope (KMS)** comes in. Based on standard instrumentation, a combination of diagnostics and therapy can be performed during an appointment in the gynecological practice in the examination chair without anesthesia with the aid of a new visual dilatation obturator. An endometrial biopsy in the case of a desire to have children or bleeding disorders, the removal of a lost IUD, synechiolysis or the removal of small polyps or fibroids can be performed in the practice without anesthesia.

The dilation obturator enables the surgeon to place the operative outer sheath of the GUBBINImidi resectoscope in the patient's cervical canal. A slight dilatation is performed, which the patient hardly feels, as the conical shape of the dilatation obturator performs the dilatation as gently as possible. Once the operative outer sheath of the GUBBINImidi resectoscope is placed in the uterus, the surgeon removes the diagnostic shaft, dilatation obturator and endoscope. A smooth change to the working sheath with instrument channel or to the resectoscope is now given and the surgical procedure can immediately follow the diagnostic procedure in the same session without anesthesia („See & Treat“).

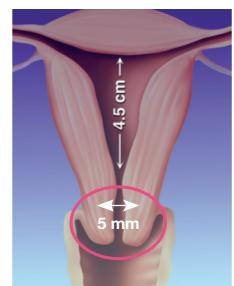


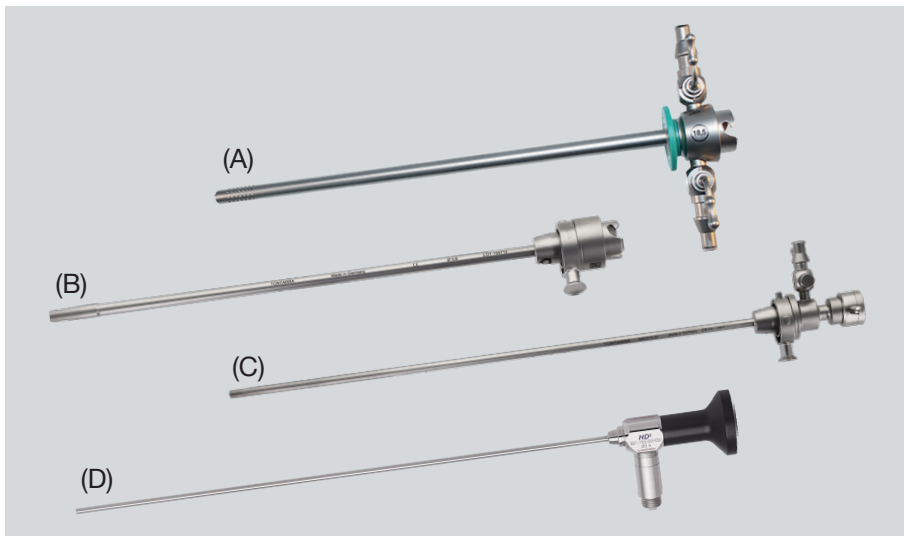
For some years now, office hysteroscopy has been establishing itself more and more. The pioneers here are primarily the southern European countries. But also in Germany and other countries, hysteroscopy without anesthesia is becoming more and more of a topic in gynecological practice.

THE CERVICAL CANAL of the cervix is normally 3-4 cm long with Ø 3 cm.



The narrowest part of the cervical canal is naturally dilatable to Ø - 5 mm without pain sensation.

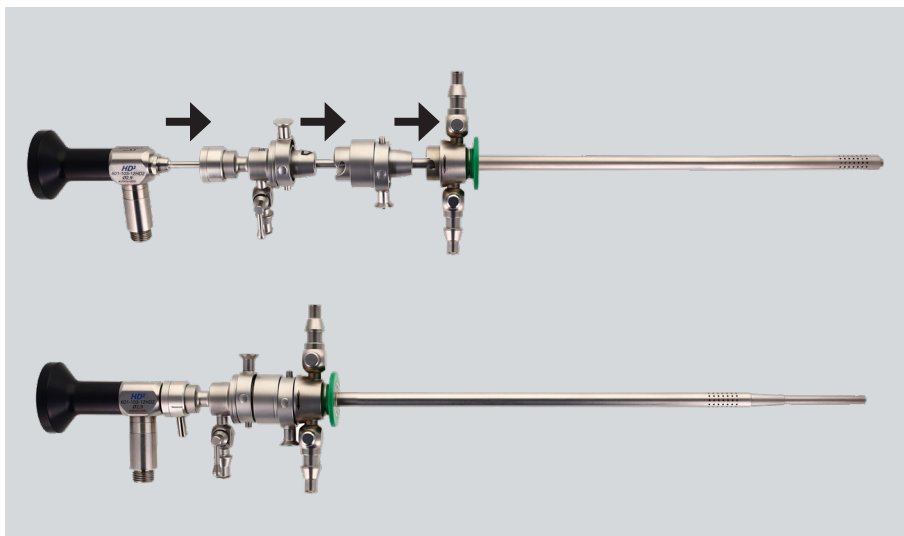




(1)

