

**JUSTIFICATION FOR
SOLE SOURCE PROCUREMENT SS- 0207**

Agency: Horry-Georgetown Technical College – Medical Imaging Sciences

Sole Source Vendor: Elevate Healthcare

Based upon the following determination, Agency proposes to acquire the supplies, construction, information technology, and/or services described herein from the Vendor named above per S.C. Code Ann. §11-35-1560 and S.C. Regulation 19-445.2105, Sole Source Procurement.

Description of the Agency need that this procurement meets: Simulation equipment to assist in training ultrasound students on pathologies seen in clinical ultrasound scanning of OB/GYN, Abdominal, Cardiac, Breast and Pleural areas.

Description of market research Agency performed to determine the availability of products or services that would meet the Agency's needs: The agency has visited conferences and seminars with vendor fairs demonstrating various simulation equipments from different manufacturers and had several in-house demonstration from companies over the past two years.

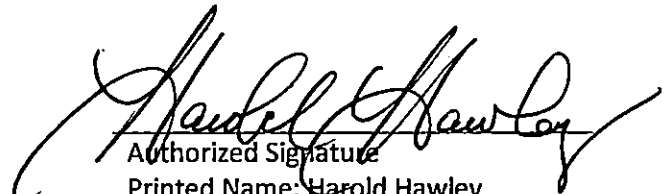
Description of supplies, construction, information technology, and/or services Vendor will provide under the contract: CAE Vimedix Obstetrics and Gynecology Ultrasound Simulator with Included Hardware: Transvaginal Transducer Female Manikin Laptop, Mouse, Cables, Foot Pedal Base. OB/GYN Software included: One year of CAE Express support and maintenance Included Pathology Normal Fetus Secretary State Retroverted Uterus Proliferative State Menstrual State Ectopic Pregnancy Nuchal Translucency 4.7 mm Optional Add-Ons OB/GYN 2nd Trimester Module with Curvilinear Transducer OB/GYN 8-Week Mix OB/GYN 12-Week Mix Gynecology Pack Individual 12-Week, 8-Week and GYN pathologies, Choroid Plexus Cysts Cleft Lip, Cleft Lip & Palate, Cleft Palate Cloacal Bladder Exstrophy Dandy-Walker Syndrome Esophageal Atresia Fetal Growth Restriction—Short Femur Gastroschisis Mega Cisterna Magna Nasal Bone Absence, Nasal Hypoplasia Normal Fetus Oligohydramnios, Polyhydramnios Omphalocele Renal Agenesis, Renal Pelvis Dilation, Renal Dysplasia Unilateral Club Foot, Bilateral Club Foot Unilateral Ventriculomegaly Included Hardware Curvilinear Transducer Female Manikin Laptop, Mouse, Cables Foot Pedal One year of CAE Express support and maintenance Included Pathology Choroid Plexus Cysts Cleft Lip, Cleft Lip & Palate, Cleft Palate Cloacal Bladder Exstrophy Dandy-Walker Syndrome Esophageal Atresia Fetal Growth Restriction—Short Femur Gastroschisis Mega Cisterna Magna Nasal Bone Absence, Nasal Hypoplasia Normal Fetus Oligohydramnios, Polyhydramnios Omphalocele Renal Agenesis, Renal Pelvis Dilation, Renal Dysplasia Unilateral Club Foot, Bilateral Club Foot.

CAE Vimedix Abdominal Ultrasound Simulator with Hardware: Curvilinear Transducer Male Manikin Laptop, Mouse, Cables, Foot Pedal. One year of CAE Express support and maintenance Software: Included Pathology Abscesses Abdominal Aortic Aneurysm, Dissection Adenocarcinoma Calcified Granulomas Carcinoma, Hepatoma, Metastases Cholangitis Cholecystitis, Choledocholithiasis Cirrhosis COVID Cyst, Cystic Rupture, Pseudocyst FAST/eFAST Hemangioma Hernia Hydronephrosis Kidney Stones Normal Patient Pancreatitis Polyps, Gallstones Pyelonephritis Splenomegaly Optional Add-Ons Abdominal Aortic Aneurysm Mix FAST Mix FAST Plus Mix Pleural Module TEE Module with TEE Transducer TTE Module with TTE Transducer Advanced Cardiac Mix 1 Advanced Cardiac Mix 2 Critical

Care Mix

Elevate Healthcare also the sole provider of installation, training, and warranty for the Vimedix Simulator and Elevate Healthcare is the only certified and authorized vendor to provide service and maintenance on Vimedix.

