

LiDCO Group Plc

2010 Interim Results
Presentation

26th October 2010



"Our strategy for growth remains clearly focused on three key areas: products, market access and evidence and awareness"

Theresa Wallis Chairman's Statement 2009/10



L i D C O M

Overview

- Med-tech company quoted on AIM
- Minimally invasive hemodynamic monitoring products
- Standard of care moving from invasive catheters to less invasive technologies
- US\$1.2bn market potential in surgery and intensive care
- 2008 launch of LiDCOrapid opened up the US\$800m surgery opportunity
- Increasing body of evidence showing improving outcomes
- Important for widespread technology adoption are:
 - ease of use, accuracy and broadest applicability
 - potential for parameter convergence & connectivity



L i D C O ^M

Financial highlights

- Total revenue increased by 7% to £2.66m (2009: £2.49m)
- Revenues ex USA in Europe, UK and ROW increase by 33% to £1.78m
- Gross profit up 19% to £1.80m; gross margin 68% (2009: 61%)
- Average product margins at 79% improved slightly (2009: 78%)
- Significantly reduced operating loss to £0.58m (2009: £1.19m)
- Lowest ever six months cash outflow before financing at £113,000 (2009: £743,000 outflow)
- Cash balance of £1.73m
- Loss per share 0.35p (2009: 0.74p)



L i D C O ™

Operational highlights

- The installed monitor base increased by 8% in the period to 2,250 units
- 175 monitors sold or placed during the period (2009: 280 included a large stocking order)
- Studies published supporting reduced mortality in shock patients and reduced length of stay and complications in surgery patients
- LiDCO's US partner Covidien now has stronger sales team, surgery franchise and combination technology offering
- LiDCO monitors now have connectivity to both Philips and GE's Centricity Clinical Information Systems*
- LiDCOrapid v1.03 and blood pressure module launched in September *



Products & Market



L i D C O ™ Hemodynamic monitoring products

LiDCOplus version 4.0 software

- ICU market focus highly evolved product & software
- Calibration, oxygen delivery targeting for goal-directed therapy
- LiDCO business case (GDT) saving £4,800 per patient

LiDCOrapid

- Anesthesia product for high risk surgery
- Uses validated PulseCO software algorithm
- Launched April 2008 software now updated to v.1.03
- High volume expands territories & distribution
- Combined LiDCOrapid / BIS display project started

Connectivity to hospital information systems

- Via VueLink to Philips
- GE via LiDCO specific drivers
- Somanetics Vital Sync driver in progress



L i D C O ™

LiDCOrapid for surgery

Addresses \$800m disposable market opportunity

'A machine for the future'



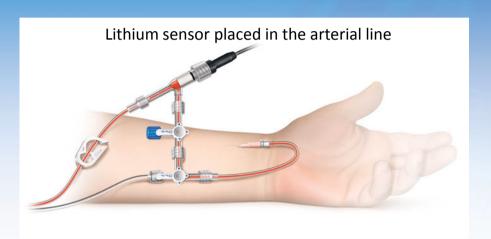
"Conclusions: A large high-risk surgical population accounts for 12.5% of all surgical procedures but more than 80% of deaths. Despite high mortality rates, fewer than 15% of these patients are admitted to the ICU."

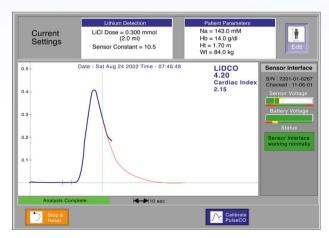
Dr Scot Brudney, Duke University, USA



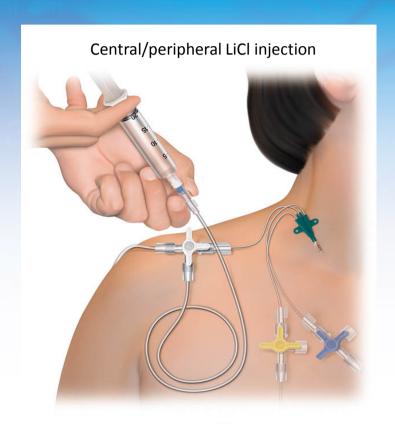
LiDCOplus for ICU

Addresses \$400m disposable market opportunity





Lithium dilution curve on LiDCO*plus* monitor screen





Income statement

CONDENSED CONSOLIDATED COMPREHENSIVE INCOME STATEMENT For the six months ended 31 July 2010

