

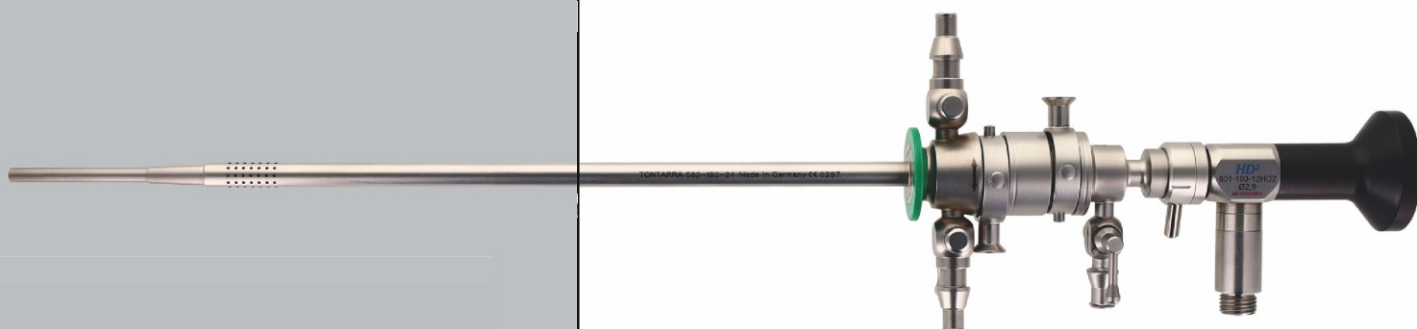
ENDOSCOPY

AWAKE HYSTEROSCOPY



KMS

Kruschinski Modular Scope



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H CARE25



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



Dr. med Daniel Kruschinski

Specialist in gynecology and obstetrics

Focus: Special operative gynecology

Executive Committee member International
Society for Gynecologic Endoscopy (ISGE)

WEB:

► frankfurt.gyngeb.de

► kruschinski.center

AWAKE-HYSTEROSCOPY

KMS

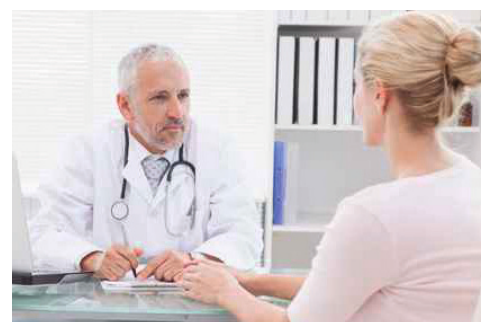
Kruschinski Modular Scope



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“).

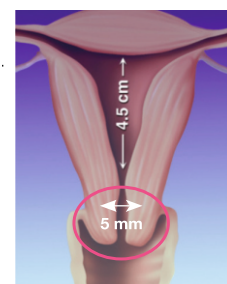


For some years now, office hysteroscopy has been establishing itself more and more. The pioneers here are primarily the southern European countries. But also in Germany and other countries, hysteroscopy without anesthesia is becoming more and more of a topic in gynecological practice.

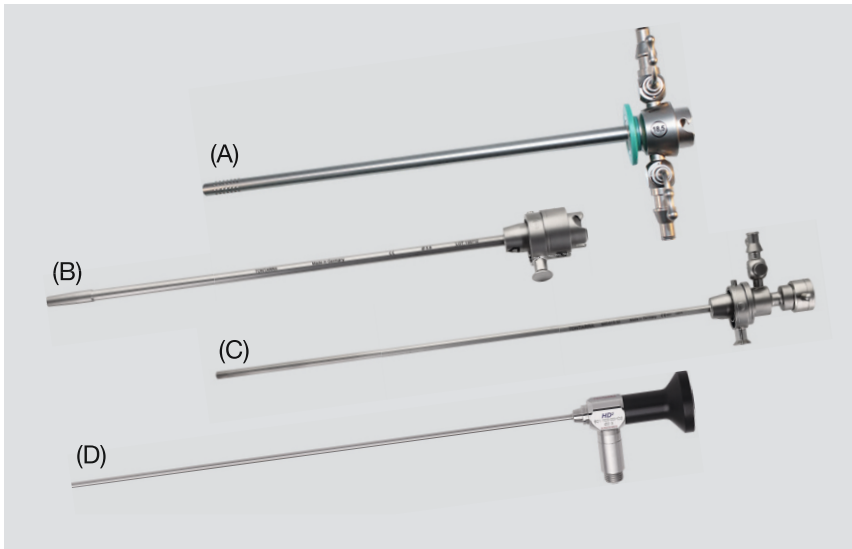
THE CERVICAL CANAL of the cervix is normally 3-4 cm long with Ø 3 cm.



