The measure of life.

Uscom

A unique non-invasive, beat to beat,
real time cardiac output monitor.

Transform the way you **think and practice.**

Painting a clear picture - **instantly.**

Uscom's unique non-invasive method of cardiac monitoring is a completely safe, painless and efficient way of measuring how well the heart is functioning. Uscom monitors allow doctors to quickly and accurately assess a patient's condition and categorize the problem as either a cardiac or vascular abnormality.

The USCOM monitor uses state-of-the art electronics, ultrasonics and signal processing to deliver a cutting edge solution to the challenge of accurately measuring cardiac flow.

Now with

Inotropy Index

Cardiac systolic function and One Step fluid responsiveness!

- Real time
- SVR capability
- Beat-to-beat
- One touch measurement recording
- Automatic FlowTracer with Manual override
- Visual record of measures
- Advanced Trending
- Grouping and Trending
- Fast patient assessment and treatment

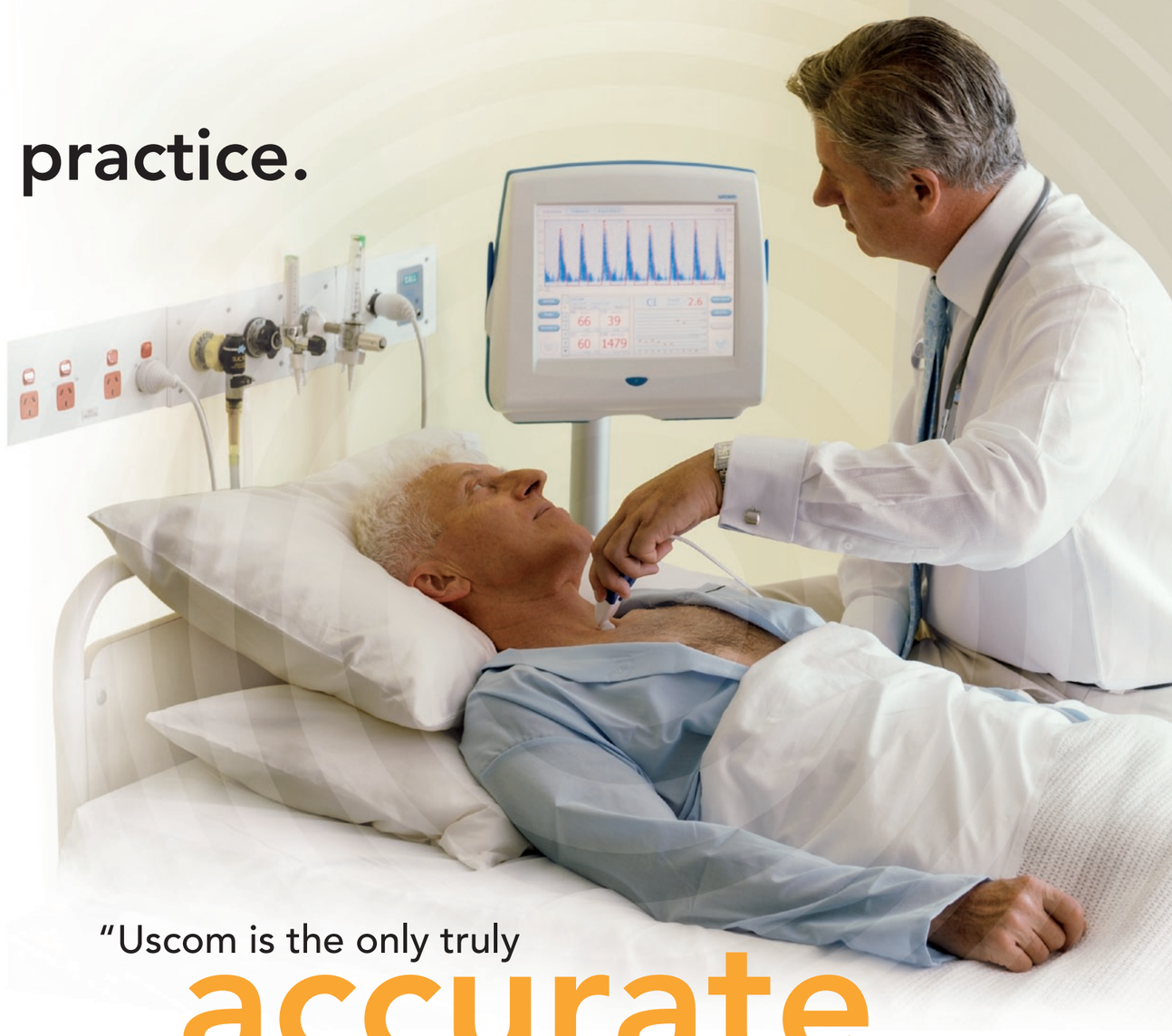
Reduce risk. Minimize cost. Improve care.

A second could be the difference between life and death in an emergency situation.

It can also mean avoidable contraindicated therapies, which can not only put the patient under extreme trauma and increased risk, but exposes the hospital to unnecessary expense.

The Uscom monitor is safe.

Unlike invasive methods, with the Uscom monitor there is no exposure to blood, and no associated risks of infection or complications. The examination may be performed as often as desired, with no risk to the patient. No sedation is required, making it suitable for all patients, saving on drug use and inherent complications.



"Uscom is the only truly

accurate,

non-invasive system"

PETER R. LICHTENTHAL, M.D.
Professor and Director of Cardiovascular Anesthesia, University of Arizona College of Medicine

Features

- Compact and easily transportable
- Battery powered with two-hour battery operation
- No costly disposables, such as leads, electrodes or catheters
- Intuitive touch screen user interface
- With a large hard drive, the USCOM monitor can store thousands of patient files
- Provides accurate and rapid information for both left and right heart for the optimization of preload, cardiac function and afterload

Beat-to-beat data displayed for all parameters including:	
CO (l/min)	Cardiac Output
CI (l/min/m^2)	Cardiac Index
SV (cm^3)	Stroke Volume
SVI (ml/m^2)	Stroke Volume Index
HR (bpm)	Heart Rate
SVR (d.s.cm^{-5})	Systemic Vascular Resistance
Vpk (m/s)	Peak Velocity
INO/SMII	Inotropy Index

Technical specifications

Model	USCOM 1A
Display	12.1" TFT LCD (800x600)
Interface	Resistive Touchscreen
CPU	AMD Geode
Operating System	Windows Embedded CE
Storage	More than 500,000 exams
Transducer Frequency	2.2MHz
Transducer Size	12mm diameter
Beam Trace	FlowTracer fully automated
Battery	Removable smart battery with 2 hour life
Power Supply	Universal voltage with medical isolation
Dimensions	Height 310mm / Width 350mm / Depth 180mm
Weight	5kg / 11 pounds
Construction	Molded plastic with metal chassis
GUI	Web based protocols
Communications Ports	USB, Ethernet
User Interface	Multi Language

"This machine is **saving** lives"

Associate Professor BRENDAN SMITH
Charles Sturt University, School of Biomedical Sciences, Bathurst Base Hospital

Uscom

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