KMS-Components:

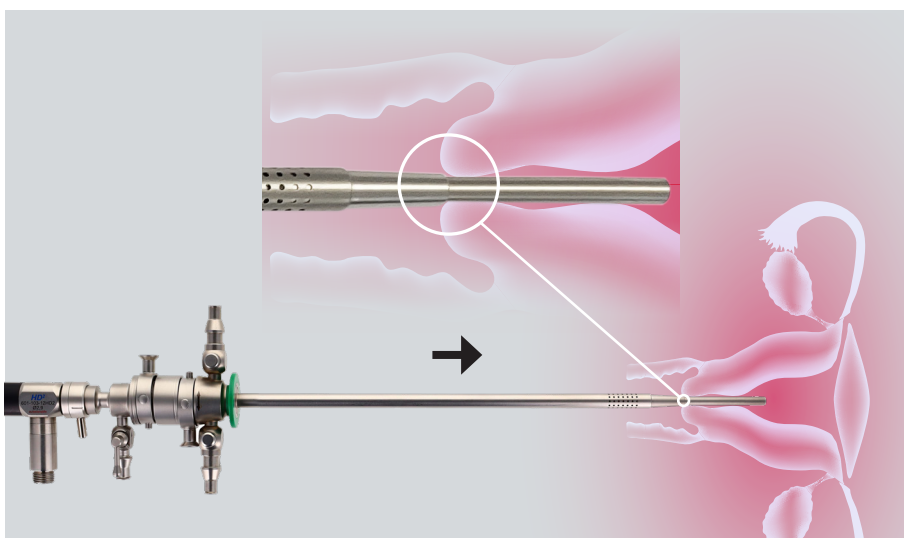
- (A) Operative Outer Sheath
- (B) Visual Dilatator
- (C) Diagnostic Sheath
- (D) Endoscope



(2)

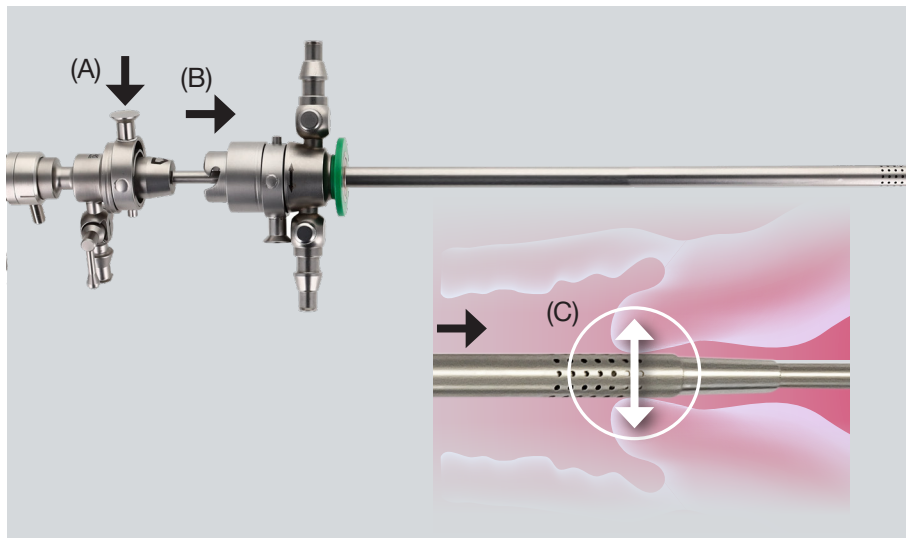
Assembly of the KMS:

Sequence from (A) - (D)



(3)

Introduction of the KMS into the uterus. Performing the diagnosis without the Visual Dilatator and outer sheath dilating the cervical canal.