		Six Months	Six Months	Year
		ended	ended	ended
		31 July 2010	31 July 2009	31 January 2010
	Note	£'000	£'000	£'000
Revenue	3	2,662	2,494	5,367
Cost of sales		(864)	(983)	(2,074)
Gross profit		1,798	1,511	3,293
Administrative expenses		(2,379)	(2,703)	(4,832)
Loss from operations		(581)	(1,192)	(1,539)
Finance income		4	1	5
Finance expense		-	(8)	(11)
Loss before tax		(577)	(1,199)	(1,545)
Income Tax		(5)	56	118
Loss for the period and total comprehensive income attributable to equity holders of the parent		(582)	(1,143)	(1,427)
Loss per share (basic and diluted) (p)		(0.35p)	(0.74p)	(0.87p)



Summary cash flow

CONDENSED CONSOLIDATED CASH FLOW STATEMENT For the six months ended 31 July 2010

	Six Months	Six Months	Year
	ended	ended	ended
	31 July	31 July	31 January
	2010	2009	2010
	£'000	£'000	£'000
Loss before tax	(577)	(1,199)	(1,545)
Net finance (income) / costs	(4)	(7)	(6)
Depreciation and amortisation charges	308	327	672
Share based payments	74	42	46
Decrease/(increase) in inventories	43	(56)	(41)
Decrease/(increase) in receivables	366	(100)	37
Increase/(decrease) in payables	126	(342)	(302)
(Decrease)/increase in deferred income	(273)	825	577
Finance expense	-	(8)	(11)
Income tax credit received	115	56	118
Net cash inflow/(outflow) from operating	178	(448)	(443)
activities			
Cash flows from investing activities			
Purchase of property, plant & equipment	(70)	(74)	(132)
Purchase of intangible fixed assets	(225)	(222)	(474)
Interest received	4	1	5
Net cash used in investing activities	(291)	(295)	(601)
Net cash outflow before financing	(113)	(743)	(1,044)
Cash flows from financing activities			
Repayment of finance lease	(5)	(5)	(10)
Issue of ordinary share capital	-	3,022	3,021
Invoice discounting financing facility	-	(278)	(364)
Net cash generated from financing activities	(5)	2,739	2,647
Net (decrease)/increase in cash and cash	(118)	1,996	1,603
equivalents	(1.0)	,,000	1,000
Opening cash and cash equivalents	1,846	243	243
Closing cash and cash equivalents	1,728	2,239	1,846
orosing sach and sach equivalents	1,120	2,200	1,040



Balance sheet

CONDENSED CONSOLIDATED BALANCE SHEET At 31 July 2010

	31 July	31 July	31 January
	2010 £'000	2009 £'000	2010 £'000
Non-acceptance and a contra	2 000	7,000	2 000
Non-current assets Property, plant and equipment	555	636	587
Intangible assets	783	750	764
intangible assets	1,338	1,386	1,351
	1,000	1,000	1,001
Current assets			
Inventory	1,051	1,109	1,094
Trade and other receivables	1,282	1,786	1,649
Current tax	-	120	120
Cash and cash equivalents	1,728	2,540	1,846
oden and oden equivalente	4,061	5,555	4,709
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Current liabilities			
Trade and other payables	(738)	(573)	(603)
Deferred income	(341)	(400)	(614)
Borrowings	- (4.070)	(387)	(10)
	(1,079)	(1,360)	(1,227)
Net current assets	2,982	4,195	3,482
Total assets less current liabilities	4,320	5,581	4,833
			.,
Equity attributable to equity holders of the parent			
Share Capital	869	869	869
Share premium	25,393	25,393	25,393
Merger reserve	8,513	8,513	8,513
Retained earnings	(30,464)	(29,675)	(29,956)
Total equity	4,311	5,100	4,819
Non-current liabilities			
Finance lease liability	9	19	14
Deferred income	-	462	
Total non-current liabilities	9	481	14
Total equity and non-current liabilities	4,320	5,581	4,833
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LiDCO [™]

