

COMPUFLO®

EPIDURAL TRAINER EDUCATIONAL SUITE

Intelligence to Build Trainee Confidence and Speed Competency in Epidural Placement





A Leap Forward in Anesthesia Training

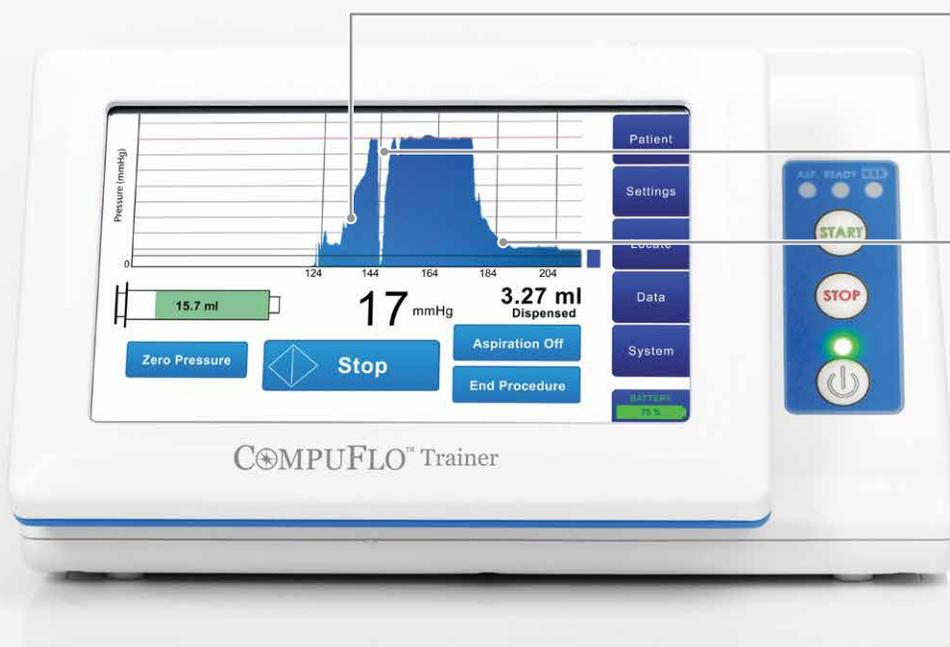
Reliance on subjective factors to identify entry to the epidural space makes insertion a difficult skill to master for trainees. On the average, 40- 60 attempts may be necessary to reach an adequate success rate.¹ The CompuFlo Epidural Trainer's real-time measurements help reduce the number of attempts.

Dynamic Pressure Sensing® technology detects tissue changes that are imperceptible by touch. This intelligence allows the trainee to objectively identify location and discriminate between true and false loss of resistance.

Connecting Technique & Intelligence

The CompuFlo Trainer links trainee tactile feel with visual and audible confirmation of pressure changes to verify the epidural space.

- Provides objective intelligence to shorten the learning curve
- Builds confidence by reducing the number of attempts
- Empowers instructors to empirically monitor needle movement
- Generates procedure documentation to enhance skill development



Pressure increases as needle advances

False loss of resistance (LOR) as pressure drops then quickly increases

True LOR: pressure drops then plateaus or decreases

How CompuFlo Trainer Works

1 ACCESS

Connect Trainer to epidural needle or traditional loss-of-resistance syringe. Advance the needle.

2 CONFIRM

Observe data on display and listen to audible feedback. Stop advancing after rapid drop in pressure and tone.

3 VERIFY

Look for stable pressure plateau that lasts more than 5 seconds to verify space is reached. Pressure should also decline when Trainer is stopped.

4 REVIEW

Monitor and report skill development with individual CSV files and Procedure Log records of training data.

A SUITE OF LEARNING TOOLS

Pairing didactic learning materials and advanced simulators with CompuFlo's objective verification is a game changer for anesthesia training.

- **TRAINER & DISPOSABLES**

Digital console with touch-screen monitor and internal pressure transducer. Non-sterile disposable kit designed for 100 procedures.

- **SKILL LAB**

24/7 online access to instrument instruction, clinical literature and resources. Trainees can self-study in advance of Trainer use or refresh at any time.

- **PROCEDURE LOG** Subscription to a mobile tool to capture results of epidural procedures. Ideal for student groups to review performance and monitor skill development.

COMPUFLO®

Improves Success for Trainees

In a simulator model of the epidural space, researchers from the University of Texas Medical School at Houston found CompuFlo significantly improves the inexperienced operator success rate when compared to traditional loss of resistance. All reported CompuFlo easier to use.²



1. Kopacz DJ, Neal JM, Pollock JE. The regional anesthesia 'learning curve'. What is the minimum number of epidural and spinal blocks to reach consistency? *Regional Anesthesia* 1996; 21: 182-90; Drake EJ, Coghill J, Sneyd JR. Defining competence in obstetric epidural anaesthesia for inexperienced trainees. *BJA* 2015; 114: 951-57.

2. O. Ghelber, R. Gebhard, J. Katz, M. Rabb, C. Hagberg. The CompuFlo® helps inexperienced operators identify the epidural space in a simulator model. *European Journal of Anaesthesiology (EJA)*: June 2006 - Volume 23 - Issue - p 242.

Contact

Address

Milestone Scientific
220 South Orange Ave
Livingston, NJ 07039

Phone

Phone: +1 973-53-2717

Web & Mail

Email: demo@milestonescientific.com
Web: www.milestonescientific.com

MILESTONE
SCIENTIFIC®