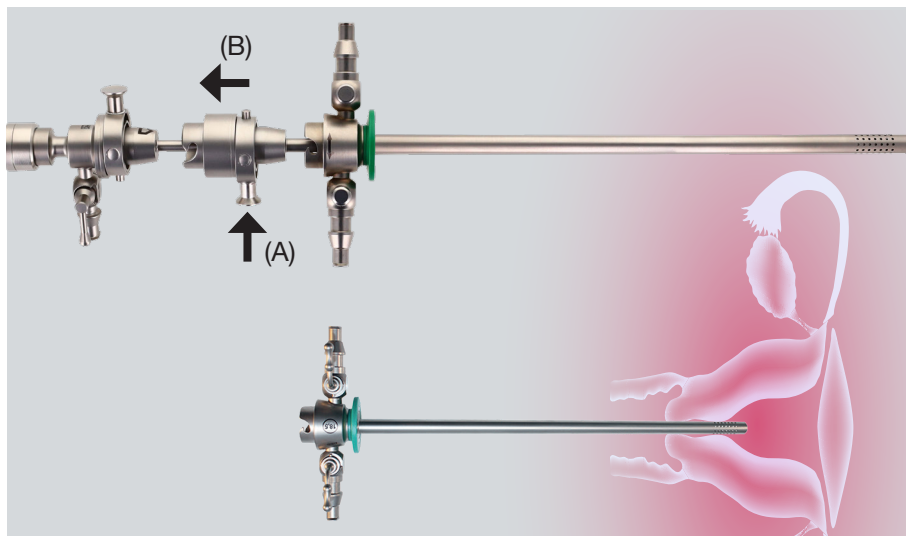
(4)

Change from diagnosis to therapy Part I:

(A) Press the button of the diagnostic sheath

(B) Carefully advance the visual dilatator and the operating outer sheath.

(C) A gentle and painless dilatation of the cervical canal is performed.



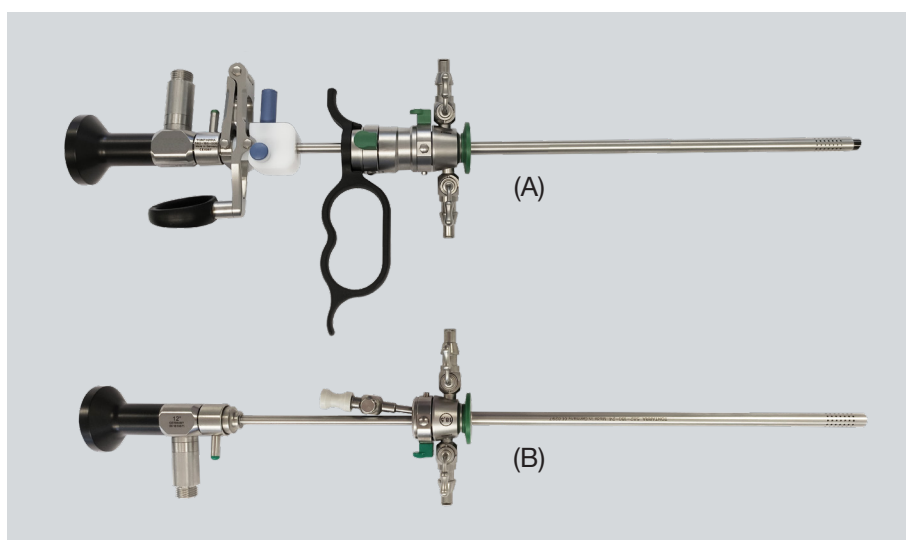
(5)

Change from diagnosis to therapy Part II:

(A) Press the button of the visual dilatator

(B) Now, all components can be removed.

Only the operating outer sheath remains in der cervical canal/ uterus.