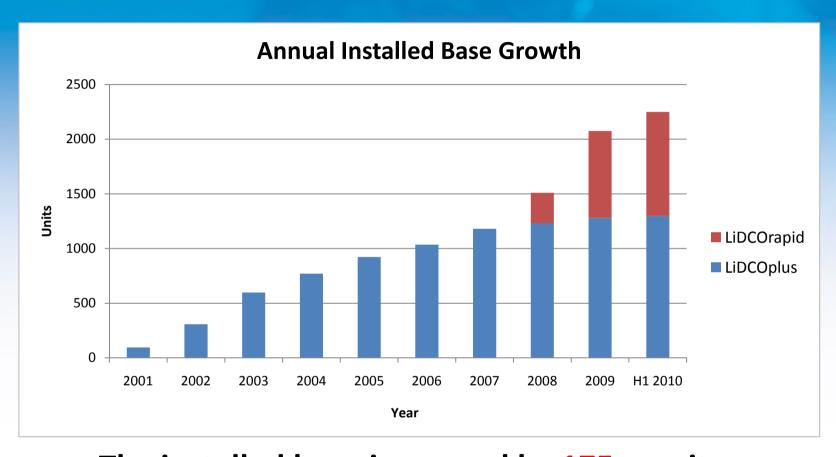
Summary of sales table

Business Review - Summary Table

	6 months	6 months to	Increase/	Increase/
	to 31 July	31 July	(decrease)	(decrease)
	2010	2009		%
Sales by type (£'000)				
- Monitors	696	745	(49)	(7%)
- Sensors, Smartcards and	1,632	1,627	5	0%
other recurring revenue				
- Licence Fees and Other	334	122	212	174%
Income				
Total	2,662	2,494	168	7%
Sales by Units				
Monitors sold/placed	175	280	(105)	(38%)
Sensor, Smartcard and Fee				
per Use Sales	20,669	21,083	(414)	(2)%
Installed Base (period end)	2,250	1,790		



Growth of installed base



The installed base increased by 175 monitors

LiDCOrapid is 42% of the installed base



Market drivers & adoption

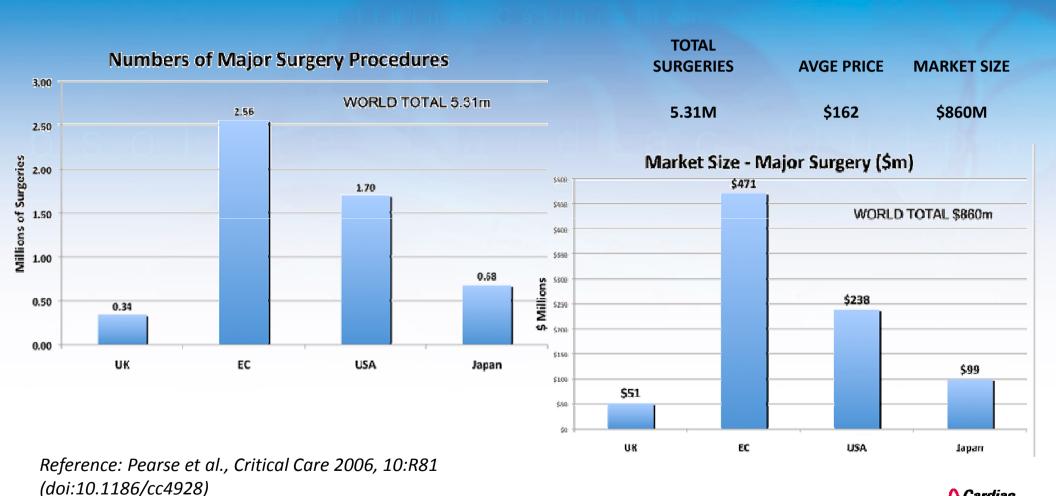
- Reducing surgical complications (invasive catheters, infections and organ failure)
 - in the USA there are an estimated ¹ 290,000 surgical site infections costing \$10bn / annum
- Use of LiDCO's technology on high-risk surgery patients can:
 - reduce complications (particularly infections) by more than one third
 - reduce hospital stay per patient by an average of 12 days & costs by £4,800 per patient
- Emerging evidence-based purchasing pressure to reduce costs and improve efficiency
 - QIPP Quality Innovation Productivity and Prevention changing practice
 - ERAS enhanced recovery after surgery



