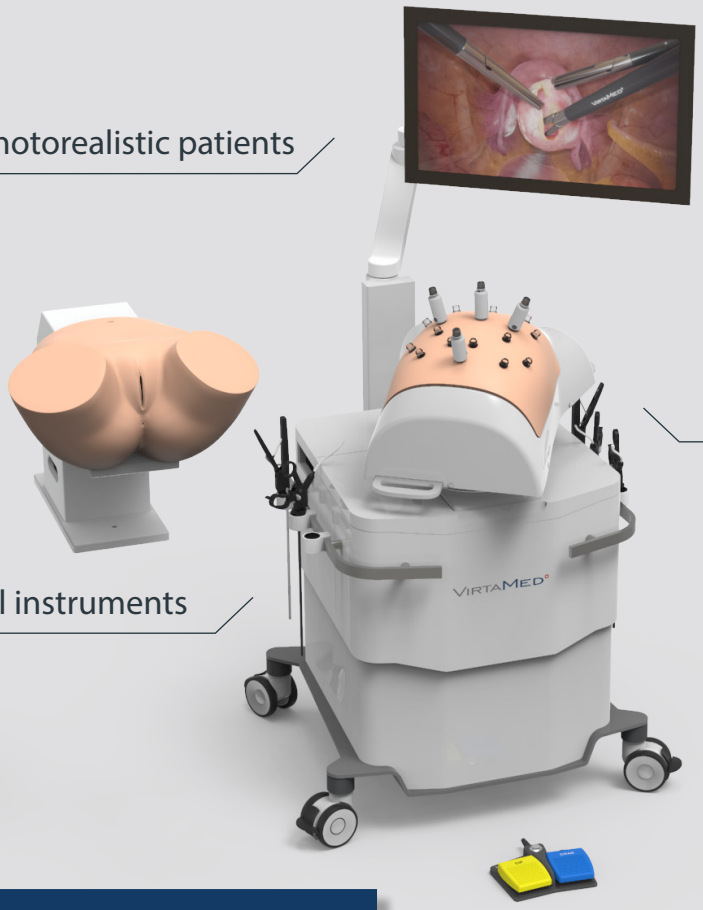
VirtaMed
Better Surgeries

VirtaMed Surgical Gynecology

The most comprehensive simulator training for hysteroscopy and laparoscopy.



VirtaMed Surgical Gynecology can be complemented with Ultrasound, IUD Placement, Embryo Transfer, LaparoS™ General Surgery, UroS™ and ArthroS™, for multidisciplinary training on one platform.

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Educationally relevant curriculum

The ACGME, ABOG & ACOG milestones state that the training curriculum for gynecological surgery should be based on a structured approach.[1]

GynoS™ Hysteroscopy Training

ACGME hysteroscopy guidelines covered by the simulator (Patient care section 8)

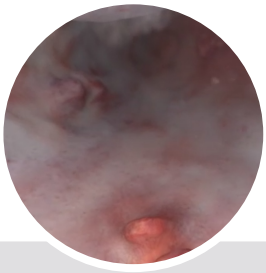
- Level 2: Performs diagnostic hysteroscopy
- Level 3: Independently performs simple operative hysteroscopic procedures
- Level 4: Independently performs complex operative hysteroscopic procedures

EBCOG Basic (core) endoscopic skills: Hysteroscopy[2]

- Diagnostic hysteroscopy
- Diagnostic hysteroscopy with tubal testing
- Hysteroscopic polyp resection
- Hysteroscopic myoma resection type 0-1 (< 4cm)

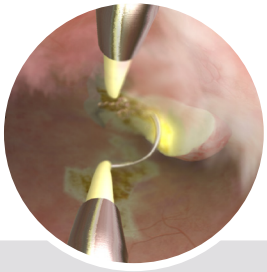
GynoS™ Hysteroscopy Basic skills

- Cervix navigation
- Uterine visualization
- Uterine distension and fluid handling
- Controlling bleeding and coagulation
- Targeted biopsy



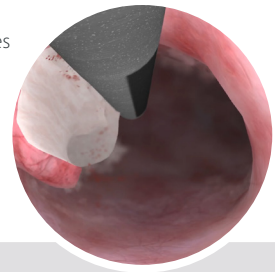
GynoS™ Hysteroscopy

- Diagnostic hysteroscopy
- Polypectomies
- Myomectomies
- Uterine ablation



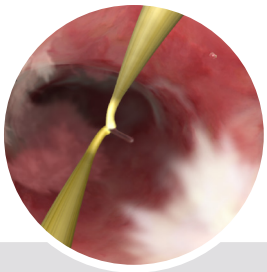
GynoS™ Myosure Tissue removal

- Tissue removal on a variety of pathologies
- Fluid management using pumps



GynoS™ Advanced Resection

- Multiple Myomas
- Synechia
- Septum removal



Training with original instruments

On VirtaMed simulators, trainees work with original instruments integrated into simulation. This has the advantage, that core instrument functionalities like camera handling, key principles of electrosurgery, fluid management, safe resection and many more can be trained with the actual laparoscope, resectoscope, electroloop, Myosure tissue removal device or rollerball device. This shortens the learning curve for the trainee and enables skills transfer and more efficient use of surgical instruments in the operating room.

