



## Blue Phantom™ Catalogue



**SonoSite Ltd** is the distributor of Blue Phantom™ Ultrasound Training Models. We understand that learning to use ultrasound requires practice. Blue Phantom offers models for a wide range of ultrasound applications, enabling you to gain confidence and skill through hands-on experience. You will find a brief description of each model available in the downloadable catalogue, further information can be found on the Blue Phantom website [www.bluephantom.com](http://www.bluephantom.com).

#### **About Blue Phantom™ Ultrasound Training Models**

Blue Phantom is the world leader in the design and development of ultrasound hands-on training models. All of the models match the ultrasound characteristics (acoustics) of the anatomical region being simulated and are designed to be ultra-durable.

#### **Blue Phantom realism makes your training better.**

All the models have superb ultrasound imaging characteristics.

#### **Blue Phantom quality saves you money.**

Blue Phantom ultra-durable self healing tissue will withstand tremendous use and will save you money by dramatically reducing the necessity for purchasing replacement parts.

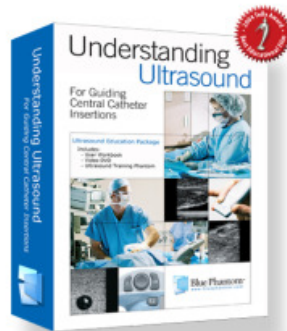
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## Education Packages



Package includes Competency Development Curriculum, Focused Visual Learning Video DVD, and Blue Phantom Original ultrasound phantom for vascular access hands-on training.

These education packages contain three important components that work together to bring the user to a high level of understanding of how to use ultrasound to guide either PICC or central catheter insertions. The education package includes:

- Competency Development Curriculum book
- Focused Visual Learning video DVD
- Blue Phantom™ Select Series Branched 2-Vessel Hands-on Training Model\*

### Focused Visual Learning Video DVD

Our award winning\*, professionally produced video DVD contains an overview of the principles learned in the written curriculum and acts as the visual guide to the concepts learned in the Competency Development Curriculum. Filmed in the patient care setting. Contents include:

- The ultrasound system
- Using ultrasound system controls
- Identifying vessels for cannulation
- Room setup
- Maintaining the sterile field by sheathing the transducer
- Employing needle guides vs. freehand cannulation techniques
- Using ultrasound for guided central venous access

Practice a step-by-step instruction on how to use The Blue Phantom™ Select Original vascular access simulation technique trainer

### Understanding Ultrasound for Guiding PICC Line Insertions

£543.75 ex VAT  
Item# PICC3P

### Understanding Ultrasound for Guiding Central Catheter Insertions

£543.75 ex VAT  
Item# CVA3P

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## Arm Models

Using Blue Phantom proprietary simulated human tissue, these very realistic and ultra-durable venous access ultrasound training models are excellent for training clinicians in the psychomotor skills associated with ultrasound guided venous access procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of arterial and venous anatomy, using ultrasound to target the appropriate vessels for cannulation, and using ultrasound to guide venous access procedures in the upper arm.



### PICC Vascular Access Ultrasound Training Model with Brachial/Basilic Module

£974.25 ex VAT  
Item# BPA200

Blue Phantom PICC ultrasound guided vascular access arm training model is designed for users interested in developing and practicing the skills associated with ultrasound guided PICC line placement. This hands-on training mannequin is intended to assist users in learning to place needles in the brachial and basilic veins.

### PICC Vascular Access Ultrasound Training Model with Thrombosis

£1049.25 ex VAT  
Item# BPA202

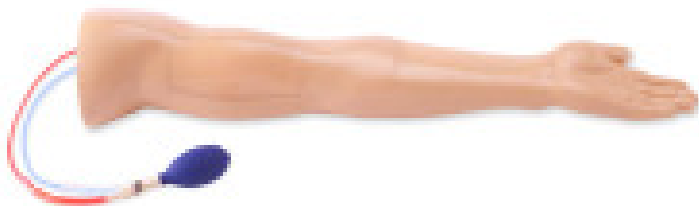
Blue Phantom's PICC vascular access arm training model with brachial thrombus is designed for users interested in developing and practicing the skills associated with ultrasound guided PICC line placement as well as teaching users to identify thrombus in the brachial vein. This hands-on training mannequin is intended to assist users in learning to place needles in the brachial and basilic veins using modified Seldinger techniques and learn to identify venous thrombosis in the upper arm.

### I.V. and Arterial Line Vascular Access Ultrasound Model

£974.25 ex VAT  
Item# BPA203

Blue Phantom's Arm model with I.V. and arterial line placement model is designed for users interested in developing and practicing the skills associated with ultrasound guided IV and arterial line insertions. This hands-on training mannequin is intended to assist users in learning to place needles, guidewires and catheters in the cephalic vein, radial artery, ulnar artery and superficial veins of the lower arm.

## Arm Models (continued)



### PICC, I.V. and Arterial Line Vascular Access Ultrasound Trainer

Blue Phantom's Complete Arm phantom is designed for users interested in developing and practicing the skills associated with ultrasound guided PICC line placement, arterial line placement, and peripheral IV access. This hands-on training mannequin is intended to assist users in learning to place needles, guidewires and catheters in the brachial vein, basilic vein, radial artery, ulnar artery and superficial veins.

**£1274.25 ex VAT**  
**Item# BPA204**

**With hand pump**  
**£1949.25 exVAT**  
**Item # BPA204-HP**



### Peripheral Doppler Ultrasound Training Model

Our Peripheral Doppler Ultrasound Training model offers superb 2-D and Doppler flow characteristics allowing users to learn and teach how to use ultrasound for the assessment of peripheral arterial and venous blood flow. Using ultrasound sonography with any commercial ultrasound system, the phantom can be used to assess the brachial and basilic vessels of the upper arm as well as the radial and ulnar arteries and the cephalic and median cubital veins of the lower arm. Choosing between pulsatile or continuous flow, users can utilize a variety of Doppler techniques to assess the vascular structures in the model including; color Doppler (color flow Doppler), pulsed Doppler, color power Doppler, and continuous wave Doppler.

**£4199.25 ex VAT**  
**Item# BPDA230-AP**

This easy to use Doppler ultrasound training model can be manually switched to provide pulsed flow or continuous flow in the blood vessels. Users can acquire blood flow profiles using any ultrasound system configured with Doppler ultrasound thus providing users a consistent and repeatable training environment.

Use Doppler to assess the brachial and basilic vessels of the upper arm as well as the radial and ulnar arteries and the cephalic and median cubital veins of the lower arm

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Prices Subject to change without notice

## Leg Models

Using Blue Phantom patented simulated human tissue, these very realistic and ultra-durable models are excellent for allowing users to develop and practice the skills necessary to gain proficiency in using ultrasound for guided imaging procedures. The skills include training clinicians in the psychomotor skills; using ultrasound system controls and transducer positioning and movement



### Leg Model with Soft Tissue Biopsy Insert

Blue Phantom's leg soft tissue biopsy ultrasound medical training model is excellent for training clinicians in the techniques associated with recognition of soft tissue masses, and tumors in human soft tissue and using ultrasound to target lesions for fine needle biopsy.

**£1949.25 ex VAT**  
**Item# BPL600**

### Leg with Foreign Body Identification Insert

Blue Phantom leg foreign body identification models are excellent for training clinicians in the techniques associated with ultrasound guided foreign body identification, targeting, and/or retrieval. These ultrasound phantoms contain a wide variety of objects with distinctive sonographic characteristics including metal projectile BBs, metal shrapnel fragments, wooden splinters, metal needles, large glass fragments, and glass shards

**£1949.25 ex VAT**  
**Item# BPL550**

### Leg for Femoral and Saphenous Vein Venous Access Ultrasound Training Model

Blue Phantom's leg vascular access ultrasound training mannequin model allows users to develop and practice the skills necessary to gain proficiency in using ultrasound to guide needle and catheter insertions in the saphenous and femoral vein. Using Blue Phantom proprietary simulated human tissue, this very realistic and ultra-durable venous access ultrasound training mannequin is excellent for training clinicians in the psychomotor skills associated with ultrasound guided vascular access procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of venous anatomy, using ultrasound to target the appropriate vessels for cannulation, and performing a central venous access procedure. Additionally, a deep vein thrombosis (DVT) option allows users to learn to identify the presence of thrombus in the deep vessels.

