University of the Philippines Manila
The Health Sciences Center
SPECIAL BIDS & AWARDS COMMITTEE 2
BAC Office, PGH Compound
Taft Avenue, Manila
Tel. Nos.: 554-8400 loc. 3014 to 3016
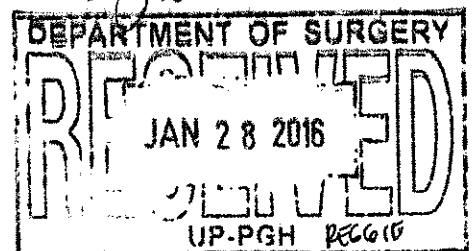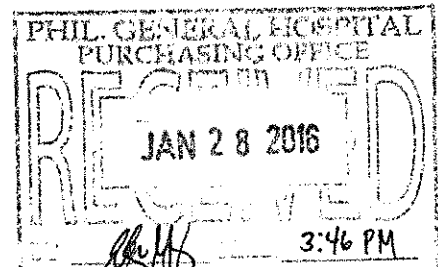
P G H
PHILIPPINE GENERAL HOSPITAL
1907

NOTICE OF AWARD

19 January 2016

PACIFICSURGICAL, INC.
(formerly Pacificspine, Inc.)
9/F Dominion Building
No. 833 Arnaiz Avenue, Makati City
Tel. No. 813-1392

Attention: **Mr. WILLIAM STEEDMAN**
President

Dear Sir:

We are happy to notify you that your bid dated **7 December 2015** but awarded on **14 January 2016** for the **SUPPLY, DELIVERY, TESTING & COMMISSIONING OF ENDOSCOPY VIRTUAL REALITY SURGICAL SIMULATOR SYSTEM** under Bid No. **PUR15-11-1977** for the Contract Price amounting to **THIRTEEN MILLION SEVEN HUNDRED THOUSAND PESOS & 00/100 (PHP13,700,000.00) ONLY** as corrected and modified in accordance with Instructions to Bidders is hereby accepted.

You are hereby to provide within **TEN (10) DAYS** the performance security in the form of: (a) Cash, Certified Check, Cashier's Check, Manager's Check, Bank Draft or Irrevocable Letter of Credit confirmed by a reputable local bank at 5% of the total amount of award which amounts to **SIX HUNDRED EIGHTY FIVE THOUSAND PESOS & 00/100 (PHP685,000.00) ONLY**; or (b) 30% of the total amount of award in the form of Security Bond callable upon demand issued by any reputable surety or insurance company in the amount of **FOUR MILLION ONE HUNDRED TEN THOUSAND PESOS & 00/100 (PHP4,110,000.00) ONLY** to be submitted to the BAC Office. **Failure to provide the performance security shall constitute sufficient ground for the cancellation of the award and forfeiture of the bid security.**

DEPARTMENT OF SURGERY

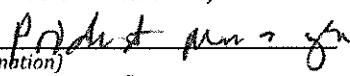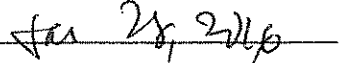| Item No.	Qty.	Unit	Item Description	Unit Cost (PhP)	Total Cost (PhP)
1	2	lot	**ENDOSCOPY VIRTUAL REALITY SURGICAL SIMULATOR SYSTEM** Brand / Model: **SIMBIONIX GI-BRONCH MENTOR** Country of Origin: **U.S.A./Israel/Spain** Brand new, not reconditioned including its parts & accessories Note: Please refer to the attached document for the complete specifications	6,850,000.00	13,700,000.00
			TOTAL AMOUNT OF AWARD		**13,700,000.00**

TERMS AND CONDITIONS:

1. Delivery should be done within one hundred twenty (120) calendar days commencing on the 3rd working day of notification through confirmed fax that the approved Purchase Order / Contract is already available for pick-up.

2. The system must be delivered ready to use. Cable, connectors, adapters and accessories not specified but are essential for the unit to function must be provided free.

3. Warranty: Two (2) years on parts and service.

4. Warranty period shall commence from the date of acceptance by the end-user after installation, testing and commissioning.

5. Must provide service technician within 24 hours. If the unit is not repaired within sixty (60) calendar days, a brand new replacement unit must be supplied.