(6)

To perform the therapy, the system offers the user 2 options:

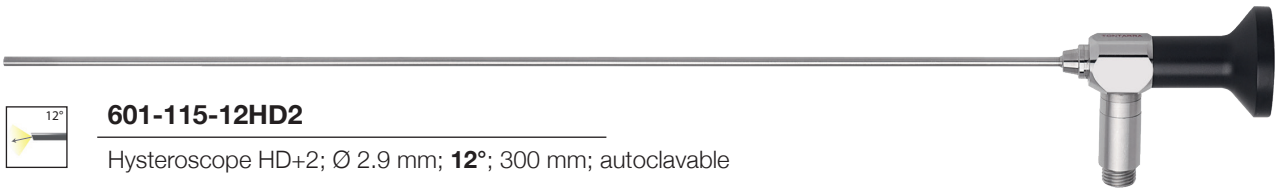
(A) Electrosurgical

(B) Mechanical



601-115-12HD2

Hysteroscope HD+2; Ø 2.9 mm; **12°**; 300 mm; autoclavable



640-016-35

Kruschinski Visual Dilator; for use with Diagnostic Inner Sheath
stepless, gentle dilatation from 4 mm to 6.5 mm



640-016-32

Diagnostic Inner Sheath; Quick-Lock; Ø 4.0 mm; 0°; 260 mm



582-180-24

GUBBINImidi Outer Sheath; 18.5 Fr.; rotatable;
Quick-Lock



582-180-26

GUBBINImidi Inner Sheath; 17.5 Fr.; rotatable;
Quick-Lock; ceramic tip



582-180-39

GUBBINImidi Working Insert; 17.5 Fr. Quick-Lock;
5 Fr. working channel

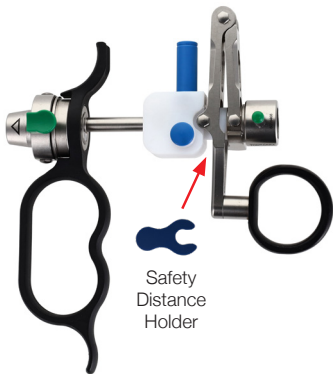


582-180-00B ● GREEN

GUBBINImidi Working Element; **passive**; hybrid; **Quick-Lock**

582-150-02GUB

Safety Distance Holder; width: 2 mm



HF Connection Cables*

bipolar: for TONTARRA Resectoscopes

Available for following unit:

		TONTARRA mod. PWT-400; International Models; 2-pins 3.0 m	287-215-30BR
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* Other cables for different HF devices are available on request.

HF Electrodes, hybrid

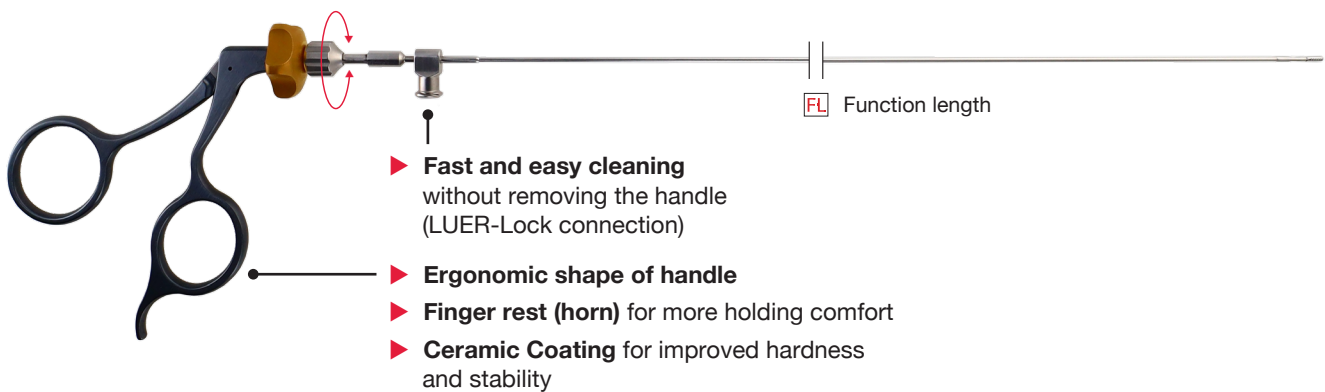
bipolar

	Version	Color code	non-sterile (reusable)	sterile (single-use)
	Loop Electrode ► 30° angled	■ green	582-180-40B	582-180-40B-S
	Loop Electrode ► straight	■ green	582-180-41B	582-180-41B-S
	Knife Electrode	■ green	582-180-42B	582-180-42B-S
	Ball Electrode ► Ø 2 mm	■ green	582-180-43B	582-180-43B-S
	Roller Electrode ► Ø 2 mm	■ green	582-180-44B	-