**£2249.25 ex VAT**  
**Item# BPL400**

**with DVT Option**  
**£2399.25 ex VAT**  
**Item # BPL400-DVT**

## Leg Models (continued)



### Sciatic Nerve Leg Regional Anaesthesia Ultrasound Training Model

Blue Phantom's femoral lower torso ultrasound guided regional anesthesia and central venous access training model is excellent to train users to develop and practice the skills necessary to gain proficiency in using ultrasound for regional anesthesia procedures of the femoral nerve as well as guide catheter insertions in the femoral artery and vein. The DVT option allows users to learn to identify deep vein thrombosis of the deep veins of the legs.

**£2999.25 ex VAT**  
**Item# BPLNB651**

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Prices Subject to change without notice

## Upper Torso Models



### NEW Central Venous Access Ultrasound Training Model

Blue Phantom is proud to introduce the most realistic ultrasound central line mannequin available anywhere. Constructed utilizing our innovative LifeCast™ modeling approach, the external landmarks were cast from a live human while the internal anatomy is based on digital human files. This ultra-durable ultrasound simulator incorporates all of the anatomy required to teach, learn and practice the skills associated with central line placement and was designed for both ultrasound guided and blind insertion procedural training. Our self-healing tissue withstands tremendous use, minimizing the need for replacement parts. Blue Phantom's new upper torso central venous catheter model offers clinicians the most life-like training environment at a low cost of ownership.

Our central line training model offers extremely realistic anatomy of the upper thorax and neck. This next generation ultrasound simulator contains vascular anatomy including the internal jugular vein (IJ), brachiocephalic vein, subclavian vein, axillary vein, carotid artery, subclavian artery and axillary artery. Various points of access include internal jugular (IJ), subclavian, infraclavicular and supraclavicular approach as well as access via the axillary vein. The simulated superior vena cava, right atrium and right ventricle offer users the ability to fully thread guidewires and catheters without resistance. This adult male upper torso central line mannequin also includes internal landmarks such as the trachea, suprasternal notch, manubrium and clavicle. Clinicians can utilize traditional external landmarks for blind central line placement or use ultrasound to guide the central venous access procedure.

**£2249.25 ex VAT**  
**Item# BPH660-HP**  
**Hand Pump**

**£4499.25 ex VAT**  
**Item# BPH660-AP**  
**Automated Pump**

#### With Transparent Inserts

**£2549.25 ex VAT**  
**Item# BPH665-C-HP**  
**Hand Pump**

**£4799.25 ex VAT**  
**Item# BPH665-C-AP**  
**Automated Pump**

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## Upper Models (continued)



### NEW Regional Anaesthesia and Central Venous Access Ultrasound Training Model

Blue Phantom's upper torso ultrasound guided regional anesthesia and central venous access training model is excellent to train users to develop and practice the skills necessary to gain proficiency in using ultrasound for peripheral nerve block regional anesthesia procedures of the brachialplexus as well as guide catheter insertions in the internal jugular vein (IJ), subclavian vein, and axillary vein. Using Blue Phantom simulated human tissue, this very realistic and ultra-durable ultrasound training phantom is excellent for training clinicians in the psychomotor skills associated with ultrasound guided regional anesthesia as well as central venous access procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of nerves, arterial and venous anatomy, using ultrasound to target the nerves of the brachialplexus for regional anesthesia procedures, guide needles to blood vessels for cannulation, and performing central venous access procedures

**£3499.25 ex VAT**  
**Item# BPHNB670-HP**  
**Hand Pump**

**£5699.25 ex VAT**  
**Item# BPHNB670-AP**  
**Automated Pump**

#### With Transparent Inserts

**£2499.50 ex VAT**  
**Item# BPHNB675-C-HP**  
**Hand Pump**

**£5999.25 ex VAT**  
**Item# BPHNB675-C-AP**  
**Automated Pump**

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## Internal Jugular Model



### Internal Jugular Central Line Ultrasound Manikin

Constructed utilizing Blue Phantom's ultra-durable and truly self-healing SimulexUS™ tissue, this compact central venous access internal jugular ultrasound phantom model provides you with superb ultrasound imaging characteristics and allows you to perform complete central line placements of the internal jugular vein – including needles, guidewires, dilation, and threading of catheters.

The light weight and portable internal jugular training manikin contains vascular anatomy including the internal jugular vein (IJ) and the carotid artery. Internal structures also include the trachea and clavicle providing you with superb realism – using any ultrasound system equipped with a vascular access ultrasound transducer. External landmarks also include a palpable suprasternal notch, trachea and clavicle. This central venous access ultrasound phantom is specifically designed for teaching and practicing internal jugular (IJ) cannulation; the training model accommodates both ultrasound guidance and blind insertion technique.

£974.25 ex VAT  
Item# BPIJ500

## Select Series™ Models



### Regional Anesthesia Ultrasound Training Block Model

Peripheral Nerve Block regional anesthesia ultrasound training model is an excellent training tool for assisting clinicians develop, practice and maintain the skills necessary to use ultrasound for guiding regional anesthesia and vascular access procedures. This ultra-durable ultrasound training model assists clinicians in the acquisition and interpretation of sonographic images of nerves and vessels as well as developing the psychomotor skills of guiding needles to simulated nerves and vessels in the human patient. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of vessels and nerves in soft tissue, and using ultrasound to target the vessels and nerves for ultrasound guided regional anesthesia and vascular access procedures.

£411.75 ex VAT

Item# BPNB150

### Branched 4-Vessel Ultrasound Training Block Model

Branched 4 Vessel vascular access ultrasound training model is an excellent training phantom to help clinicians develop, practice and maintain the skills necessary to use ultrasound for guiding ultrasound guided venous access and arterial access procedures. Excellent for clinicians beginning to use ultrasound as well as more advanced users seeking more challenging insertion technique training. The branched vessels offer multiple training opportunities; independent linear vessels for initial training in addition to multiple overlapping branched vessels for more advanced ultrasound training.

£336.75 ex VAT

Item# BPBV110

### Branched 2-Vessel Ultrasound Training Block Model

2 Vessel vascular access ultrasound training model is an excellent training tool for assisting clinicians develop, practice and maintain the skills necessary to use ultrasound for guiding ultrasound guided venous access and arterial access procedures. This ultra-durable ultrasound training model offers a cost effective and highly portable model that assists clinicians in the acquisition and interpretation of sonographic images of blood vessels as well as developing the psychomotor skills of guiding needles to simulated vessels in the human patient. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of vessels in soft tissue, and using ultrasound to target the vessels for ultrasound guided vascular access procedures.

£284.25 ex VAT

Item# BPO100

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**Select Series™ Models** (continued)**Pediatric 4-Vessel Ultrasound Training Block Model****£374.25 ex VAT**  
**Item# BPP120**

Pediatric vascular access ultrasound medical training model allows users to develop and practice the skills necessary to gain proficiency in using ultrasound for imaging and vascular access procedures. Using Blue Phantom proprietary simulated human tissue, this very realistic and ultra-durable pediatric ultrasound guided central venous access training model is excellent for training clinicians in the psychomotor skills associated with ultrasound venous and arterial cannulation procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of vessels found in the pediatric patient, and using ultrasound to guide the cannulation of blood vessels.

**Soft Tissue Biopsy Ultrasound Training Block Model****£336.75 ex VAT**  
**Item# BPTM130**

Soft tissue biopsy ultrasound medical training model allows users to develop and practice the skills necessary to gain proficiency in using ultrasound for imaging and surgical procedures. Using Blue Phantom simulated human tissue, this very realistic and ultra-durable soft tissue biopsy ultrasound surgical training model is excellent for training clinicians in the psychomotor skills associated with ultrasound guided fine needle biopsy procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of soft tissue masses as tumors found in superficial anatomical structures, using ultrasound system calculation packages, and using ultrasound to target the lesions for fine needle biopsy.