L i D C O TM

Major surgery market

Cardiac Sensor Systems

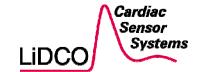


Slide 16

UK ICS market survey

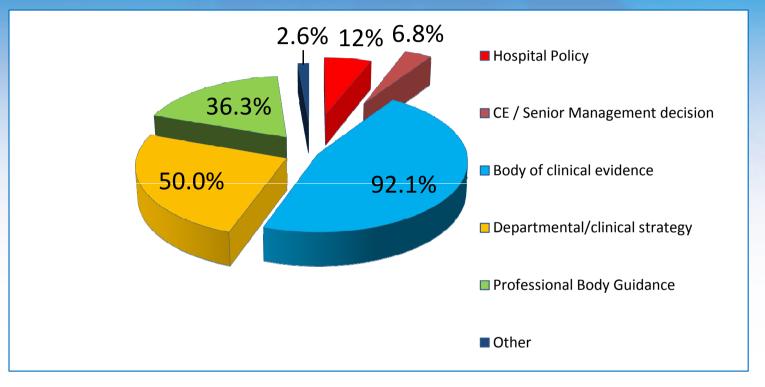


- The majority of clinicians in the society are anesthetists
- LiDCO is a Gold member of the Intensive Care Society. As such we are allowed to survey its members for opinions on technology and changes in practice
- We asked them:
- What impact has the clinical evidence and discussions surrounding Enhanced Recovery after Surgery (ERAS) had on opinion and motivation to change?
- What are the requirements for a technology to be best suited for changes in practices?



Results of the survey

What factors influence your decision to implement fluid optimisation/enhanced recovery? (190 respondents from 198 participants)



Top 3 Factors that influence medical practice

- 1.Body of clinical evidence
- 2.Department / clinical strategy
- 3. Professional body guidance

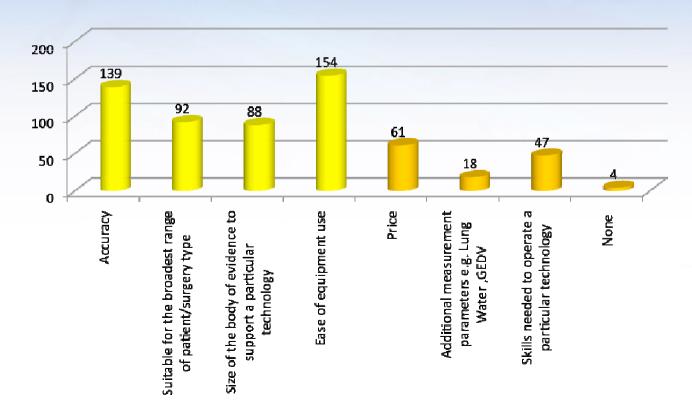


Results of the survey

What are the most important aspects determining selection / use of cardiac output? (197 responses from 198 Returns)

Top requirements for a cardiac output monitor

- 1.Ease of Use 78%
- 2.Accuracy 71%
- 3. Suitable for broadest application of use 46%
- 4. Size of body of evidence 45%

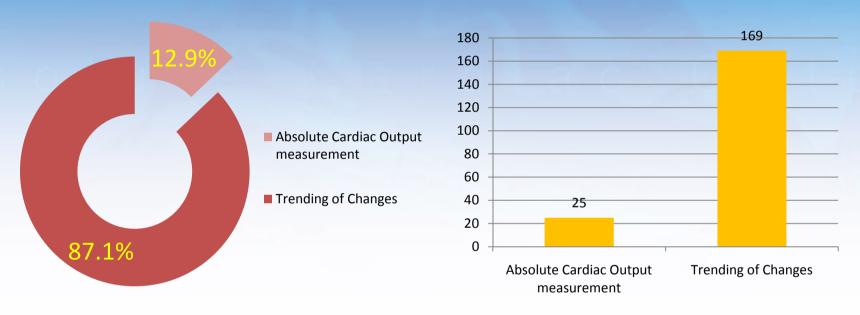




Results of the survey

What is most Important to you: Absolute Cardiac Output measurement or Trending of Changes?