PIRUETTO

Fully Rotatable Micro Instruments

- **360° rotation of insert**
via rotating wheel on handle
- **Rotation with haptic feedback**
allows precise maneuvering
- **Extended Lifetime**
due to overload protection
- **Economic solution**
using only one handle with exchangeable inserts



For more information
please see our
PIRUETTO brochure



<https://qrco.de/piruetto>

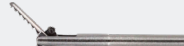
- **Self-holding handle**
for easy connection and
exchange of inserts
- **Quick and easy exchange of insert**
perfect grip through ripples on union nut
while (dis-)assembling

LUER-Lock Caps (for better identification of the inserts)

	► e.g. for Biopsy Forceps	 red	087-960-01
	► e.g. for Scissors	 yellow	087-965-01
	► e.g. for Grasping Forceps	 black	087-970-01
	► e.g. for Punches	 green	087-975-01

PIRUETTO 360° Rotatable Semi-Rigid Instruments

with Exchangeable* Inserts

	Version	Length (FL)	5 French
	BIOPSY FORCEPS	400 mm	584-012-16LL
	► Oval ► Double action	340 mm	584-212-16LL
	SCISSORS	400 mm	584-022-16LL
	► Blunt ► Single action	340 mm	584-222-16LL
	SCISSORS	400 mm	584-023-16LL
	► Pointed ► Single action	340 mm	584-223-16LL
	BIOPSY FORCEPS	400 mm	584-056-16LL
	► Oval Serrated ► 1x2 teeth Double Action	340 mm	584-256-16LL
	GRASPING FORCEPS	400 mm	584-062-16LL
	► Alligator jaw ► Double action	340 mm	584-262-16LL
	PUNCH	400 mm	584-058-16LL
	► Through-cutting ► Single action	340 mm	584-258-16LL
	TENCACULUM FORCEPS	400 mm	584-078-16LL
	► 1x1 spike ► Double action	340 mm	584-278-16LL
	BIOPSY FORCEPS	400 mm	584-050-16LL
	► Oval with pin ► Double action	340 mm	584-250-16LL
	HANDLE only		584-305-00CC

* To purchase an insert only, please add „A“ behind the part number.

Please note: 5 Fr. instruments with FL 400 mm are recommended for sheaths with extended function length.



Bipolar Instruments

Semi-rigid bipolar electrodes



582-515-05

Button Electrode; 5 Fr.; 360 mm



582-516-05

Needle Electrode; 5 Fr.; **45° angled**; 360 mm



582-518-05

Needle Electrode; 5 Fr.; **90° angled**; 360 mm



582-517-05

Needle Electrode; 5 Fr.; **straight**; 360 mm

HF Connection Cables

bipolar; for Electrodes

Available for following units:

(length)

 flat plug		Erbe; Storz/unit side round plug 287-200-30 (3m) 287-200-50 (5m)
		Berchthold/Martin/unit side round plug 287-205-30 (3m) 287-205-50 (5m)
		US-Models; 2-pins/unit side banana plugs; Ø 4.0 mm 287-210-30 (3m) 287-210-50 (5m)
		TONTARRA mod. PWT-400; Valleylab; International Models; 2 pins; Ø 4.0 mm 287-215-30 (3m) 287-215-50 (5m)



