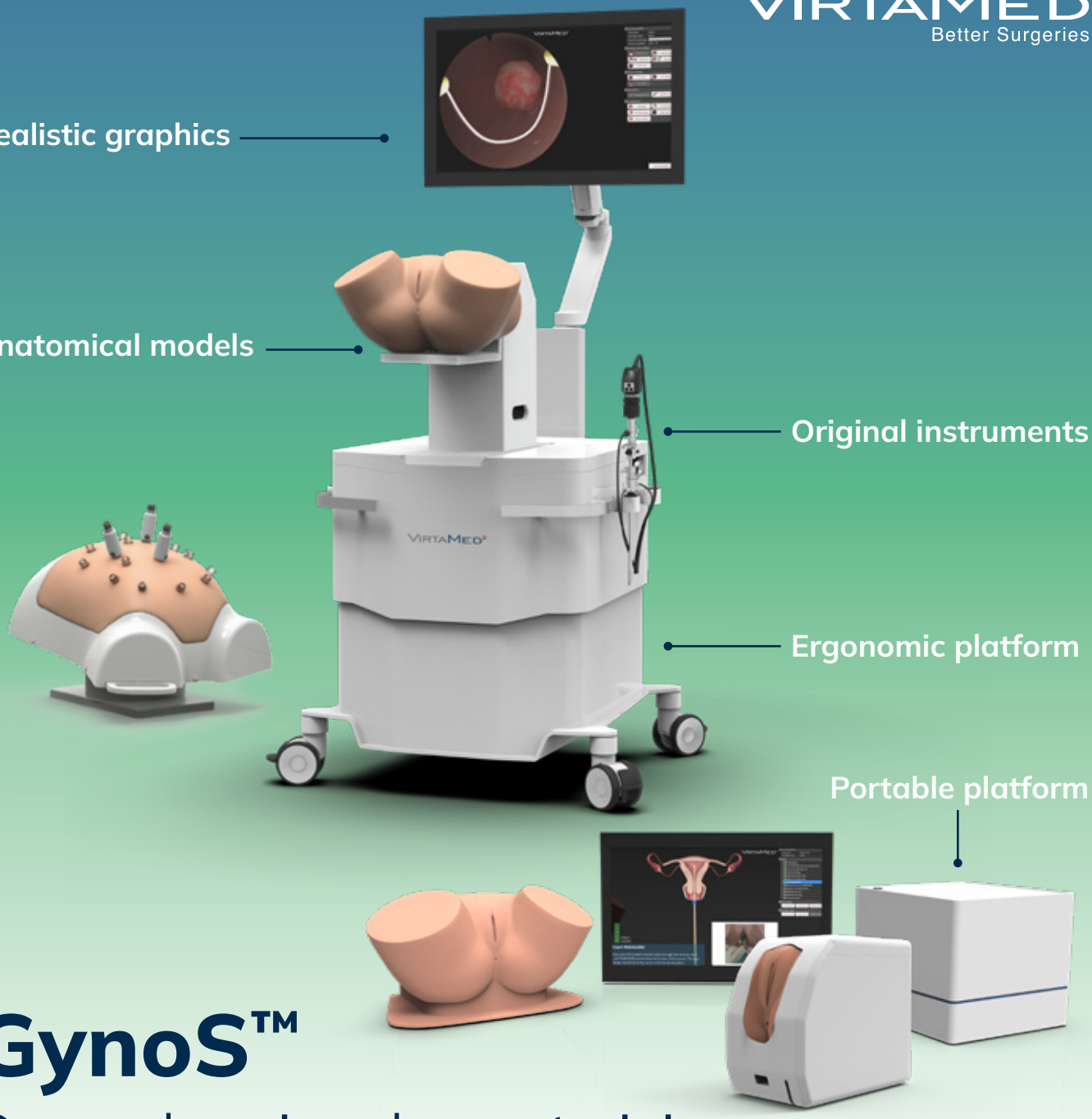
VIRTAMED
Better Surgeries



GynoS™

Comprehensive ob-gyn training simulator with unmatched realism: real graphics, real instruments, real feel.

GynoS™ enables the integration of modules from other specialties (LaparoS™, ArthroS™ and UroS™) on the same platform.

virtamed.com

Hysteroscopy

Training goals

- Learn to expertly navigate and examine the uterus using angled optics
- Practice resection techniques and become proficient in electrosurgery

Training cases

- Essential skills for hysteroscopy with step-by-step guidance
- Diagnostic cases for pathology identification
- Polypectomy and myomectomy with cutting loop
- Endometrial ablation with rollerball
- Removal of multiple intrauterine fibroids and septum resection
- Growth removal with MyoSure®

Gynecological laparoscopy

Training goals

- Patient positioning, trocar placement, hand-eye and bi-manual coordination
- Complete diagnostic laparoscopies and therapeutic procedures
- Become proficient with a range of blunt and electrosurgical instruments

Training cases

- Diagnostic laparoscopy (including tubal patency test and endometriosis)
- Tubal ligation (sterilization clips, bipolar coagulation)
- Ovarian cystectomy
- Bleeding control for ovarian vasculature
- Management of an ectopic pregnancy (salpingectomy and salpingotomy)
- Management of a mild endometriosis (coagulation and resection)
- Key hysterectomy tasks: treatment of adnexa, uterine vessel ligation, vesico-uterine fold dissection