**Foreign Body Identification Ultrasound Training Model****£374.75 ex VAT**  
**Item# BPF140**

Excellent for training clinicians in the techniques associated with ultrasound guided foreign body identification, targeting, and retrieval. Blue Phantom's ultrasound guided foreign body identification medical training model allows users to develop and practice the psycho-motor skills necessary to gain proficiency in using ultrasound. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of a wide variety of foreign bodies in soft tissue, targeting the foreign bodies, and eventual retrieval, if desired.

## Select Series™ Models (continued)



### Elastography Ultrasound Breast Phantom

Using Blue Phantom proprietary simulated human tissue, this very realistic and ultra-durable breast elastography ultrasound training model is excellent for elastography and B-Model ultrasound training. This elastography phantom assists in educating clinicians in the acquisition of ultrasound elastogram images as well as developing the hand-eye coordination associated with breast ultrasound guided fine needle biopsy procedures. These ultrasound imaging skills include; using ultrasound system controls, obtaining elastography ultrasound images, proper elastography transducer contact pressures, transducer positioning and movement, recognition of soft tissue masses, breast lesions, and breast tumors in human soft tissue, and using ultrasound to target the lesions for fine needle biopsy.

**£299.25 ex VAT**  
**Item# BP1901**

### Breasts Biopsy Ultrasound Training Model

Blue Phantom's breast ultrasound medical training model allows users to develop and practice the skills necessary to gain proficiency in using ultrasound for imaging and surgical procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of soft tissue masses, breast lesions, and breast tumors in human soft tissue, and using ultrasound to target the lesions for fine needle biopsy.

**£261.75 ex VAT**  
**Item# BPB170**



### Thyroid Biopsy Ultrasound Training Model

Blue Phantom thyroid ultrasound fine needle biopsy training model allows users to develop and practice the skills necessary to gain proficiency in using ultrasound for imaging and guiding thyroid fine needle biopsy procedures. Using Blue Phantom simulated human tissue, this very realistic and ultra-durable thyroid biopsy ultrasound training model is excellent for training clinicians in the psychomotor skills associated with ultrasound guided fine needle biopsies of the thyroid gland. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of thyroid and surrounding structural anatomy, identification of a variety of masses present in the thyroid gland, using ultrasound system calculation packages, and using ultrasound to target the lesions for fine needle biopsies.

**£974.25 ex VAT**  
**Item# BPT195**

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## Lower Torso Models



### Femoral Vascular Access Lower Torso Ultrasound Model

Blue Phantom's femoral vascular access lower torso ultrasound guided central venous access training model allows users to develop and practice the skills necessary to gain proficiency in using ultrasound to guide needle and catheter insertions in the femoral artery and vein. Using Blue Phantom proprietary simulated human tissue, this very realistic and ultra-durable vascular access ultrasound training mannequin is excellent for training clinicians in the psychomotor skills associated with ultrasound guided vascular access procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of arterial and venous anatomy, using ultrasound to target the appropriate vessels for cannulation, and performing a central venous access procedure. Additionally, a deep vein thrombosis (DVT) option allows users to learn to identify the presence of thrombus in the deep vessels.

£2249.25 ex VAT  
Item# BPF1410-NP  
No Pump

£2399.25 ex VAT  
Item# BPF1410-HP  
Hand Pump

£4949.25 ex VAT  
Item# BPF1410-AP  
Automated Pump

Add DVT option  
£225.00 ex VAT  
Item # BPF1413-DVT

### Femoral Regional Anesthesia & Vascular Access Lower Torso Ultrasound Model

Blue Phantom's femoral lower torso ultrasound guided regional anesthesia and central venous access training model is excellent to train users to develop and practice the skills necessary to gain proficiency in using ultrasound for regional anesthesia procedures of the femoral nerve as well as guide catheter insertions in the femoral artery and vein. Using Blue Phantom simulated human tissue, this very realistic and ultra-durable ultrasound training phantom is excellent for training clinicians in the psychomotor skills associated with ultrasound guided regional anesthesia as well as vascular access procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of nerves, arterial and venous anatomy, using ultrasound to target the femoral nerves for regional anesthesia procedures, guide needles to blood vessels for cannulation, and performing vascular access procedures. Users can utilize traditional anatomical landmarks for blind venous access insertion techniques, or utilize ultrasound to obtain images of pertinent anatomical structures.

£2999.25 ex VAT  
Item# BPF1400-NP  
No Pump

£3224.25 ex VAT  
Item# BPF1400-HP  
Hand Pump

£5624.25 ex VAT  
Item# BPF1400-AP  
Automated Pump

Add DVT option  
£225.00 ex VAT  
Item # BPF1413-DVT

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## Lower Torso Models (continued)



### Renal Biopsy Ultrasound Training Model

Our renal biopsy ultrasound training model is excellent for assisting clinicians in gaining proficiency in the use of ultrasound to guide percutaneous kidney biopsy procedures. Gain ultrasound guided renal biopsy procedural proficiencies and competency using our extremely realistic and durable ultrasound training models.

£2624.25 ex VAT  
Item# BPRB2011



### TAP Block Ultrasound Training Model

Blue Phantom's TAP block ultrasound training model assists users in the development of the psychomotor skills associated with performing ultrasound guided transversus abdominis plane (TAP) block regional anesthesia procedures. Built on Blue Phantom's superb realism and unmatched durability of our synthetic tissues, our TAP block ultrasound training model assists users in the identification, localization, and targeting of structures utilized in performing this regional anesthesia procedure. These structures include the cutaneous and subcutaneous tissues, external oblique muscle, internal oblique muscle, transversus abdominis muscles, and the peritoneum. Users are able to simulate the entire TAP block procedure using this highly realistic and durable ultrasound training model. With the goal of depositing local anesthetic in the plane between the internal oblique and transversus abdominis muscles, users can inject simulated anesthetic into the model repeatedly as the fluid is automatically expelled.

£2624.25 ex VAT  
Item# BP2001-TAP

## Endovaginal Models



### Intrauterine Pregnancy Transvaginal Ultrasound Training Models

£4499.25 ex VAT  
Item# BPOB1200

Blue Phantom's intrauterine pregnancy (IUP) endovaginal ultrasound training model is an extremely life-like training mannequin superb for training users to develop and practice the skills necessary to perform first trimester transvaginal ultrasound exams. Using Blue Phantom simulated human tissue, our realistic IUP endovaginal ultrasound medical training model is excellent for training clinicians in the psychomotor skills associated with endovaginal ultrasound procedures on gravid patients in their first trimester of pregnancy; learn to scan, identify normal pelvic structures and identify pathology using ultrasound sonography. And do it when you want, where you want, without the risk, inconvenience and expense of using human models.

### Ectopic Pregnancy Transvaginal Ultrasound Training Model

£4499.25 ex VAT  
Item# BPOB1210

Extremely realistic ectopic pregnancy transvaginal ultrasound training phantom. This life-like training mannequin is excellent for training users to develop and practice the psychomotor skills necessary to perform transvaginal ultrasound exams on the patient with an ectopic pregnancy. Use your ultrasound system for training; our tissue technology allows users to utilize their ultrasound system to practice all of the elements necessary to gain proficiency in performing transvaginal ultrasonography including identification of normal pelvic structures and pathology. And do it when you want, where you want, without the risk, inconvenience and expense of using human models.

### Transvaginal SonoHysterography and Sonosalpingography Ultrasound Training Model

£4949.25 ex VAT  
Item# BPOB1801

Excellent for training clinicians in the techniques associated with sonohysterography and sonosalpingography procedures. Blue Phantom's endovaginal ultrasound guided sonohysterography and sonosalpingography training model offers clinicians an extremely realistic training platform where users are able to perform an entire sonohysterography and sonosalpingography procedure and are able to perform the procedures repeatedly when they want, where they want without the risks, costs and difficulty of arranging for human models.