(194 of 198 respondents answered the question)



The ability to **trend data** was voted a more important feature than an absolute measurement of cardiac output



Summary of the UK survey

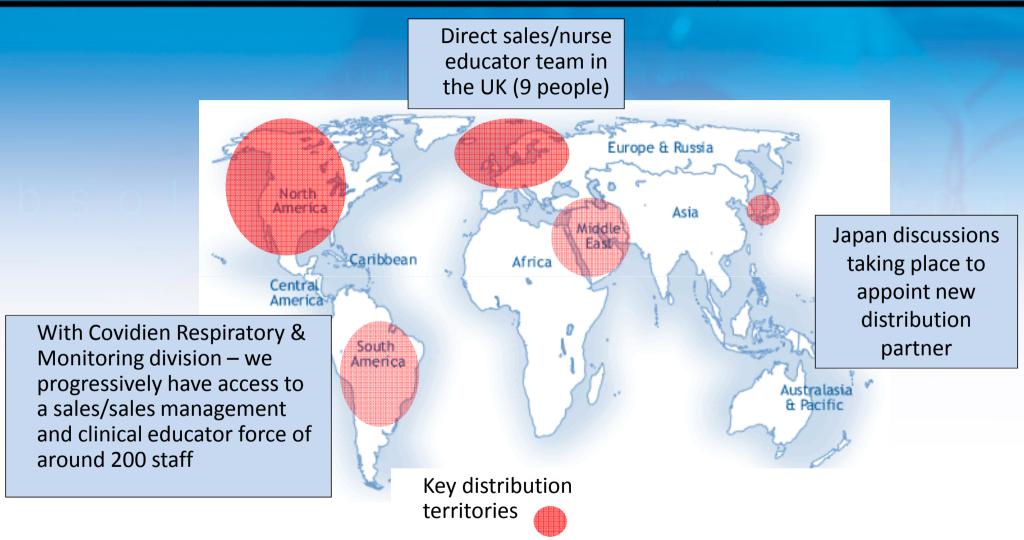
- ERAS is concept that is broadly understood and largely being adopted due to the overwhelming body of evidence that has and continues to be accumulated from use of a variety of cardiac output measuring technologies
- However in terms of the technology chosen the 2 most important features are:
 - Ease of use (78%)
 - Accuracy of the cardiac output trending (71%)
- These are design characteristics of the LiDCO monitor
- Our sales are growing by 34% in the UK the majority of growth coming from LiDCO*rapid* use in high risk surgery



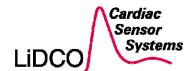
Market access: a major challenge for all companies involved



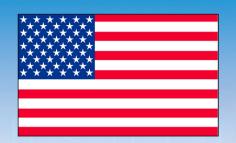
Distribution network



Increased interest from monitoring companies, regarding data communications and possible licensing of the software



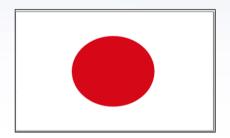
Major markets



Covidien (www.covidien.com)

A leading global healthcare products company with 2009 revenues of \$10.7 billion, 42,000 employees and sells in over 140 countries

- has **the biggest** hemodynamic monitoring medical product sales team in the US with reach into both the intensive care and surgery markets
- Currently sells into over 80% of operating rooms in major US hospitals
- Has complementary monitoring products now own BIS & INVOS
- LiDCO developing "combined" monitor and connecting to Somanetics Vital Sync



Japan

BD (LiDCO distributor) sold its critical care business to Argon, a RoundTable Healthcare Company (www.roundtablehp.com), in October 2010

- In discussions with Argon and others to take over distribution licensing rights
- Japan is the second biggest country market for our products
- Registration file is complete
- Pressure waveform based monitoring is reimbursed in Japan @ \$420 per patient
- Current market is circa \$38m per annum for pressure waveform based cardiac output

Lidco™ Research and development

- LiDCO's R&D efforts are focused on increasing customers' access to our minimally invasive hemodynamic monitoring – to broaden the number of applications
- And, to facilitate parameter convergence at the bedside and to provide data to hospital information systems