IUD placement

Training goals

- Place an IUD in the correct location, learning to reduce complications such as perforation and implanting the device into the uterine wall
- Ensure patient comfort when manipulating the version and flexion of the uterus with tenaculum forceps

Training cases

- Placement of the Mirena®, PARAGARD®, Kyleena®, and Skyla®/Jaydess® IUDs
- Uterine sounding
- Cases include nulliparous patients, as well as patients with anteverted and retroverted uteri

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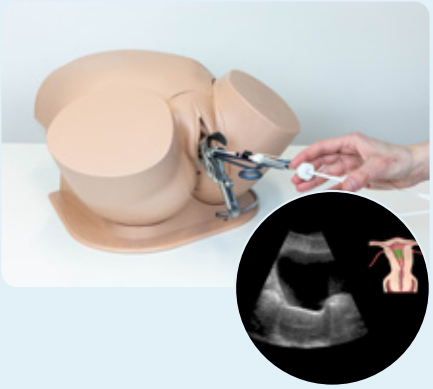
"Our job, our intention is to make sure everyone leaves here competent in imaging, in obstetrics and gynecology, hysteroscopy - and GynoS™ is a great tool to do that."

Anthony C. Sciscione

DO Director of the OB/GYN Residency Program Maternal and Fetal Medicine, Christiana Care Newark, DE, USA

Embryo transfer and intrautrine insemination



Training goals

- Perform the various embryo transfer techniques as defined by the American Society for Reproductive Medicine (ASRM)
- Determine the best location for embryo expulsion
- Train in your team to coordinate tasks, reduce patient risk, and minimize procedure time

Training cases

- Embryo transfer with and without ultrasound guidance
- A variety of cervical canal challenges including a sharp bend at the internal os, a tortuous canal and a false passage
- 9 different patients for training ultrasonography, catheter identification and expulsion technique
- 5 transfer protocols to practice to find the best protocol for your clinic

Transvaginal obstetric ultrasound

Training goals

- Learn to visualize key anatomical areas faster and more precisely thanks to the realistic tactile sensation of the probe
- Assess the viability of an embryo, including ectopic pregnancy, fluid in the cul-de-sac, or mass in the adnexa
- Perform biometric measurements during first trimester to estimate the gestational age

Training cases

- 16 cases with a variety of scenarios to enable trainees to hone their skills before examining patients
- Cases include healthy pregnancies, pregnancy loss, pregnancies of unknown location, and rare ectopic twins

Transabdominal obstetric ultrasound

Training goals

- Assess the health of the fetus and exclude pathologies following the structured 20 planes and 2 sweeps approach
- Navigate the transducer across the entire abdomen, learning to acquire an accurate ultrasound image as on a real patient
- Assess fetal development, placenta location, and amniotic fluid

Training cases

- Over 100 cases spread across the 6 key anatomical areas: the face, brain, heart and thorax, abdomen and pelvis, limbs, and spine
- 10 different fetal ages between 12-26 weeks to challenge biometry skills
- Basic skills training focused on the primary ultrasound techniques of rocking, tilting and sliding, along with anatomical training and fine navigation skills

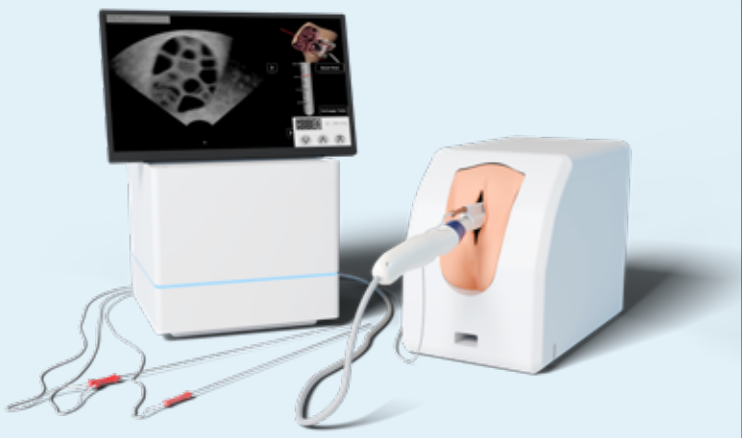
Ovum Pick Up (OPU)

Training goals

- Learn how to identify and locate key anatomical structures
- Practice how to safely puncture and efficiently aspirate the follicular fluid and oocytes
- Develop the motor and coordination skills required to perform the procedure with a team

Training cases

- Controlled Ovarian Stimulation (COS)
- Poor Ovarian Response (POR)
- Ovarian Hyperstimulation Syndrome (OHSS)
- High Ovarian Response (HOR)
- Optional complications



"What I like best about VirtaMed GynoS™ is the combination of real tactile sensation from a pelvic model and the large variety of training scenarios thanks to virtual reality simulation. We worked hard to make the feeling a life-like experience. Any time during a procedure, GynoS™ gives detailed instructions on what to do and what not to do, as well as immediate feedback if something goes wrong. I am convinced that this will improve education in gynecology, and thus enhance patient safety and comfort."

Prof. Dr. med. Michael Bajka, MD
Medical adviser for VirtaMed

VirtaMed Connect

Connect is VirtaMed's cloud-based solution that lets you access your simulator data anytime from anywhere. Use Connect to remotely create courses, track student progress, and manage your simulator usage – all from the convenience of your desk or tablet. With Connect, trainees are motivated through online leader boards and can compare their own results over time.

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