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## Endovaginal Models (continued)

### Combination IUP Ectopic Pregnancy Transvaginal Ultrasound Training Model

**£5624.25 ex VAT**  
Item# BPOB1227

Blue Phantom's combination Intrauterine Pregnancy (IUP) and Ectopic Pregnancy Transvaginal ultrasound training model offers the excellent imaging characteristics found in our Intrauterine Pregnancy Transvaginal model as well as Ectopic Pregnancy Transvaginal model, all in one life-like ultrasound training model. Manufactured using Blue Phantom's patented simulated human tissue, this extremely realistic combination transvaginal medical training model offers the opportunity for clinicians to develop and practice the psychomotor and imaging skills necessary to perform first trimester transvaginal ultrasound exams. With your ultrasound system and Blue Phantom's IUP and Ectopic Pregnancy Transvaginal phantom, it is possible for users of all levels to learn to scan, identify normal internal pelvic structures and pathology in the gravid first trimester patient using ultrasound sonography. Our combination pelvic model allows you the flexibility to learn where and when you want, without the risk, inconvenience, or expense of using human models.

### General Pathology Transvaginal Ultrasound Training Model

**£4499.25 ex VAT**  
Item# BPOB1220

Our General Pathology transvaginal ultrasound training phantom offers users an excellent training platform for teaching and learning how to perform endovaginal ultrasound procedures using their own ultrasound system. Numerous pelvic pathology is present in our life-like training mannequin. Excellent for training users to develop and practice image acquisition, interpretation, and the psychomotor skills necessary to perform transvaginal ultrasound exams on the patient with multiple pathological conditions. Gain proficiency in performing transvaginal ultrasonography including identification of normal pelvic structures and pathology. And do it when you want, where you want, without the risk, inconvenience and expense of using human models.

## Amniocentesis Models



### Amniocentesis Ultrasound Training Model

Blue Phantom's amniocentesis training mannequin offers clinicians an excellent training platform for developing, practicing, and validating the skills associated with ultrasound guided amniocentesis procedures. Train users in image acquisition, interpretation, and the psychomotor skills necessary to use ultrasound to guide amniocentesis procedures. And do it when you want, where you want, without the risk associated with performing procedures on human patients. Develop, practice, and verify user's ultrasound imaging skills including; using ultrasound system controls, transducer positioning and movement, recognition of anatomy including amniotic fluid collections, placenta, fetal location, as well as accessory pelvic anatomy. Excellent for using 2-D, 3-D, and 4-D ultrasonography imaging technique.

£4499.25 ex VAT

Item# BP1610

## Scrotal Models



### Scrotal Ultrasound Training Model

Blue Phantom's Scrotal Ultrasound hands-on training model offers users an excellent training platform for teaching and learning how to perform scrotal ultrasound procedures using their own ultrasound system. This extremely life-like ultrasound phantom contains anatomically correct internal and external anatomy with both normal and pathological scrotal structures represented. Excellent for training users to develop and practice patient setup, image acquisition, interpretation, and the psychomotor skills necessary to perform scrotal ultrasound exams. Gain proficiency in performing scrotal ultrasonography including identification of normal scrotal structures and pathology. And do it when you want, where you want, without the risk, inconvenience and expense of using human models.

£4349.25 ex VAT

Item# BPS801

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## Spinal Epidural & Lumbar Puncture Models



### Spinal Epidural & Lumbar Puncture Ultrasound Training Model

Blue Phantom spinal epidural and lumbar puncture training model offers clinicians the flexibility to practice and teach a wide variety of procedures including lumbar puncture, lumbar epidural, thoracic epidural, and cervical epidural diagnostic and therapeutic procedures\*. Our spinal epidural and lumbar puncture model is available in a variety of configurations to meet your training needs. The base model contains the lumbar puncture and lumbar epidural configuration. Users are able to add an additional spinal region to the base platform at an additional cost. These optional configurations include thoracic epidural and cervical epidural modules.

The model is excellent in its realism, quality and durability offering you the ability to use ultrasound or utilize blind insertion techniques while performing lumbar puncture or epidural procedures to access the epidural or subarachnoid space. The model is superb for needle access as well as the placement of catheters.

\*The thoracic tissue module and cervical tissue module are optional and available at an additional cost.

**£2624.25 ex VAT**  
**Item # BPLP2101**

**with Thoracic Epidural**  
**£4124.25 ex VAT**  
**Item # BPLP2102**

**with Cervical Epidural**  
**£4124.25 ex VAT**  
**Item # BPLP2103**

## Paracentesis Models



### Paracentesis Ultrasound Training Model

Blue Phantom ultrasound guided paracentesis training model is designed to aid clinicians in the use of ultrasound to recognize intraperitoneal fluid collections and development of the psychomotor skills associated with ultrasound guided paracentesis procedures. The superb realism helps users learn to use ultrasound to identify appropriate anatomy and to guide needle and catheter placements in the mid abdominal region in a patient with intraperitoneal fluid consistent with hemoperitoneum, ascites or other pathological scenarios. Using Blue Phantom patented simulated human tissue, this very realistic and ultra-durable ultrasound guided paracentesis training model is excellent for training clinicians in ultrasound skills including; using ultrasound system controls, transducer positioning and movement, recognition of liver, bowel, and intraperitoneal fluid collections, using ultrasound to target the appropriate pocket of fluid, and guiding the needle to the targeted fluid pocket in real-time for pathological assessment.

Contained in an adult size human torso, the paracentesis ultrasound module contains the right lobe of the liver, small bowel, and a variety of fluid pockets ranging in size from small, medium, and large allowing the user to begin their ultrasound training with easily obtainable fluid spaces and to progress to targeting smaller fluid collections as their skills progress.

**£3749.25 ex VAT**  
**Item# BPPara1301-NFN-NFV**

**£5023.50 ex VAT**  
**Item # BPPara1301-NFN-FV**  
**with Femoral Vessel**

**£5773.50 ex VAT**  
**Item # BPPara-Fem1301-FN-FV**  
**with Femoral Vessel & Femoral Nerve**

## Thoracentesis Models



### Thoracentesis Ultrasound Training Model

Blue Phantom's ultrasound guided thoracentesis and chest tube thoracostomy training model allows users to develop and practice the skills necessary to gain proficiency in using ultrasound to identify and guide needle and catheter insertions in the patient with pleural effusions. This dual purpose training mannequin is also designed to allow users to learn to perform chest tube thoracostomy utilizing non-ultrasoundable chest portals. Thoracentesis US Training Model. Ultrasound guided thoracentesis, pneumothorax and hemothorax training mannequin. Package includes chest training platform, ultrasound tissue module for guided fine needle fluid aspirations and small caliber catheter placements, non-ultrasound tissue insert module for large bore chest tube placements and anterior portal for small bore chest tubes.

**£2999.25 ex VAT**  
**Item# BPTT1000-1**

## Midscapular Thoracentesis Models



### Midscapular Thoracentesis Ultrasound Training Model

£2999.25 ex VAT  
Item# BPTT21005

Blue Phantom's mid-scapular thoracentesis ultrasound training model is specifically designed for ultrasound guided thoracentesis procedures. This ultrasound training phantom aids users in developing and practicing the skills associated with a mid scapular approach to ultrasound guided thoracentesis procedures. This model is excellent for assisting clinicians in gaining proficiency in using ultrasound to identify and guide needle and small gauge catheter insertions in a patient with pleural effusions for diagnostic and/or therapeutic purposes.

The model is of a supine adult male and extends from the upper buttocks to the lower neck. Positioned in the mid scapular line, the ultrasound tissue insert contains chest wall superficial tissue, 6th, 7th, 8th, and 9th ribs and intercostal spaces, pleural cavity with lung and atelectatic lung, diaphragm, and superior spleen. The pleural fluid collections allow users to develop and refine their ultrasound guided thoracentesis skills. This model is extremely realistic and is self-healing offering you superb training with a low cost of ownership.