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



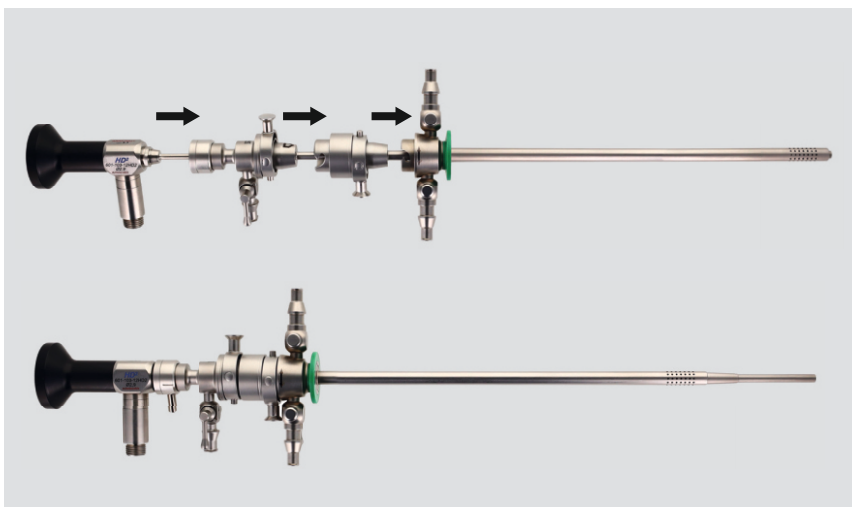
THE KMS METHOD



(1)

KMS-Components:

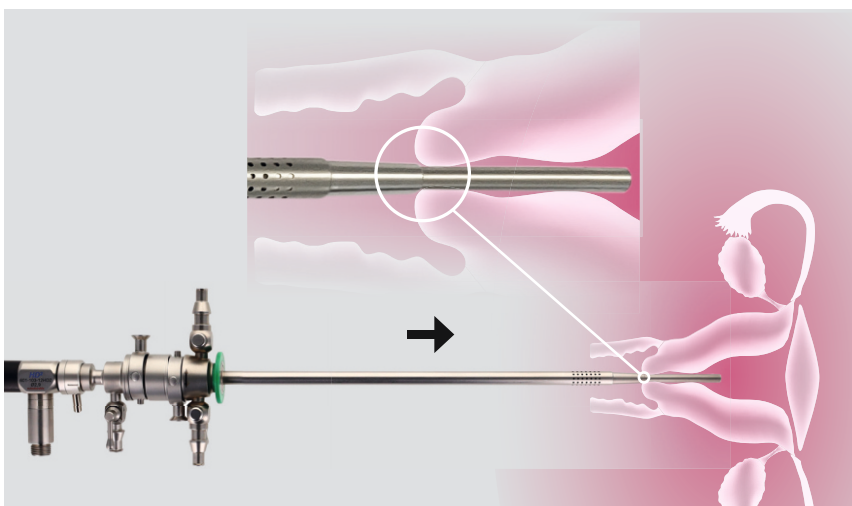
- (A) Operative Outer Sheath
- (B) Visual Dilatator
- (C) Diagnostic Sheath
- (D) Endoscope