Detailed explanation why no other vendor's supplies, construction, information technology, and/or services will meet the needs of the Agency: The Vimedix OB/GYN system operates with Elevate Healthcare's proprietary Vimedix software and is the only system that supports Cardiac Ultrasound, Breast Ultrasound, OB/GYN Ultrasound, Abdominal Ultrasound, and Pleural Ultrasound cases, all on one, single manikin system. This system (one manekin and ultrasound components) allows students to complete learning modules in OB/GYN, cardiac and small parts ultrasound. It includes hardware and software to complete normal and abnormal 1st, 2nd, and 3rd trimester OBGYN ultrasound, Endovaginal ultrasound, Breast ultrasound, Fetal echo, adult echo, abdominal ultrasound, and adult pleural ultrasound within one system. In addition, the Breast module includes a Linear ultrasound probe and the following cases: Normal Breast, Breast Cancer, Single Cyst, Multiple Cysts, Complicated Cyst, Fibroadenoma, Abscess, Breast Implants, Silicone Leakage, Normal Lymph Nodes, and Abnormal Lymph Nodes. The Vimedix system is the only ultrasound simulator that offers a 3D, Augmented Reality (AR) hologram module that interfaces with the Microsoft HoloLens.


Authorized Signature
Printed Name: Harold Hawley
Title: VP Finance and Administration
Date: 11/12/2024

Notes:

Authorized signature is the agency head unless the agency head has delegated that authority. Delegation of authority must be submitted to the Materials Management Officer in writing.

The Agency must obtain a Drug-free Workplace certification from the Vendor if the sole source procurement is \$50,000 or greater.

October 1, 2024



Vimedix OB/GYN Ultrasound Simulator Sole Source

Elevate Healthcare is the sole source manufacturer of the Vimedix OB/GYN Ultrasound Simulator. The Vimedix OB/GYN system operates with Elevate Healthcare's proprietary Vimedix software and is the only system that supports Cardiac Ultrasound, Breast Ultrasound with pathology cases, OB/GYN Ultrasound with 1st, 2nd, and 3rd trimester modules and cases, Abdominal Ultrasound, and Pleural Ultrasound, all on one, single manikin system. The Vimedix OBGYN system is the only high-fidelity, computer-based ultrasound simulator trainer that has a diagnostic Breast ultrasound training module. Our Breast module includes a Linear ultrasound probe and the following cases: Normal Breast, Breast Cancer, Single Cyst, Multiple Cysts, Complicated Cyst, Fibroadenoma, Abscess, Breast Implants, Silicone Leakage, Normal Lymph Nodes, and Abnormal Lymph Nodes. Additionally, Vimedix is the only ultrasound simulator that offers a 3D, Augmented Reality (AR) hologram module that interfaces with the Microsoft HoloLens.

Vimedix includes Elevate Healthcare's proprietary pathology packages, which are designed from real patient cases to help learners recognize abnormalities in ultrasound images.

Elevate Healthcare is also the sole provider of installation, training, and warranty for the Vimedix Simulator and Elevate Healthcare is the only certified and authorized vendor to provide service and maintenance on Vimedix.

This letter is valid for one year.

A handwritten signature in blue ink, appearing to read "Grace Gagliano", is positioned above a horizontal blue line.

Grace Gagliano, Proposal Specialist



Vimedix OB/GYN Ultrasound Simulator

The following are features and characteristics that are exclusive to Vimedix OB/GYN:


- Realistic, female manikin with depressible abdomen and pelvic landmarks
- Supports Breast ultrasound with an included, Linear ultrasound probe, normal breast and abnormal, pathological breast cases that includes: Breast Cancer, Single Cyst, Multiple Cysts, Complicated Cyst, Fibroadenoma, Abscess, Breast Implants, Silicone Leakage, Normal Lymph Nodes, and Abnormal Lymph Nodes.
- Supports mother's 1st, 2nd, and 3rd trimester transabdominal scanning, GYN/Endovaginal ultrasound, mother's Breast Ultrasound with 10 pathology cases, including breast cancer, 2nd trimester fetal cardiac echo pathologies, mother's cardiac echo, mother's abdominal ultrasound, and mother's pleural ultrasound, all on one system with one, single manikin.
- Base unit features 20-week fetus and 20-week pathologies
- Capabilities for VimedixAR Module with Microsoft HoloLens providing 3D hologram anatomy views of the fetal anatomy and mother's reproduction organ anatomy and structures
- Hologram anatomy can be displayed inside the Elevate Healthcare Vimedix OBGYN manikin and elevated above the manikin as a 3D hologram
- High-fidelity ultrasound images acquired and derived from human patient data (ultrasound images, CT scans, and MRI images)
- Remote learning capabilities with the use of web conferencing applications
- System software tools for building custom curriculum to support the instructor's teaching objectives (custom pre-set views, filters and echo reporting measures)
- Animated 3D representation of anatomy, organs, and surrounding structures displayed simultaneously with 2D echo view
- Library optional pathologies available for Fetal Heart cases, 8-week, 12-week and 20-week fetus, gynecology, and breast content
- 3D display of structures includes fetus veins and arteries, mother's bladder, mother's bones, mother's intestine, umbilical cord, placenta, uterus, and skin
- Ability to date a pregnancy, estimate amount of amniotic fluid, and detect abnormalities
- Ability to determine gestational age, detect growth abnormalities, congenital malformations, and multiple pregnancies
- Ability to change fetus orientation to teach identification of fetal positioning
- Ability to perform standard obstetrics measurements and calculations with reference values
- Target Cut Plane (TCP) exercise includes a reference ultrasound beam, reference probe, and reference ultrasound image in relation to the learner's live ultrasound beam, probe position, and ultrasound image
- Ability to toggle AR view and reference probe on and off for tailored user flexibility.
- Self-directed learning tasks include: probe manipulation, obtaining standard views, optimizing image settings and performing measures

OPEN TRADE REPRESENTATION

(S.C. Code Ann. §§ 11-35-5300)

The following representation, which is required by Section 11-35-5300(A), is a material inducement for the State to award a contract to you.

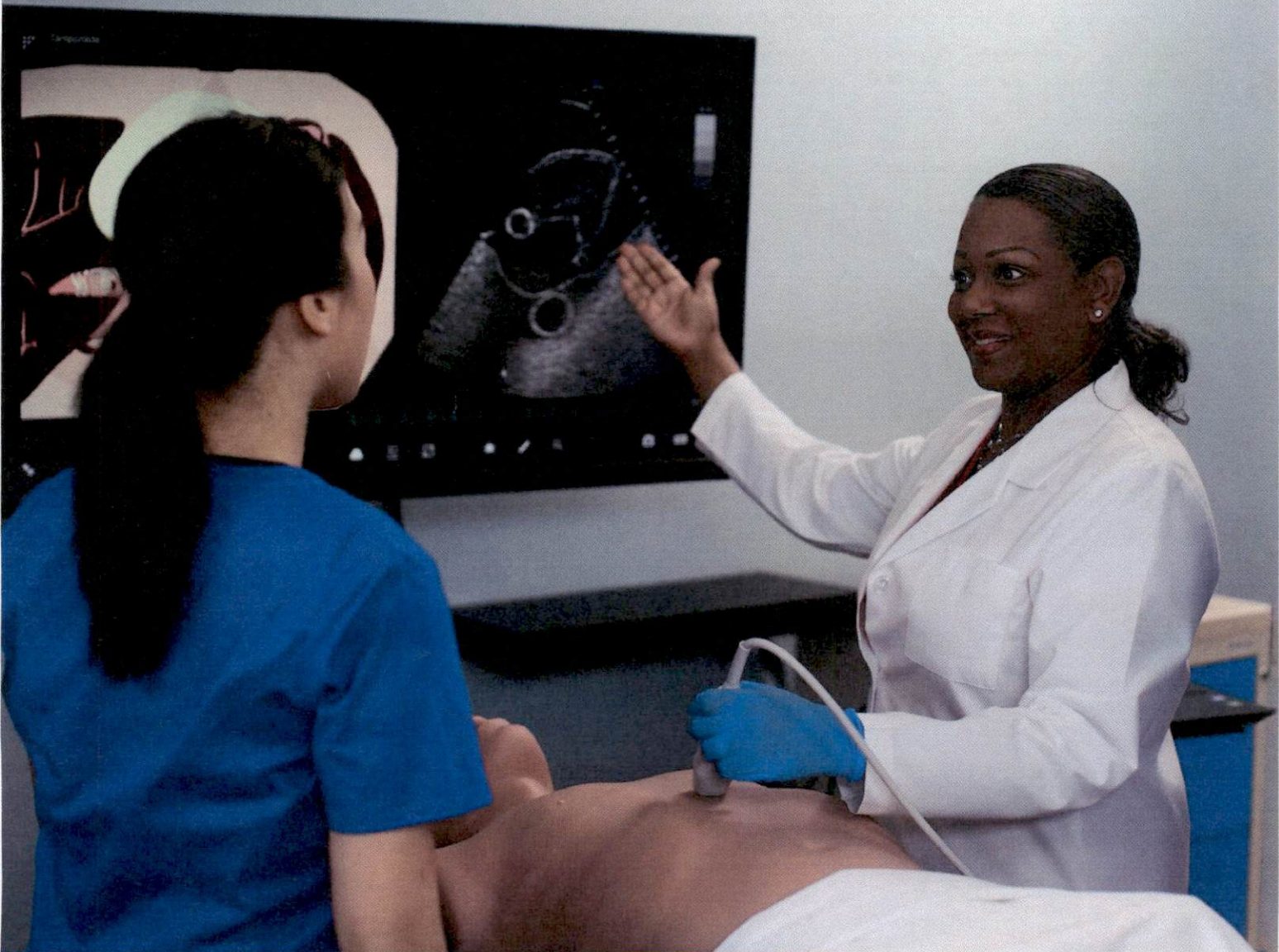
I, the official named below, certify I am duly authorized to execute this certification on behalf of the vendor identified below, and, as of the date of my signature, the vendor identified below is not currently engaged in the boycott of a person or an entity based in or doing business with a jurisdiction with whom South Carolina can enjoy open trade, as defined in SC Code Section 11-35-5300.