The ultrasound tissue insert offers extremely realistic sonographic imaging characteristics is designed for guiding the placement of needles and small catheters (18-21 gauge and associated catheter kits). Blue Phantom simulated human tissue is very realistic and ultra-durable; excellent for repeated training in skills associated with ultrasound guided thoracentesis procedures. Positive fluid flow offers users feedback when pleural effusions are accurately accessed. The fluid is easily refilled using a quick fill luer lock or can be connected to an I.V. reservoir for continuous fluid delivery. Users can also learn to avoid accessory structures as the spleen, diaphragm and lung.

## Abdominal Aortic Aneurysm Models



### Abdominal Aortic Aneurysm Ultrasound Training Model

Excellent for training clinicians in the techniques associated with abdominal aortic aneurysm (AAA) ultrasound imaging. Blue Phantom's abdominal aortic aneurysm ultrasound phantom training platform allows users to develop and practice ultrasound imaging skills such as using ultrasound system controls, transducer positioning and movement, the recognition of normal and pathological ultrasound imaging characteristics, and utilization of the ultrasound system's calculation modules. A hand bulb offers the user the ability to generate pulsatility within the arterial structures in the ultrasound training model as the aorta, iliac arteries, and renal arteries. The internal structures include the aorta with a fusiform abdominal aortic aneurysm with simulated thrombus, iliac arteries, renal arteries, inferior vena cava (IVC), hemoperitoneum, spine, bowel, liver segment and other miscellaneous structures. All blood vessels are fluid filled.

**£4499.25 ex VAT**  
**Item# BPAAA1500**  
**No Pump**

**£225.00 ex VAT**  
**Item# BPAAA1500-HP**  
**Optional Hand Pump**

## FAST Trauma Models



### FAST Exam Real-Time Ultrasound Training Model

**£18750.00 ex VAT**  
**Item# 1800-FAST**

Extremely realistic Focused Assessment with Sonography for Trauma (FAST) ultrasound training model. The first fully imageable FAST ultrasound trauma model, this extremely life-like training mannequin is excellent for training users to develop and practice the skills necessary to perform FAST trauma ultrasound exams utilizing your own ultrasound imaging system.

Fully imageable upper and lower torso using real-time sonography.

Use your ultrasound system to train users to perform FAST ultrasound exams. Train on realistic models; constructed using Blue Phantom's patented simulated human tissue, users will experience superb ultrasound imaging characteristics of the structures in the thorax, right upper quadrant, left upper quadrant, abdomen, and pelvis while encountering the same imaging challenges as found in a human patient such as applying the adequate transducer pressure in order to obtain images, bowel gas and intercostal access. At Blue Phantom we expend tremendous effort to match the imaging characteristics and feel of real human tissue allowing you to teach and train under optimal conditions. We know that the best simulation training scenarios are requisite on users experiencing the same procedural realism as performing FAST exam procedures on patients. Our realism makes your training better: all structures match the sonographic acoustic characteristics of real human tissue providing uncompromising image quality.

Adjustable internal bleeding levels allow users to individually vary the training scenarios based on the scenarios being presented. This fully imageable upper and lower torso offers extremely realistic internal bleeding in each organ space that can be adjusted by the user to simulate a wide variety of effusion states around the liver, spleen, heart, and bladder.

## TTE, TEE and Pericardiocentesis Models



### Transthoracic Echocardiography / Pericardiocentesis Ultrasound Training Model

£11,250.00 ex VAT  
Item# BPTTE1701

Excellent for training clinicians in the techniques associated with transthoracic echocardiography (TTE), and ultrasound guided pericardiocentesis procedural training. Blue Phantom's cardiac echo ultrasound training platform allows users to develop and practice ultrasound imaging skills as transthoracic echocardiography and ultrasound guided pericardiocentesis. These skills include; using ultrasound system controls, transducer placement, positioning and movement, applying proper transducer pressure to obtain images, recognition of the cardiac structures, lung and rib artifacts and other anatomical structures and guiding needles and catheters to the pericardial space for pericardiocentesis training. Offers an extremely realistic imaging training platform as you utilize your own ultrasound system for simulation training. Self healing simulated tissue allows for repeated procedural training without fluid leakage.

This extremely realistic life size ultrasound simulation training model extends from the neck to the mid thigh. This simulation trainer will perform well using any ultrasound imaging system configured with the appropriate transducer for echocardiography imaging procedures. Our uncompromising quality allows clinicians to utilize the model and repeatedly practice the procedure without the high costs of replacing disposable parts. Users can expect extreme durability with the simulated tissue able to perform well for thousands of procedures. This ultrasound simulation model is excellent for cardiology, anesthesiology, emergency medicine, ultrasound training programs, simulation centers, surgical skills centers, medical education facilities, and ultrasound manufacturers for ultrasound education and demonstrations.

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Prices Subject to change without notice

## TTE, TEE and Pericardiocentesis Models (continued)



### Transesophageal & Transthoracic Echo Training Model

**£16,875.00 ex VAT**  
**Item# BPTEE1702**

Excellent for training clinicians in the techniques associated with transthoracic echocardiography, transesophageal echo (TEE), and ultrasound guided pericardiocentesis procedural training. Blue Phantom's TTE/TEE cardiac ultrasound training platform allows users to develop and practice ultrasound imaging skills as TEE, transthoracic echocardiography, and ultrasound guided pericardiocentesis. These skills include; using ultrasound system controls, transducer insertion & placement, probe positioning and movement, applying proper transducer pressure to obtain images, recognition of the cardiac structures, lung and rib artifacts and other anatomical structures and guiding needles and catheters to the pericardial space for pericardiocentesis training. Offers an extremely realistic echocardiography training platform as you utilize your own ultrasound system for simulation training. Self healing simulated tissue allows for repeated procedural training without fluid leakage while utilizing 18 - 21 gauge needles and corresponding catheters.

This extremely realistic life size transesophageal TEE and transthoracic echo simulator includes an articulating jaw and extends from the head to the mid thigh. Utilize your own ultrasound system and a TEE simulator; this simulation trainer will perform well using any ultrasound imaging system configured with appropriate transducers for echocardiography imaging procedures. Our uncompromising quality allows clinicians to utilize the model and repeatedly practice the procedure without the high costs of replacing disposable parts. Users can expect extreme durability with the simulated tissue able to perform well for thousands of pericardiocentesis procedures. This ultrasound simulation model is excellent for cardiology, anesthesiology, emergency medicine, ultrasound training programs, simulation centers, surgical skills centers, medical education facilities, and ultrasound manufacturers for ultrasound education and demonstrations.

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## Accessories & Replacement Inserts

### Arm Inserts



#### Upper Arm Tissue Insert with Brachial and Basilic Vessels

£486.75 ex VAT  
Item# BPAI205

Blue Phantom's PICC vascular access upper arm tissue module is designed for practitioners interested in developing and practicing the skills associated with ultrasound guided PICC line placement. This hands-on training mannequin is intended to assist users in learning to place needles in the brachial and basilic veins. Use alone or with Blue Phantom arm models containing an upper arm cavity (part number p/n BPA200, BPA202 and BPA204).

#### Upper Arm Tissue Insert with Brachial and Basilic Veins and Brachial Thrombosis

£561.75 ex VAT  
Item# BPAI206

Blue Phantom's PICC vascular access upper arm tissue with brachial thrombus is designed for users interested in developing and practicing the skills associated with ultrasound guided PICC line placement as well as teaching users to identify thrombus in the brachial vein. This hands-on training mannequin is intended to assist users in learning to place needles in the brachial and basilic veins using modified Seldinger techniques and learn to identify venous thrombosis in the upper arm as a source of resistance to threading guidewires and catheters during peripherally inserted central catheter line insertion. Designed for seamless integration into Blue Phantom arm models containing an upper arm cavity (Part Number P/N# BPA202, BPA204 and BPA200)

#### Lower Arm Tissue Insert

£486.75 ex VAT  
Item# BPAI215

True Anatomy Series Lower Arm Insert insert for ultrasound guided vascular access technique training. Contains the radial and ulnar arteries as well as the basilic and axillary veins. Used with True Anatomy Arm Model BPA203 & BPA204.