(2)

Assembly of the KMS:

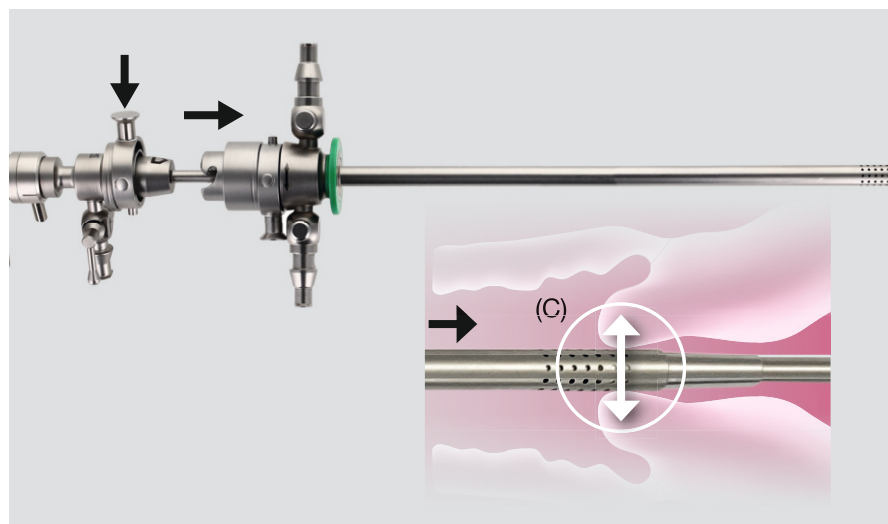
Sequence from (A) - (D)



(3)

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

THE KMS METHOD



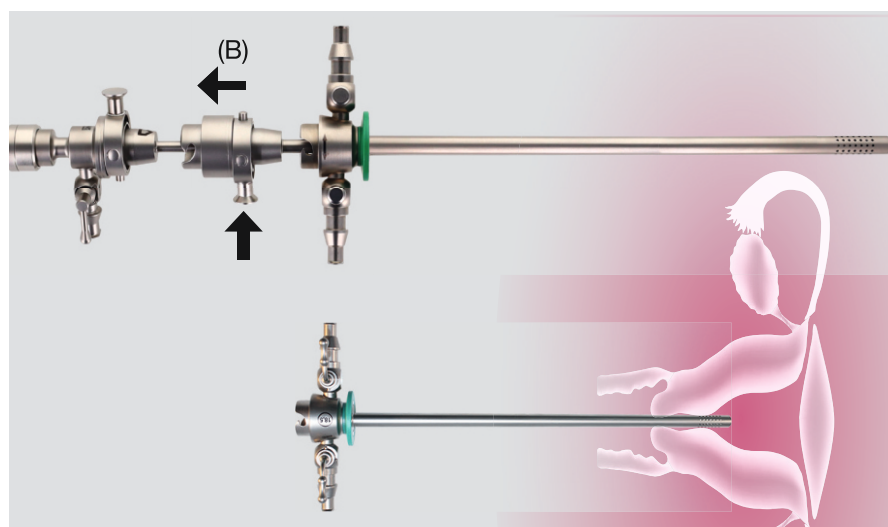
(4)

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.



