

## BLOCKSIM™

Ultrasound-Guided  
Regional Anesthesia Simulator



### High Fidelity

Real clinical cases.



### User-Friendly Interface

Simple, fast and effective user  
interaction with the simulator.



### Echographic Monitoring

Real time visualization by  
a simulated ultrasound monitor.

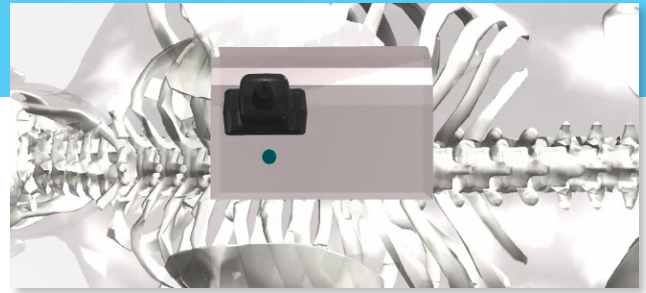
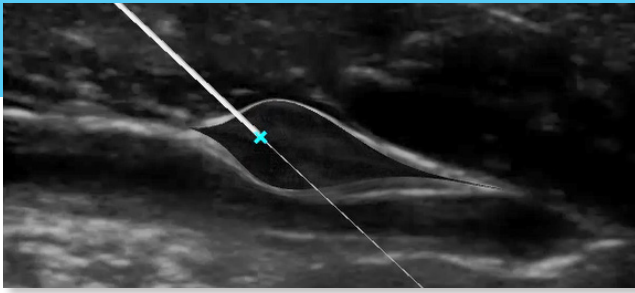
**BLOCKSIM™** is an innovative, high fidelity system for the simulation of ultrasound-guided interfascial plane blocks and peripheral nerve blocks for regional anesthesia.

**BLOCKSIM™** has been designed in order to meet the training needs in the field of ultrasound guided regional anesthesia allowing the visualization of the anatomy of the region of interest, giving information about the needle pathway to the target and testing the user ability to identify the structures. This simulator allows the visualization of the needle tip as it is passing through the tissues, the confirmation of the alignment with the desired path and a continual visualization of local anesthetic solution delivery to optimize local anesthetic distribution.

The simulator is equipped with very realistic ultra-durable tissue inserts, including traditional anatomical landmarks

and fascia layers that provide precise tactile feedback to the user while he is inserting the needle as well as the feel of the typical fascial “pops”.

The **BLOCKSIM™** is composed by a lightweight, compact and easy to store black box equipped with high fidelity sensors that allows the positioning of the desired tissue insert based on the requests of the clinical case selected. The main black box also connects with a simulated linear ultrasound probe and a real regional anaesthesia single shot needle that can be freely moved in different directions allowing the user to investigate the target and to choose the proper entry plane for the needle. Simulated injections of the local anaesthetic driven by a real syringe are also allowed as well as the visualization of local anaesthetic solution delivery to ensure its proper distribution around the target.



Thanks to the **BLOCKSIM™** software, the user can practice and develop competency using scenarios based on real clinical images. The available 3 modules for a total of 21 different clinical cases take into account the proper movements to reach the target, the avoidance of unintended structures, the time to finish the procedure and the disposition of the local anaesthetic injected.

At the end of the procedure, for each clinical case, a global score is provided to the learner based on his performance. **BLOCKSIM™** represents the new generation of regional anaesthesia simulators since it allows the use of real needles, the puncture of extremely realistic tissue inserts and the inflation of the anaesthetic fluid without generating needle tracks or damages.

#### The **BLOCKSIM™** includes:

- 1 BLOCKSIM™ sensorized main black box
- 1 Simulated Ultrasound Linear Probe
- 1 Sensorized Needle Holder
- 1 Real regional anaesthesia single shot needle
- 1 Syringe
- Tissue Inserts depending on the configuration (see below)
- Laptop PC with pre-installed BLOCKSIM™ software module/modules
- LCD 21,5" monitor
- IP67 certified and waterproof transport case for the BLOCKSIM™ devices and the Laptop PC
- User manual
- Installation support and remote training
- Lifetime free software updates and upgrades
- 1 year hardware warranty



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FOR FURTHER INFORMATION  
ABOUT THIS PRODUCT  
or contact us at:  
[info@accuratesolutions.com](mailto:info@accuratesolutions.com)



#### Depending on the chosen configuration, it also includes:

##### **BLOCKSIM™ FASCIA MODULE**

(9 clinical cases)

- 1 General Tissue Insert (PAD A) for TAP, QLB and lumbar blocks
- 1 Pectoralis Tissue Insert (PAD B) for parasternal, PECs I, PECs II, erector spinae plane (ESP) and serratus plane blocks
- 1 Spinal Tissue Insert (PAD C) for the paravertebral block

##### **BLOCKSIM™ NERVE MODULE**

(9 clinical cases)

- 1 General Tissue Insert (PAD A) for axillary, adductor canal, femoral nerve, sacral plexus, subgluteal sciatic and popliteal sciatic nerve blocks
- 1 Neck Tissue Insert (PAD D) infraclavicular, interscalene brachial plexus and supraclavicular blocks

##### **BLOCKSIM™ HIP MODULE**

(3 clinical cases)

- 1 General Tissue Insert (PAD A) for infrainguinal fascia iliaca, PENG and suprainguinal fascia iliaca blocks

*BLOCKSIM™ is a product from Accurate, a company blending international experience, scientific research, engineering and development of truly effective hi-tech educational solutions in the medical field. Patent pending.*

*Clinical use disclaimer: BLOCKSIM™ is licensed for use for educational purposes only. BLOCKSIM™ is not intended for clinical use. Accurate srl patent number 102019000023790*



**1 YEAR WARRANTY**