## Leg Inserts



### Leg Tissue Insert with Sapheno-Femoral Vessels

Blue Phantom's leg vascular access ultrasound training mannequin model allows users to develop and practice the skills necessary to gain proficiency in using ultrasound to guide needle and catheter insertions in the saphenous and femoral vein. Using Blue Phantom proprietary simulated human tissue, this very realistic and ultra-durable venous access ultrasound training mannequin is excellent for training clinicians in the psychomotor skills associated with ultrasound guided vascular access procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of venous anatomy, using ultrasound to target the appropriate vessels for cannulation, and performing a central venous access procedure. Additionally, a deep vein thrombosis (DVT) option allows users to learn to identify the presence of thrombus in the deep vessels.

**£1499.25 ex VAT**  
**Item# BPLI405**

**With DVT Option**  
**£1574.25 ex VAT**  
**Item # BPLI415**

### Leg Tissue Insert for Soft Tissue Mass Biopsies

Blue Phantom's soft tissue biopsy leg insert is a ultrasound medical training model which allows users to develop and practice the skills necessary to gain proficiency in using ultrasound for guided imaging procedures. Using Blue Phantom patented simulated human tissue, this very realistic and ultra-durable soft tissue biopsy phantom model is excellent for training clinicians in the psychomotor skills associated with ultrasound guided fine needle biopsy procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of soft tissue masses, and tumors in human soft tissue, and using ultrasound to target the lesions for needle biopsy.

**£1274.25 ex VAT**  
**Item # BPLI420**

### Leg Tissue Insert for Foreign Body Identification

Blue Phantom leg foreign body identification models are excellent for training clinicians in the techniques associated with ultrasound guided foreign body identification, targeting, and/or retrieval. Aiding users in the development of the psycho-motor skills necessary to gain proficiency in using ultrasound, these ultrasound phantoms contain a wide variety of objects with distinctive sonographic characteristics including metal projectile BBs, metal shrapnel fragments, wooden splinters, metal needles, large glass fragments, and glass shards. Utilized to develop ultrasound imaging skills as using ultrasound system controls, transducer positioning and movement, recognition of a wide variety of foreign bodies in soft tissue, targeting the foreign bodies, and eventual retrieval, if desired.

**£1274.25 ex VAT**  
**Item# BPLI410**

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## Leg Inserts (continued)

### Superior Sciatic Nerve Leg Model Replacement Tissue Insert

£974.25 ex VAT  
Item# BPLNB652

Blue Phantom's sciatic leg ultrasound guided regional anesthesia training phantom is excellent to train users to develop and practice the skills necessary to gain proficiency in using ultrasound for peripheral nerve block regional anesthesia procedures of the sciatic nerve. Using Blue Phantom simulated human tissue, this very realistic and ultra-durable ultrasound training phantom is excellent for training clinicians in the psychomotor skills associated with ultrasound guided regional anesthesia procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of the sciatic nerves, using ultrasound to target the sciatic nerves for regional anesthesia procedures including injecting simulated anesthetics in the model for simulating the entire sciatic nerve peripheral nerve block procedure.

### Inferior Sciatic Nerve Leg Model Replacement Tissue Insert

£974.25 ex VAT  
Item# BPLNB653

Blue Phantom's sciatic leg ultrasound guided regional anesthesia training phantom is excellent to train users to develop and practice the skills necessary to gain proficiency in using ultrasound for peripheral nerve block regional anesthesia procedures of the sciatic nerve. Using Blue Phantom simulated human tissue, this very realistic and ultra-durable ultrasound training phantom is excellent for training clinicians in the psychomotor skills associated with ultrasound guided regional anesthesia procedures. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of the sciatic nerves, using ultrasound to target the sciatic nerves for regional anesthesia procedures including injecting simulated anesthetics in the model for simulating the entire sciatic nerve peripheral nerve block procedure.

## Upper Torso Inserts



### NEW Central Venous Access Ultrasound Training Model Tissue Insert

£1199.25 ex VAT  
Item# BPH663

Blue Phantom upper torso ultrasound guided replacement tissue insert for central venous access training models allow users to develop and practice the skills necessary to gain proficiency using ultrasound for guiding catheter insertions in the internal jugular vein (IJ), subclavian vein, and axillary vein. Blue Phantom's simulated central venous access ultrasound training human tissue insert pads, offer superb realism and are ultra-durable.

Transparent Insert

£1499.25 ex VAT  
Item# BPH667-C

The central venous access replacement inserts are available in three configurations– no pump, hand pump, automated pump which simulate arterial pulsation in your model. Each of Blue Phantom's three simulated tissue inserts has a unique tubing configuration depending on the pulsation method of your current model. In selecting your replacement tissue pad, please choose the same tubing configuration as your current model (no pump, hand pump or automated pump) to ensure your replacement insert configures correctly with your existing model. For use with BPH660 models, tissue replacement only, does not include pump.

### NEW Regional Anesthesia and Central Venous Access Ultrasound Replacement Tissue

£2174.25 ex VAT  
Item# BPHNB673

Blue Phantom replacement tissue for our upper torso ultrasound guided regional anesthesia and central venous access training mannequin is extremely realistic and ultra-durable. Users can expect to train users through thousands of cannulation and injections while they develop their ultrasound guided regional anesthesia and central venous access procedural skills. The model is excellent in assisting users in their development of the skills necessary to gain proficiency in using ultrasound for peripheral nerve block regional anesthesia procedures of the brachialplexus as well as guide catheter insertions in the internal jugular vein (IJ), subclavian vein, and axillary vein. This ultrasound training phantom is excellent for training clinicians in the psychomotor skills associated with ultrasound guided nerve blocks of the brachialplexus as well as vascular access procedures of the internal jugular vein, subclavian vein, and axillary vein. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of nerves, arterial and venous anatomy, using ultrasound to target the nerves of the brachialplexus for regional anesthesia procedures, guide needles to blood vessels for cannulation, and performing central venous access procedures. . For use with BPHNB670 models, tissue replacement only, does not include pump.

Transparent Insert

£2474.25 ex VAT  
Item# BPHNB677-C

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Prices Subject to change without notice

## Upper Torso Inserts (continued)



### Central Venous Access Ultrasound Training Model Tissue Insert

Blue Phantom upper torso ultrasound guided replacement tissue insert for central venous access training models allow users to develop and practice the skills necessary to gain proficiency using ultrasound for guiding catheter insertions in the internal jugular vein (IJ), subclavian vein, and axillary vein. Blue Phantom's simulated central venous access ultrasound training human tissue insert pads, offer superb realism and are ultra-durable.

The central venous access replacement inserts are available in three configurations— no pump, hand pump, automated pump which simulate arterial pulsation in your model. Each of Blue Phantom's three simulated tissue inserts has a unique tubing configuration depending on the pulsation method of your current model. In selecting your replacement tissue pad, please choose the same tubing configuration as your current model (no pump, hand pump or automated pump) to ensure your replacement insert configures correctly with your existing model. For use with BPH600, BPHNB610 and BPH603 models.

**£899.25 ex VAT**  
Item# CVBPH601-NP  
No Pump

**£1049.25 ex VAT**  
Item# CVBPH601-HP  
Hand Pump

### Regional Anesthesia and Central Venous Access Ultrasound Replacement Tissue

Blue Phantom replacement tissue for our upper torso ultrasound guided regional anesthesia and central venous access training mannequin is extremely realistic and ultra-durable. Users can expect to train users through thousands of cannulation and injections while they develop their ultrasound guided regional anesthesia and central venous access procedural skills. The model is excellent in assisting users in their development of the skills necessary to gain proficiency in using ultrasound for peripheral nerve block regional anesthesia procedures of the brachialplexus as well as guide catheter insertions in the internal jugular vein (IJ), subclavian vein, and axillary vein. This ultrasound training phantom is excellent for training clinicians in the psychomotor skills associated with ultrasound guided nerve blocks of the brachialplexus as well as vascular access procedures of the internal jugular vein, subclavian vein, and axillary vein. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of nerves, arterial and venous anatomy, using ultrasound to target the nerves of the brachialplexus for regional anesthesia procedures, guide needles to blood vessels for cannulation, and performing central venous access procedures. For use with BPH600, BPHNB610 and BPH603 models.