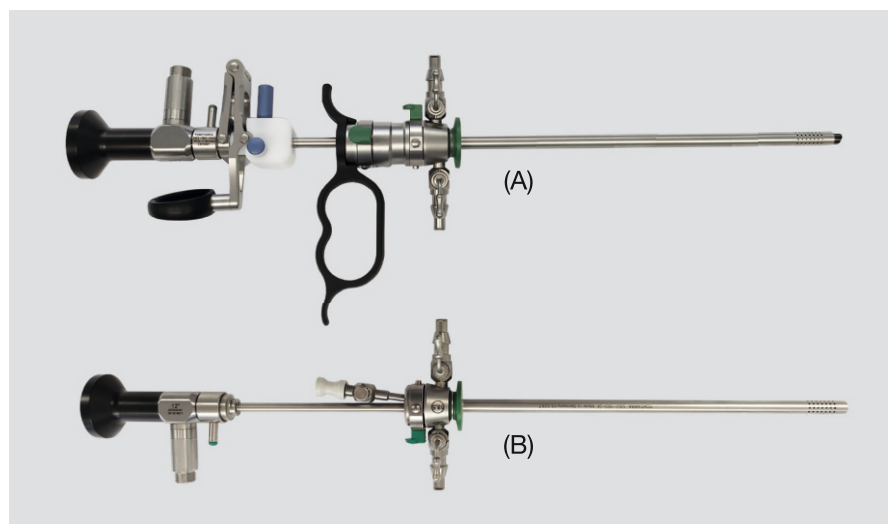
(5)

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

COMPONENTS & ACCESSORIES

ENDOSCOPE [autoclavable]

► Ø 2.9 mm

Description	Art. No.	
ENDOSCOPE HD+2 ► Ø 2.9 mm; 12° ► Function Length 300 mm	601-103-12HD2	

VISUAL DILATATOR

Description	Art. No.	
VISUAL DILATATOR ► stepless, gentle dilatation from 4 mm to 6.5 mm	640-016-35	

SHEATHS

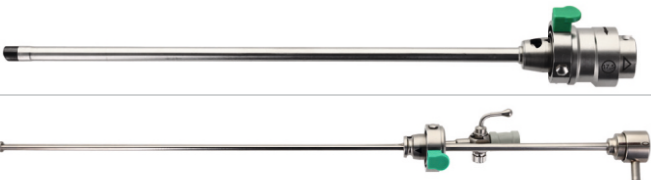
► Ø 2.9 mm

Description	Art. No.	
DIAGNOSTIC INNER SHEATH ► Ø 4.0 mm; 0° ► Function Length 260 mm	640-015-32	
GUBBINImidi OUTER SHEATH ► 18.5 Fr.	582-180-24	

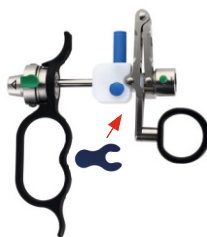
COMPONENTS & ACCESSORIES

SHEATHS

► Ø 2.9 mm

Description	Art. No.	
GUBBINImidi INNER SHEATH ► 17.5 Fr.	582-180-26	
GUBBINImidi WORKING SHEATH ► 5 Fr. working channel	582-180-39	

WORKING ELEMENT

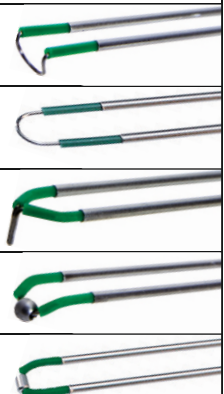
Description	Art. No.	
GUBBINImidi WORKING ELEMENT ► Closed Handle ► for passive cutting	582-180-00B	
SAFETY DISTANCE HOLDER ► for bipolar working element 582-180-00B ► 2.0 mm width; 1 pc.	582-150-02GUB	

HF CONNECTIN CABLES*; **BIPOLAR** ► to connect working elementst to HF generator;
bipolar mode for resectoscopy

Description	Length	Art. No.	Instrument-side	Unit-side
TONTARRA mod. PWT-400; International models; 2-pins	3.0 m	287-215-30BR		

* Other cables for di erent HF devices are available on request

ELECTRODES

Description	Color Code	Art. No.	Art. No.	
		BIPOLAR	SALINÆdisposable	
HF loop electrode; 30° angled	■ green	582-180-40B	582-180-40B-S	
HF loop electrode; straight	■ green	582-180-41B	582-180-41B-S	
HF knife electrode	■ green	582-180-42B	582-180-42B-S	
HF ball electrode; Ø 2 mm	■ green	582-180-43B	582-180-43B-S	
HF roller electrode; Ø 2 mm	■ green	582-180-44B	—	