Polyp Retraction Basket for Hysteroscopy

by Dr. Zizza



640-060-20

Handle for Dr. Zizza System; with LUER-Lock and Stopper



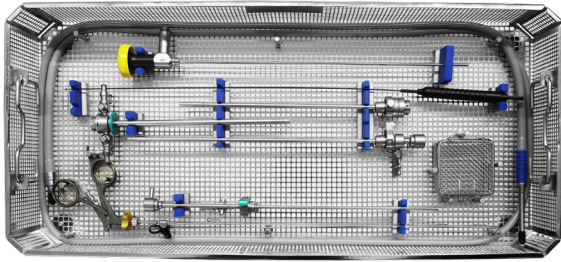
640-060-16

Tubus for Dr. Zizza System; semi-flexible; 5 Fr.; FL 432 mm



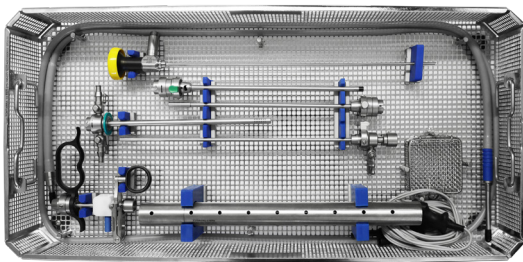
640-060-04

Dr. Zizza Retraction Basket; 4 wires; atraumatic tip; basket only



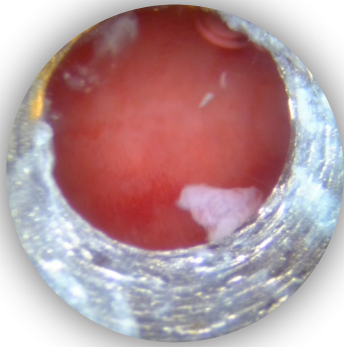
260-605-03Y

Pre-configured wire basket; 540 x 253 x 80 mm
for Mechanical KMS-System
for 1/1 Container

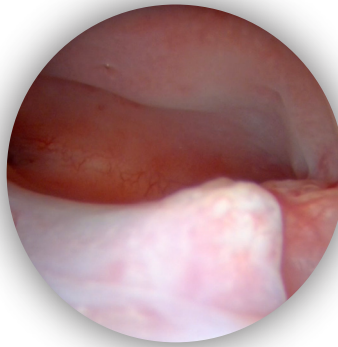


260-605-04Y

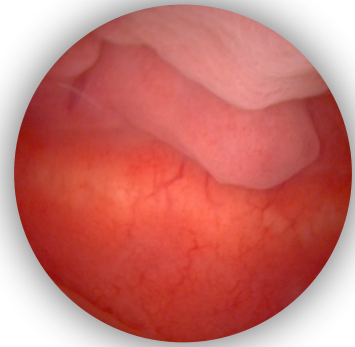
Pre-configured wire basket; 485 x 253 x 80 mm
for HF-Operative KMS-System
for 1/1 Container



Modular Scope Sheath
in the Cavum



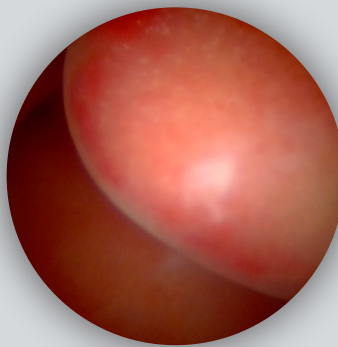
Endometrial hyperplasia



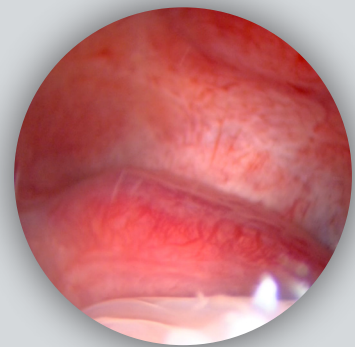
Polyps



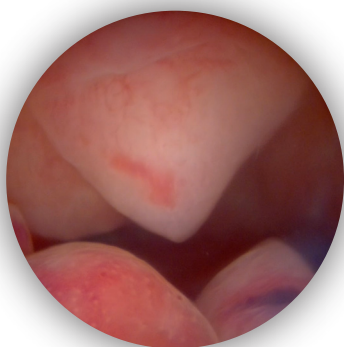
Submucosal myoma



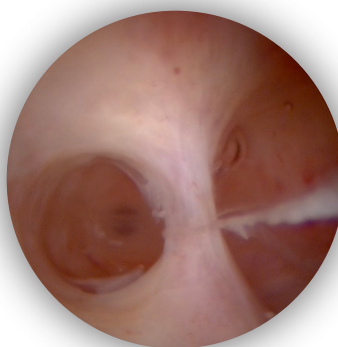
G0 myoma



G0-G1 myomas



Polyps isthmus



Synechia



Submucosal myoma

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This certification affirms our commitment to quality and safety standards in the design, manufacturing and distribution of our medical devices. As a result, we are authorized to affix the CE mark to our products within the scope outlined in our certificates, which can be accessed on our official website. This achievement reflects our dedication to delivering high-quality, compliant medical devices to our customers and underscores our adherence to the rigorous standards set forth by regulatory authorities.

Sales and availability of products are limited to registrations in the corresponding markets.

The products listed in this catalog may only be used by trained healthcare professionals, evaluating the proper application in each patient case.

This content does not replace the instruction for use of the product.

Indications, contraindications and warnings are specified in the corresponding instructions for use.

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999-362-01E · Rev. 06/24.10.2024