<i>Vendor Name (Printed)</i> Elevate Healthcare, Inc.	<i>State Vendor No.</i>
<i>By (Authorized Signature)</i> 	<i>Date Executed</i> 11/4/2024
<i>Printed Name and Title of Person Signing</i> Jennifer Jula, Chief Legal Officer	<i>[Not used]</i>

CAE

Ultrasound Simulation

CAE Vimedix
Reimagining Ultrasound Education



Preparing You for the Moments That Matter.

<https://caehc.co/VIMEDIX>



With enhanced animation for the most realistic ultrasound training on the market, CAE Vimedix combines in-person and remote practice that reaches your learners wherever they are.

Through live learning, recorded sessions and self-directed activities offered by CAE Vimedix, you can customize your imaging curriculum and track your students' progress over time.

Easily integrate CAE Vimedix with video-conferencing platforms and open the door to remote learning. Learners can use their computer mouse to practice basic ultrasound techniques through interactive, web-based workshops before beginning hands-on education.

Pair CAE Vimedix with Microsoft HoloLens 2 for even more immersive training. CAE VimedixAR uses augmented reality to create a three-dimensional panoramic image of the anatomy and structures to accelerate learning and retention.

Upgrade your ultrasound learning with this new foot pedal.

Maximize your time with the addition of a preprogrammed three-button foot pedal providing hands-free operation of selected controls. It's perfect for live trainings or recorded sessions.

Three configurations. Thousands of possibilities.

Choose from three specializations to effectively educate your learners.



Abdomen

Wide range of general imaging pathologies, including FAST, eFAST, and COVID lung cases available in the base model. Add on cardiac packages for complete training curriculum.



Cardiac

Robust selection of cardiac pathologies available with transthoracic or transesophageal probes, or combine them for progressive training scenarios. Expand learning capacity by adding on additional abdominal pathologies with a curvilinear transducer.



OB/GYN

Extensive selection of gynecology, first- and second-trimester pathologies. Learn with the curvilinear probe and add-on the transvaginal probe for advanced learning.

Upgrade your ultrasound education today.

Call us now at +1.941.377.5562 or email SRQAccountmanagers@cae.com to get started.

CAE Vimedix Abdominal Ultrasound Simulator

Included Hardware

Curvilinear Transducer

Male Manikin

Laptop, Mouse, Cables, Foot Pedal

One year of CAE Express support and maintenance

Included Pathology

Abcesses

Abdominal Aortic Aneurysm, Dissection

Adenocarcinoma

Calcified Granulomas

Carcinoma, Hepatoma, Metastases

Cholangitis

Cholecystitis, Choledocholithiasis

Cirrhosis

COVID

Cyst, Cystic Rupture, Pseudocyst

FAST/eFAST

Hemangioma

Hernia

Hydronephrosis

Kidney Stones

Normal Patient

Pancreatitis

Polyps, Gallstones

Pyelonephritis

Splenomegaly

Optional Add-Ons

Abdominal Aortic Aneurysm Mix

FAST Mix

FAST Plus Mix

Pleural Module

TEE Module with TEE Transducer

TTE Module with TTE Transducer

Advanced Cardiac Mix 1

Advanced Cardiac Mix 2

Critical Care Mix

Charleston Southern
Furman - VA Anmed Health
Prisma Health (2) Systems
EMORY
Southern Georgia
Robeson
Caldwell
Central Carolina, NC
Wake Tech. College