Main Projects

- Version 1.03 LiDCOrapid launched Q3, 2010
 - Universal pressure waveform module
 - Language localisation
 - RS 232 data configuration
 - Connection to Somanetics Vital Sync in progress
- Version 2.0 LiDCO Monitor next generation
 - BiSpectral Index (BIS) display
 - Improved peri operative functionality and user interfaces



Vital Sync



L i D C O TM

Parameters converging

Convergence required



Monitoring setup

LiDCOrapid

Aspect BIS

Somanetics Cerebral Oximeter





Somanetics

Strong cardiac presence

Covidien (NYSE: COV), a leading global provider of healthcare products, announced on July 28th 2010 that it had completed the acquisition of Somanetics Corporation for an aggregate consideration of approximately \$250 million

Somanetics sells the INVOS Cerebral/Somatic Oximeter which can detect poor brain oxygenation

The INVOS® System is routinely used and trusted in over 1,200 installs internationally, 700+ U.S. hospitals, 51% of the approximately 1,000 hospitals performing adult cardiac procedures in the United States and 80% of hospitals performing pediatric cardiac surgery

The INVOS System makes a meaningful, positive impact on patient outcome: studies have shown that the INVOS System can help to reduce:

- Major organ morbidity or mortality
- Stroke
- Post-op cognitive decline
- Respiratory failure/prolonged vent time
- Adverse surgical events & Coma





Parameters converging

BIS & LiDCO as an example:

Haemodynamic changes during Anaesthetic Induction and its correlation with BIS



B Purushethansan/, David Green/, Terry O' Erien/ 1" Research Fellow King's College Hospital: 2" Consultant Assesthetist King's College Hospital: 2" CEO LIDCO Pic.

Aim

Fall in mean arterial pressure (MAP) during anaesthetic induction is common and may result in profound hypotension, especially in high risk/elderly patients. Fall in MAP could be due to a reduction in cardiac output, (COI) reduction in systemic vascular resistance (SVRI) or a combination. Previous studies used a PA catheter and haemodynamic measurements were made intermittently. With the advent of minimally invasive monitors like the LIDCOrapid (LIDCO Pic, UK) harmodynamic measurements can be made continuously. The purpose of this study was to assess the mechanism of the has modynamic changes during answithetic induction in high risk, elderly peripheral vascular surgery patients. The correlation of these has modynamic changes with depth of answithesis using BIS (Covidien Formerly Aspect Medical). USA) and preload responsiveness were also explored. Appropriate management of hypotension can then be made based on these findings.



Figure 1 Librobased Monter

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* (MA Supreme (Interior: Sirect, UR) was send in all patients

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includior became to immediately paid induction for up to 30

Methodology

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Main and Misto reades respectively

BIT investigation of the late to account 4.5

following co-streamer-d-15mg/kg.



Results 1: Haemodynamics

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- . Do average the CO-fall SSNL is 16% SSI contributed SSNL to the
- Avecessetative patient inductor profers allown in Figure 3.

Results 2: Fluid Responsiveness

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Telling metalehalt a dem midden

Figure 6 induction changes in SK CO, SVR and SIS

Correlation with BIS

- . The average tall in BEE man GET, and THE draw \$1.2 to \$8.6. . For each patient there was a oner treat englanding-theraping
- correlation coefficient between the exponeing hammolynamic parameterist and BIS absolute and '11 change . For example in a representative patient Figure 4, the correction
- tomase DS and St assive It disc \$2.5 Dpv 6.8.
- per 1 and absorpe in BIS many

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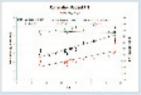


Figure 4 Commission of SVICO change with ISIS

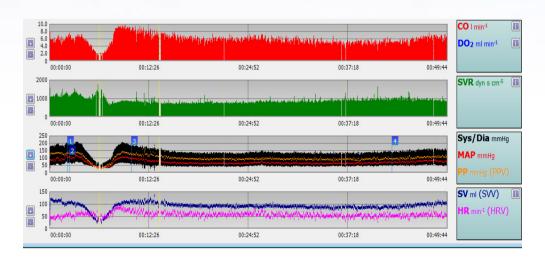
Conclusions

- CO, mostly due to a fame this and not by a fall in 1999.
- . Pal in SS sandon due to entured contractility pretoud . Stock TVT-changes are intrinsic. The choose of vacquessor
- should be assessed excludy
- Les un insperceptate intercention . The falls seen in DD and TV are stanfornity greater in the
- * Changes in depth of procedurals, as measured by GIS, combate
- self with charges in harmonly-series in individual patients.
- 4 Simultaneous sea of LBOO and BIS allows retional management of Raemodynamic Charges Suring Induction