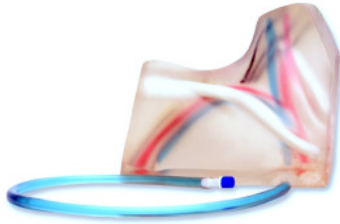
**£1949.25 ex VAT**  
Item# BPHNB631-NP  
No Pump

**£2099.25 ex VAT**  
Item# BPHNB631-HP  
Hand Pump

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## Upper Torso Inserts (continued)



### Clear Central Venous Access Ultrasound Training Model Tissue Insert

Blue Phantom upper torso ultrasound guided replacement tissue insert for central venous access training models allow users to develop and practice the skills necessary to gain proficiency using ultrasound for guiding catheter insertions in the internal jugular vein (IJ), subclavian vein, and axillary vein. Blue Phantom's simulated central venous access ultrasound training human tissue insert pads, offer superb realism and are ultra-durable.

The central venous access replacement inserts are available in three configurations— no pump, hand pump, automated pump which simulate arterial pulsation in your model. Each of Blue Phantom's three simulated tissue inserts has a unique tubing configuration depending on the pulsation method of your current model. In selecting your replacement tissue pad, please choose the same tubing configuration as your current model (no pump, hand pump or automated pump) to ensure your replacement insert configures correctly with your existing model.

**£1199.25 ex VAT**  
**Item# CVBPH602-C-NP**  
**No Pump**

**1349.25 ex VAT**  
**Item# CVBPH602-C-HP**  
**Hand Pump**

### Clear Regional Anesthesia and Central Venous Access Ultrasound Replacement Tissue

Blue Phantom replacement tissue for our upper torso ultrasound guided regional anesthesia and central venous access training mannequin is extremely realistic and ultra-durable. Users can expect to train users through thousands of cannulation and injections while they develop their ultrasound guided regional anesthesia and central venous access procedural skills. The model is excellent in assisting users in their development of the skills necessary to gain proficiency in using ultrasound for peripheral nerve block regional anesthesia procedures of the brachialplexus as well as guide catheter insertions in the internal jugular vein (IJ), subclavian vein, and axillary vein. This ultrasound training phantom is excellent for training clinicians in the psychomotor skills associated with ultrasound guided nerve blocks of the brachialplexus as well as vascular access procedures of the internal jugular vein, subclavian vein, and axillary vein. These ultrasound imaging skills include; using ultrasound system controls, transducer positioning and movement, recognition of nerves, arterial and venous anatomy, using ultrasound to target the nerves of the brachialplexus for regional anesthesia procedures, guide needles to blood vessels for cannulation, and performing central venous access procedures.

**£2249.25 ex VAT**  
**Item# BPHNB616-C-NP**  
**No Pump**

**£2399.25 ex VAT**  
**Item# BPHNB616-C-HP**  
**Hand Pump**

## Lower Torso Inserts



### Femoral Vascular Access Lower Torso Ultrasound Model Replacement Tissue

Blue Phantom's femoral replacement tissue insert is intended for use with our femoral vascular access lower torso ultrasound training model (BPF-1410). The femoral insert is designed using Blue Phantom's ultra-durable and self-healing tissue. Cannulate the femoral vessels with needles and catheters >1000 times without replacing the tissue (recommended needle and catheter size: 18 – 21 gauge needles and 7Fr triple lumen catheters). For added training options, users can choose to add a deep vein thrombosis (DVT) to the femoral vein and/or add the femoral nerve for ultrasound guided regional anesthesia procedures. Our patented tissue is extremely realistic – both imaging and feeling like real human tissue. Blue Phantom's durability offers you the most realistic training environment available anywhere at a low cost of ownership.

**£1124.25 ex VAT**  
**Item# BPF1415-NP**  
**No Pump**

**£1274.25 ex VAT**  
**Item# BPF1415-HP**  
**Hand Pump**

**£1349.25 ex VAT**  
**Item# BPF1415-AP**  
**Automated Pump**

**Add DVT Option**  
**£225.00 ex VAT**  
**Item# BPF1413-DVT**

### Femoral Regional Anaesthesia and Vascular Access Lower Torso Ultrasound Model Replacement Tissue

Blue Phantom's femoral replacement tissue insert is intended for use with our femoral vascular access lower torso ultrasound training model (BPF-1410). The femoral insert is designed using Blue Phantom's ultra-durable and self-healing tissue. Cannulate the femoral vessels with needles and catheters >1000 times without replacing the tissue (recommended needle and catheter size: 18 – 21 gauge needles and 7Fr triple lumen catheters). For added training options, users can choose to add a deep vein thrombosis (DVT) to the femoral vein and/or add the femoral nerve for ultrasound guided regional anesthesia procedures. Our patented tissue is extremely realistic – both imaging and feeling like real human tissue. Blue Phantom's durability offers you the most realistic training environment available anywhere at a low cost of ownership.

**£1799.25 ex VAT**  
**Item# BPF1412-NP**  
**No Pump**

**£1949.25 ex VAT**  
**Item# BPF1412-HP**  
**Hand Pump**

**£2024.25 ex VAT**  
**Item# BPF1412-AP**  
**Automated Pump**

**Add DVT Option**  
**£225.00 ex VAT**  
**Item# BPF1413-DVT**

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## Lower Torso Inserts (continued)



### Replacement Kidneys for Renal Biopsy Ultrasound Training Model

**£299.25 ex VAT**  
**Item# BPRB2013**

Blue Phantom ultrasound guided renal biopsy replacement kidneys offer users extremely realistic sonographic imaging characteristics. The kidneys contain the renal cortex, renal medulla and major and minor calyx. Constructed using Blue Phantom simulated tissue which matches the acoustic characteristics of real human tissue so when you use your ultrasound system on our training models, you experience the same quality you expect from imaging patients in a clinical environment. The replacement kidneys are designed for use with our Renal Biopsy Ultrasound Training Model P/N BPRB-2011.

### Replacement Tissue Insert for TAP Block Ultrasound Model

**£1499.25 ex VAT**  
**Item# BP2002-TAP**

Blue Phantom's TAP block ultrasound training model assists users in the development of the psychomotor skills associated with performing ultrasound guided transversus abdominis plane (TAP) block regional anesthesia procedures. Built on Blue Phantom's superb realism and unmatched durability of our synthetic tissues, our TAP block ultrasound training model assists users in the identification, localization, and targeting of structures utilized in performing this regional anesthesia procedure. These structures include the cutaneous and subcutaneous tissues, external oblique muscle, internal oblique muscle, transversus abdominis muscles, and the peritoneum. Users are able to simulate the entire TAP block procedure using this highly realistic and durable ultrasound training model. With the goal of depositing local anesthetic in the plane between the internal oblique and transversus abdominis muscles, users can inject simulated anesthetic into the model repeatedly as the fluid is automatically expelled.

## Lower Torso Inserts (continued)



### Midscapular Thoracentesis Ultrasound Replacement Tissue Insert

£1874.25 ex VAT  
Item# BPTT21006

Blue Phantom replacement tissue for the Midscapular Thoracentesis ultrasound training model. Manufactured utilizing Blue Phantom ultra-durable self-healing tissue, the tissue is extremely realistic in ultrasound imaging and feels like real human tissue – providing you with optimal training at a low cost of ownership. This replacement tissue is designed for use with our Midscapular Thoracentesis ultrasound training model P/N BPTT2-1005.



### Paracentesis Ultrasound Training Model Replacement Tissue Insert

£2249.25 ex VAT  
Item # BPPara1302

Blue Phantom's paracentesis replacement tissue insert is intended for use with our paracentesis lower torso ultrasound training model (with or without femoral tissue option). The paracentesis insert is designed using Blue Phantom's ultra-durable and self-healing tissue. Our patented tissue is extremely realistic – both imaging and feeling like real human tissue. We know that gaining proficiency in ultrasound requires practice. Our self-healing tissue will allow you to repeatedly perform ultrasound guided paracentesis procedures without giving second thought to wearing out the tissue or calculating cost per use. Blue Phantom's durability offers you the most realistic training environment available anywhere at a low cost of ownership.