CAE

CAE Vimedix Transthoracic (TTE) Cardiac Ultrasound Simulator

Included Hardware

Phased Array Transducer

Male Manikin

Laptop, Mouse, Cables, Foot Pedal

One year of CAE Express support and maintenance

Included Pathology

Acute Myocardial Infarction

Amyloidosis, Takotsubo Cardiomyopathy

Aortic Dissection

PFO/ASD/VSD

Cardiac Arrest, Asystole, Ventricular Fibrillation

COVID, Pulmonary Hypertension, Pleural Effusion

Dilated Cardiomyopathy

Ebstein Anomaly

Embolism, Thrombus

FAST/eFAST

Hyperdynamic Left Ventricular Systolic Function

Hypovolemia

IVC Stenosis

LVOT/RVOT Obstruction

Myxoma, Cardiac Mass

Native and Prosthetic Valvular Pathology

Normal Patient Cases

Pericardial Effusion, Tamponade

Pneumothorax

Reduced Mean Systemic Pressure

Optional Add-Ons

Advanced Cardiac Mix 1

Advanced Cardiac Mix 2

Critical Care Mix

FAST Mix

FAST Plus Mix

TEE Module with TEE Transducer

Abdominal Module with Curvilinear Transducer

Pleural Module with Curvilinear Transducer

CAE Vimedix Transesophageal (TEE) Cardiac Ultrasound Simulator

Included Hardware

Transesophageal Transducer

Male Manikin

Laptop, Mouse, Cables, Foot Pedal

One year of CAE Express support and maintenance

Included Pathology

Acute Myocardial Infarction

Amyloidosis, Takotsubo Cardiomyopathy

Aortic Dissection

PFO/ASD/VSD

Cardiac Arrest, Asystole, Ventricular Fibrillation

COVID, Pulmonary Hypertension, Pleural Effusion

Dilated Cardiomyopathy

Ebstein Anomaly

Embolism, Thrombus

FAST/eFAST

Hyperdynamic Left Ventricular Systolic Function

Hypovolemia

IVC Stenosis

LVOT/RVOT Obstruction

Myxoma, Cardiac Mass

Native and Prosthetic Valvular Pathology

Normal Patient Cases

Pericardial Effusion, Tamponade

Pneumothorax

Reduced Mean Systemic Pressure

Optional Add-Ons

Advanced Cardiac Mix 1

Advanced Cardiac Mix 2

Critical Care Mix

FAST Mix

FAST Plus Mix

TTE Module with TTE Transducer

Abdominal Software Module with Curvilinear Transducer

Pleural Module with Curvilinear Transducer



CAE Vimedix 1st Trimester Obstetrics and Gynecology Ultrasound Simulator

Included Hardware

Transvaginal Transducer

Female Manikin

Laptop, Mouse, Cables, Foot Pedal

Base OB/GYN Software

One year of CAE Express support and maintenance

Included Pathology

Normal Fetus

Secretory State

Retroverted Uterus

Proliferative State

Menstrual State

Ectopic Pregnancy

Nuchal Translucency 4.7 mm

Optional Add-Ons

OB/GYN 2nd Trimester Module with Curvilinear Transducer

OB/GYN 8-Week Mix

OB/GYN 12-Week Mix

Gynecology Pack

Individual 12-Week, 8-Week and GYN pathologies

CAE Vimedix 2nd Trimester Obstetrics and Gynecology Ultrasound Simulator

Included Hardware

Curvilinear Transducer

Female Manikin

Laptop, Mouse, Cables

Foot Pedal

One year of CAE Express support and maintenance

Included Pathology

Choroid Plexus Cysts

Cleft Lip, Cleft Lip & Palate, Cleft Palate

Cloacal Bladder Exstrophy

Dandy-Walker Syndrome

Esophageal Atresia

Fetal Growth Restriction—Short Femur

Gastroschisis

Mega Cisterna Magna

Nasal Bone Absence, Nasal Hypoplasia

Normal Fetus

Oligohydramnios, Polyhydramnios

Omphalocele

Renal Agenesis, Renal Pelvis Dilation, Renal Dysplasia

Unilateral Club Foot, Bilateral Club Foot

Unilateral Ventriculomegaly

Optional Add-Ons

OB/GYN 1st Trimester Module with Transvaginal Transducer

OB/GYN 8-Week Mix

OB/Gyn 12-Week Mix

Gynecology Pack

Individual 12-Week, 8-Week and GYN pathologies