COMPONENTS & ACCESSORIES

PIRUETTO

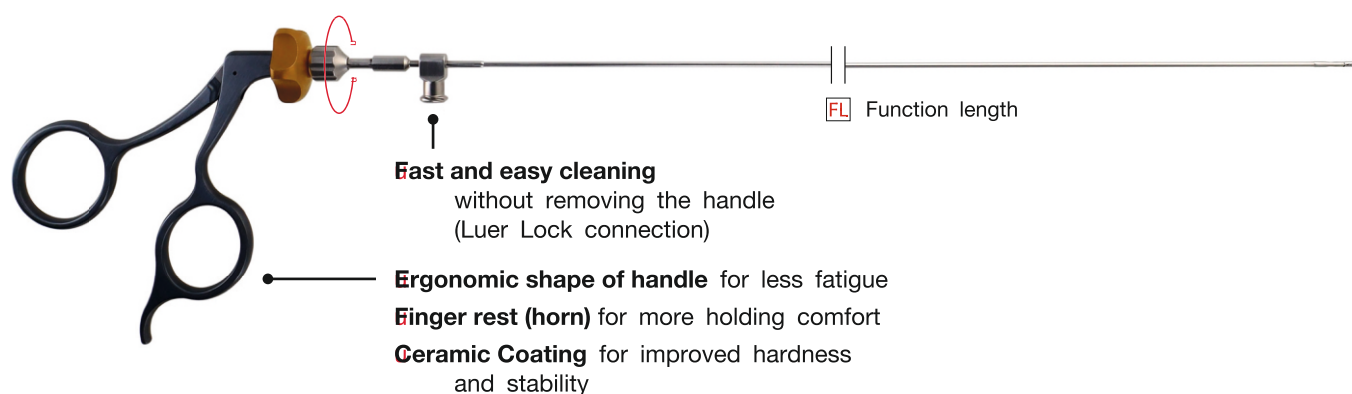
Fully Rotatable Micro Instruments

360° rotation of insert
via rotating wheel on handle

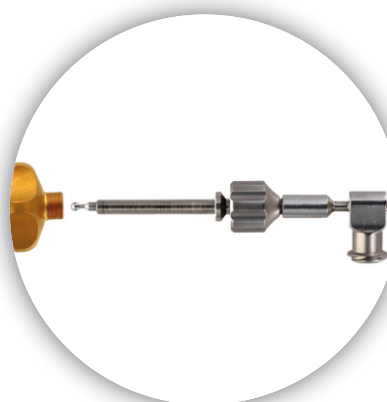
Rotation with haptic feedback
allows precise maneuvering

Extended Lifetime
due to overload protection

Economic solution
using only one handle with exchangeable inserts



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

COMPONENTS & ACCESSORIES

PIRUETTO 360° ROTATABLE SEMI-RIGID INSTRUMENTS ► with EXCHANGEABLE* INSERTS

Description	Length (FL)	5 French	7 French	
BIOPSY FORCEPS ► Oval ► Double action	400 mm	584-012-16LL	584-012-23LL	
	340 mm	584-212-16LL	584-212-23LL	
SCISSORS ► Blunt ► Single action	400 mm	584-022-16LL	584-022-23LL	
	340 mm	584-222-16LL	584-222-23LL	
SCISSORS ► Pointed ► Single action	400 mm	584-023-16LL	584-023-23LL	
	340 mm	584-223-16LL	584-223-23LL	
BIOPSY FORCEPS ► Oval Serrated ► 1x2 spike Double Action	400 mm	584-056-16LL	–	
	340 mm	584-256-16LL	–	
GRASPING FORCEPS ► Alligator jaw ► Double action	400 mm	584-062-16LL	584-062-23LL	
	340 mm	584-262-16LL	584-262-23LL	
PUNCH ► Through-cutting ► Single action	400 mm	584-058-16LL	–	
	340 mm	584-258-16LL	–	
TENCACULUM FORCEPS ► 1x1 spike ► Double action	400 mm	584-078-16LL	584-078-23LL	
	340 mm	584-278-16LL	584-278-23LL	
BIOPSY FORCEPS ► Oval with pin ► Double action	400 mm	584-050-16LL	–	
	340 mm	584-250-16LL	–	
HANDLE only ► For use with all inserts ► Ergonomic Design ► Self-holding handle for easy connection with inserts ► Ceramic coating for improved hardness and stability	For use with all above mentioned 5/7 Fr. semi-rigid micro instruments with Art. No. 584-xxx-xx	584-305-00CC		