## Thoracentesis Model Inserts



### Thoracentesis Model Anterior Portal Replacement (non-ultrasoundable)

£159.37 ex VAT  
Item# BPTT1003

Blue Phantom chest tube thoracostomy training model anterior replacement portal. Use with Blue Phantom thoracentesis and chest tube thoracostomy ultrasound training model P/N BPTT1000-1. Designed to allow users to learn to perform chest tube thoracostomy utilizing non-ultrasoundable chest portals.

### Thoracentesis Model Lateral Portal Replacement (non-ultrasoundable)

£159.37 ex VAT  
Item# BPTT1004

Blue Phantom chest tube thoracostomy training model lateral replacement portal. Use with Blue Phantom thoracentesis and chest tube thoracostomy ultrasound training model P/N BPTT1000-1. Designed to allow users to learn to perform chest tube thoracostomy utilizing non-ultrasoundable chest portals.



### Thoracentesis Model Replacement Tissue

£1874.25 ex VAT  
Item# BPTT1002

Blue Phantom thoracentesis replacement ultrasound tissue insert. Designed for use with Blue Phantom thoracentesis and thoracostomy training model P/N BPTT1000-1. Allows users to develop and practice the skills necessary to gain proficiency in using ultrasound to identify and guide needle and catheter insertions in the patient with pleural effusions.

## Spinal Epidural & Lumbar Puncture Model Inserts



### Obese Spinal Epidural and Lumbar Puncture Replacement Tissue

£1274.25 ex VAT  
Item # BPLP2204

Blue Phantom obese lumbar epidural and lumbar puncture replacement tissue insert for use with our Spinal Epidural and Lumbar Puncture training models (P/N BPLP2101). The accessory obese replacement module is excellent in its realism, quality and durability offering users the ability to utilize ultrasound or blind insertion techniques while performing lumbar puncture or lumbar epidural procedures to access the epidural or subarachnoid space. The accessory obese spinal insert provides more adipose tissue disallowing the palpation of the spinal processes. This module is superb for needle access as well as the placement of catheters.

### Lumbar Puncture and Spinal Epidural Replacement Tissue

£1124.25 ex VAT  
Item # BPLP2201

Blue Phantom lumbar puncture and lumbar epidural replacement tissue is for use with our Spinal Epidural and Lumbar Puncture training models (P/N BPLP2101). The LP replacement tissue insert offers users the quality and durability they expect from Blue Phantom. Extremely realistic anatomy allows clinicians to access the epidural or subarachnoid space while utilizing blind insertion or ultrasound guided lumbar puncture and lumbar epidural procedural techniques. This ultrasoundable replacement part is excellent for needle access and catheter placement.

### Thoracic Epidural Ultrasound Replacement Tissue

£1124.25 ex VAT  
Item # BPLP2202

Blue Phantom thoracic epidural ultrasound replacement tissue. This ultrasoundable replacement tissue module is compatible with Blue Phantom Spinal Epidural and Lumbar Puncture training models with optional Thoracic Epidural configuration. This model offers superb quality and unmatched durability that users have come to expect from Blue Phantom. Utilizing Blue Phantom patented self healing tissue technology, this replacement tissue offers users optimal training at a low cost of ownership.

## Spinal Epidural & Lumbar Puncture Model Inserts (continued)



### Cervical Epidural Replacement Tissue

Blue Phantom's cervical epidural replacement tissue module offers users an extremely realistic and ultra-durable replacement tissue for training clinicians in the skills associated with performing anesthetic injections of the cervical and upper thoracic spine. Our cervical epidural training model offers users the ability to perform an entire spinal epidural anesthesia procedure including creating a sterile field, administering local anesthetics, and introducing needles and catheters into the epidural space. Cerebral spinal fluid is present in the model to provide the user immediate feedback to procedural complications. This exceptionally realistic training model is an excellent teaching tool for blind insertion techniques or ultrasound guided spinal epidural procedures of the upper thoracic spine and cervical spine.

**£1124.25 ex VAT**  
**Item # BPLP2203**

## Storage and Travel Cases – Soft

Constructed of ballistic nylon fabric, these light weight, durable, soft storage carrying cases are excellent for keeping your models looking new. Their thermoform padded interior secures your model in place, protecting it during light transport and storage.



### Spinal Lumbar and Midscapular Thoracentesis Models

£186.56 ex VAT  
Item# BPLP2105

### Thoracentesis Model

£186.56 ex VAT  
Item# BPTT1011

### Paracentesis Model

£186.56 ex VAT  
Item# BPPara1304

### NEW Upper Torso Models

£186.56 ex VAT  
Item# BPH662-A

### TAP Block, Upper Torso, Scrotal, Transvaginal, Femoral and Renal Biopsy Models

£167.81 ex VAT  
Item# BPHA602



### Arm Models

Our arm model soft case is excellent for storing and carrying your arm model. Specifically designed to protect your Blue Phantom arm ultrasound training model. Blue Phantom's arm soft storage case offers additional storage space for refill solution and other accessory items.

£158.44 ex VAT  
Item # BPA201

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## Storage and Travel Cases - Hard

Blue Phantom's extremely sturdy hard storage cases are designed specifically to protect your ultrasound training models. The hard storage case is excellent for both traveling and storing your training model. Its hard shell, ABS plastic exterior with metal reinforced edges offers excellent durability. Locking butterfly latches allow users to secure the contents for transport. The soft and flexible foam interior ensures that your model is secure and protected at all times.



### Transvaginal Model

This hard storage case also offers additional storage so you can safely transport accessory items.

Size: 22" x 22" x 12" (56cm x 56cm x 31cm) (L x W x H)

Weight: 16 lbs (7.2 kg) empty, 35 lbs (15.9 kg) with model enclosed

£655.31 ex VAT

Item# BPOB1230

### Transthoracic Echocardiography / Pericardiocentesis Model

For Use with Transthoracic Echocardiography / Pericardiocentesis Ultrasound Training Model (BP-TTE1701) The case includes a thermoform interior and caster wheels

£1217.81 ex VAT

Item# BPFASTCase-1704

### Leg Model

This hard storage case also offers additional storage space for simulated blood refill solution and other accessory items.

Size: 32" x 11" x 9" (81cm x 28cm x 23cm) (L x W x H)

Weight: 16 lbs (7.3 kg) empty, 32 lbs (14.5 kg) with model enclosed

£655.31 ex VAT

Item # BPL402

## Refill Solutions

Containing the acoustic properties that accurately match the properties found in blood serum, our refill solutions contain bacterial and fungal growth inhibitors so that the fluid can be placed into the model for extended use. Users may experience a reduction in the amount of fluid in the simulated blood vessels of our models after simulation training as users access the vessels with needles and catheters and/or small amounts of air introduced into the vessels with normal use. This replacement fluid must be utilized - rather than user formulated fluid - in order to maintain the product warranty.



### Simulated Blood Refill Solution - RED

Red simulated blood refill fluid is specifically designed as replacement fluid for Blue Phantom models containing arteries and all of our Select Series block models containing simulated blood vessels.

**£22.46 ex VAT**  
**Item# BRS180-RED**

### Simulated Blood Refill Solution - BLUE

Blue simulated blood refill fluid is specifically designed to supplement or replace the venous blood in Blue Phantom models containing arteries and veins.

**£22.46 ex VAT**  
**Item# BRS181-BLUE**

### Simulated blood refill solution - CLEAR

Clear replacement fluid is specifically designed to supplement or replace the fluid found in Blue Phantom paracentesis and amniocentesis ultrasound training model mannequins.

**£22.46 ex VAT**  
**Item# BRS182-CLEAR**

### Thoracentesis Pleural Replacement Fluid

Thoracentesis replacement fluid is specifically designed as replacement fluid for Blue Phantom's thoracentesis ultrasound training model.

**£22.46 ex VAT**  
**Item# BRS183-YELLOW**