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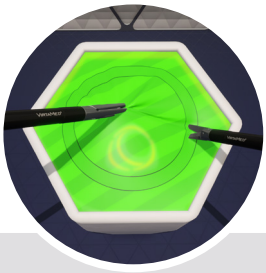
LaparoS™ Laparoscopic Training

ACGME laparoscopy guidelines covered by the simulator (Patient care section 9)[1]

- Level 1: Demonstrates basic skills, patient positioning
- Level 2: Assists during laparoscopic procedures, port placement, bedside assistant
- Level 3: Independently performs simple laparoscopic procedures
- Level 4: Independently performs advanced laparoscopic procedures
- Level 5: Independently performs uncommon complex laparoscopic procedures

LaparoS™ Essential Skills

- Camera navigation
- Eye-hand coordination
- Bimanual coordination
- Clipping and ligation
- Cutting
- Suturing

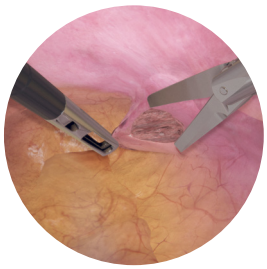


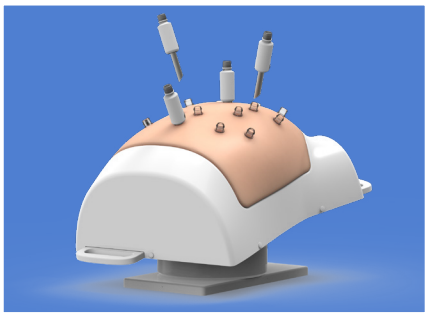
EBCOG Basic (core) endoscopic skills: Laparoscopy[2]

- Diagnostic laparoscopy
- Diagnostic laparoscopy with tubal testing
- Simple laparoscopic adhesiolysis
- Laparoscopic sterilization
- Laparoscopic removal of ectopic pregnancy (salpingostomy) or salpingectomy
- Laparoscopic needle aspiration of simple cysts
- Laparoscopic electrocoagulation of the ovary
- Simple laparoscopic ovarian cystectomy
- Laparoscopic salpingo-oophorectomy

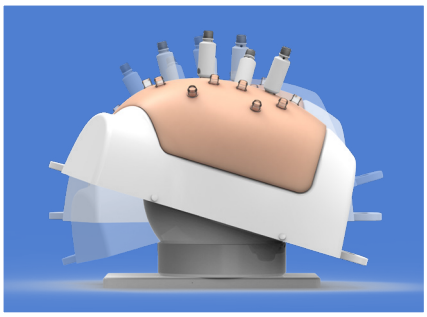
LaparoS™ Gynecological Laparoscopy

- Diagnostic laparoscopy
- Tubal sterilization (clip, coagulation)
- Ovarian cystectomy
- Salpingectomy
- Bleeding control
- Salpingotomy for ectopic pregnancy
- Diagnosis and resection of endometriosis
- Key hysterectomy tasks:
  - ureter identification
  - adnexa preparation
  - uterine vessel ligation
  - vesicouterine fold dissection





Trocar placement



Patient positioning

Team training

[1] ACGME, ABOG & ACOG : The Obstetrics and Gynecology Milestones Project (2015) https://www.acgme.org/Portals/0/PDFs/Milestones/ObstetricsandGynecologyMilestones.pdf

[2] UEMS/EBCOG European Training Requirements in Obstetrics and Gynecology. https://www.uems.eu/__data/assets/pdf_file/0004/64399/UEMS-2018.18-European-Training-Requirements-OBGYN.pdf

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Follow our detailed procedure steps to learn the key elements in the surgical procedure. Supplemental user guidance provides tips and warnings through the case to facilitate training.

PROCEDURAL TRAINING

Review your performance using objective metrics customized to each case. Users are given feedback on safety, economy and successful completion of the procedure.

OBJECTIVE ASSESSMENT

Work with VirtaMed's Training and Education team to develop the best simulator-based courses and let us help you integrate them into your curriculum.

CURRICULUM DEVELOPMENT

Access your simulator data anywhere, at any time with Connect, VirtaMed's cloud-based data management system. Track student progress and implement courses to help train the best surgeons of tomorrow.

CLOUD DATA MANAGEMENT

Take advantage of the latest technology and integrate VirtaMed's simulators into your continuing education training program.

CME COMPATIBLE

"The better doctors are trained, the fewer operative complications there will be. **Complications** that **cost the society millions**. I have been working with VirtaMed simulators for several years and for me **there is no equivalent in hysteroscopy training.**

— Dr. Vincent Villefranque, The Simone Veil Hospital, Eaubonne, France

"Now we have got the possibility to really touch things, to move things inside the abdomen, we can **train as a team with real instruments** that we also use in our OR. We have the possibility to train emergency situations and learn how to **handle complications**, such as damage of the vessels or cutting into the bowel, we can train those things **without the need to experience it in real life**.

— Dr. med. Felix Neis, Women's Health Clinic at Tübingen University Hospital, Germany

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