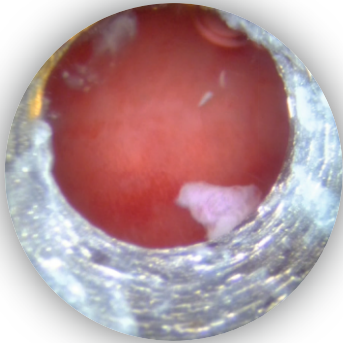
* To purchase an insert only, please add „A“ behind the part number.

COMPONENTS & ACCESSORIES

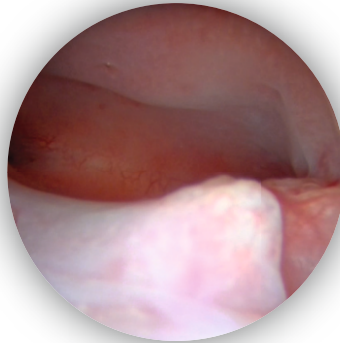
HF ELECTRODES; BIPOLAR; semi-rigid ▶ Function length 360 mm ▶ 5 Fr.			
			
Button electrode	Needle electrode; angled 45°	Needle electrode; angled 90°	Needle electrode; straight
582-515-05	582-516-05	582-518-05	582-517-05

HF CONNECTION CABLES; BIPOLAR for semi-flexible electrodes with flat cable connector			
Available for following units:	3.0 m	5.0 m	Instrument-side
Erbe; Storz/unit side round plug	287-200-30	287-200-50	
Berchthold/Martin/unit side round plug	287-205-30	287-205-50	
US-Models; 2-pins/unit side banana plugs	287-210-30	287-210-50	
TONTARRA mod. PWT-400; Valleylab;	287-215-30	287-215-50	
International Models; 2 pins			

CLINICAL CASE STUDIES



Modular Scope Sheath
in the Cavum



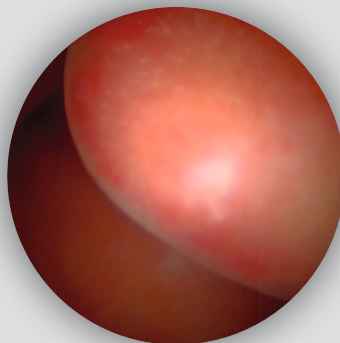
Endometrial hyperplasia



Polyps



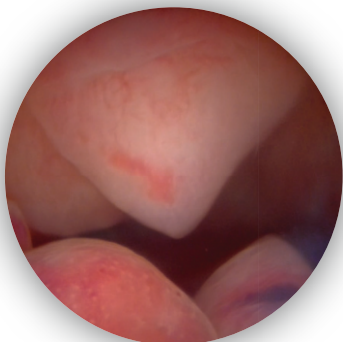
Submucosal myoma



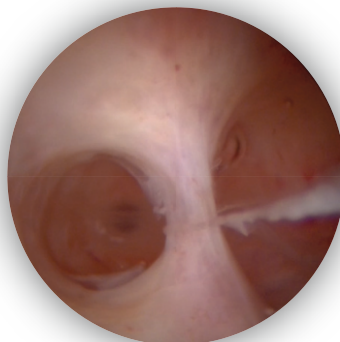
G0 myoma



G0-G1 myomas



Polyps isthmus



Synechia



Submucosal myoma



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