Blood flow fall across induction and its correction using LiDCO*rapid*







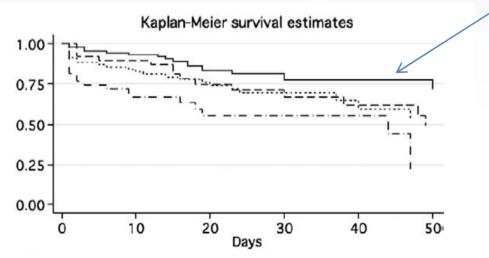
Evidence & awareness

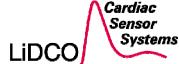
Accumulating body of evidence

Reduced mortality with noninvasive hemodynamic monitoring of shock

J. Steven Hata MD, FCCP, MSc^a,*, Corey Stotts MD^b, Constance Shelsky RN, BSN, CCRN^c, Emine O. Bayman PhD^d, Anita Frazier^e, Jenny Wang PhD^f, Ellen J. Nickel PharmD^g

LiDCO*plus* monitored shock patients





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Evidence & awareness

The PulseCO algorithm inside the LiDCO*plus* and LiDCO*rapid* has remained unchanged since launch in 2001 and its performance validated in the following patient populations:

- General surgery (Heller et al., 2002)
- General intensive care (Smith et al., 2005)
- Post-operative care (Pittman et al., 2005; Hamilton, 2002)
- Hyperdynamic liver transplantation (Costa et al., 2007)
- Off-pump cardiac surgery (Missant and Wouters, 2007)
- On-pump cardiac surgery (Wilde et al., 2007, Marquez et al., 2008)
- Heart failure (Kemps et al., 2009)
- Obstetrics (Dyer et al., 2008, Langesaeter et al., 2009)

Note: in addition to the above a number separate studies have been conducted to demonstrate improved outcomes



Broad applicability

Over the last year clinicians have demonstrated use in the fields of:

- organ transplantation
- major and bariatric surgery
- obstetrics
- intensive care
- cardiology

Optimisation of intraoperative haemodynamics: early experience of its use in major head and neck surgery

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- ^b Bradford Teaching Hospitals NHS Foundation Trust, Bradford Royal Infirmary, Duckworth Lane, Bradford, West Yorkshire BD9 6RJ, United Kingdom
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CLINICAL RESEARCH

Stroke Volume Variation as a Guide to Fluid Administration in Morbidly Obese Patients Undergoing Laparoscopic Bariatric Surgery

Anil Kumar Jain · Amitabh Dutta

Hemodynamic Effects of Ephedrine, Phenylephrine, and the Coadministration of Phenylephrine with Oxytocin during Spinal Anesthesia for Elective Cesarean Delivery

Robert A. Dyer, F.C.A.(S.A.),* Anthony R. Reed, F.R.C.A.,† Dominique van Dyk, F.C.A.(S.A.),‡ Michelle J. Arcache, F.C.A.(S.A.),‡ Owen Hodges, F.C.A.(S.A.),‡ Carl J. Lombard, Ph.D.,§ Jaime Greenwood, F.R.C.A.,|| Michael F. James, Ph.D.#



Lidco™ St George's/RCN workshops



Royal College of Anaesthetists have accredited the St George's course for 5 CME (continuing medical education) points

LiDCO has accreditation from the Royal College of Nursing ("RCN") for its LiDCO*plus* monitor competency based study day.



L i D C O TM

Summary & Outlook

- Strategy for growth remains focused on three key areas: products, market access, and evidence & awareness
- Lowest ever cash usage with a profit made 2nd Q. 2010
- Second half expected to be stronger still and for 2nd half profits (finnCap forecasts)
- Covidien getting into it's stride evaluations ramping up
- Outlook for sales growth remains positive excluding parts of Europe
- Distributor network positions the Company to take advantage of global opportunities in the two major markets Japan & USA
- R&D focus to broaden usage, portability of data and converge parameters
- Japan expected to produce sales in 2011