6. Provide free regular quarterly preventive maintenance during the warranty period.

7. Technical Specialist: Must include on-site technical training for the doctors and at least one (1) staff from the Office of the Engineering and Technical Services (OETS).

8. Operations training for end-user and troubleshooting training for Biomedical Engineer/s.

9. All components must be of the same brand from the same manufacturer unless otherwise specified as Third Party.

10. Free software update at no cost to the end-user for the life of the machine.

11. Provide Operator's & Service's Manual (in English language) upon delivery.

12. Compliance with Republic Act No. 9184 and other applicable laws.

Very truly yours,

GERARDO D. LEGASPI, MD, FAFN JAN 2 5 2016
Director, Philippine General Hospital

CONFORME:

_____
(Signature over Printed Name)

_____
(Designation)

_____
(Date)

The GI Mentor™ offers the most comprehensive hands-on training for GI skills and gastrointestinal diagnostic and therapeutic procedures with over 120 tasks and virtual patient cases.

GI Mentor Modules

GI Endoscopy - Fundamental Skills
Designed to guide trainees through acquiring basic endoscopic skills: navigation, mucosal evaluation, targeting, retroflexion, and loop reduction.

Tasks in a non-anatomical environment for acquisition of essential capabilities.

Upper GI Endoscopy
Complete survey of the upper GI tract, identifying, sampling or otherwise treating the findings.

Lower GI Endoscopy
Complete survey of the lower GI tract in diverse anatomies, where findings can be sampled or otherwise treated.

ERCP
Complete ERCP procedures using the endoscopic and fluoroscopic views to cannulate the papilla, sphincterotomy and diagnosis or treatment of CBD or PD findings.

Emergency Bleeding
Gastric Bleeding cases to practice the management of bleeding situations, with various methods and tools in a controlled environment.

Flexible Sigmoidoscopy
Practice the retroflexion maneuver in varied anatomies, identifying diverse pathologies and recommending further treatment.

Endoscopic Ultrasonography (EUS)
Educational environment to practice and gain experience in linear and radial EUS, focusing o scope maneuvering to demonstrate anatomical landmarks.

Simulator Platforms

1 GI Mentor
The unique training system combines designated hardware and software to create a life-like sensation of real endoscopic procedures using authentic scopes and an adjustable 24" touch screen.

Upper and lower GI anatomies are conveniently interchanged, offering realistic simulation of a wide variety of gastrointestinal diagnostic and therapeutic procedures.

GI Mentor Express
An elegant portable training platform that offers true-to-life simulation training using an actual endoscope with realistic haptic sensation.

** The GI Mentor platforms are compatible with the FES testing module, as performed by SAGES and required by the ABS for all general surgery residency graduated begining in 2018.

Features and Benefits

- The most comprehensive hands-on curriculum available.
- Multiple educational aids such as 3D maps and a pain indicator provide feedback as to scope location, state of the GI tract, problematic occurrences and patient discomfort during the procedure.
- The most realistic VR simulation available.
- The only hands-on simulator offering EUS training.
- Validated in over Forty studies during the last ten years.
- A user friendly and mobile platform, incorporating Flexible Bronchoscopy modules.
- Compatible for trainees with various clinical needs – from basic procedures to the most advanced.
- Demonstrated a sustained skill transference effect superior to other training methods.

MentorLearn Simulator Curricula Management System
The Simbionix multidisciplinary simulators effortlessly integrate into your program curriculum.

- Customizable curriculum incorporating training and didactics.
- Easy and efficient administration of simulator users.
- Online learning courses and video-based content.
- Proficiency based hands-on training.
- Performance reports with learning curve graphs.

Simbionix™ To Advance Clinical Performance

Simbionix™

To Advance Clinical Performance

GI-BRONCH Mentor, Simulator Platform

System and Trolley
Stainless steel support 130 cm L X 57 cm W X 175 cm H
Movable arm for screen
Monitor
24" Flat LCD touch screen

Mannequin
Mouth and buttocks for upper/lower GI
Nose and mouth for Bronchoscopy
Haptic
The system is equipped with a reliable high end technological Haptic (force feedback) to provide realistic sensations that mimic the look and feel of an actual procedure

Endoscopes – per ordered modules
Pentax ECS-3840F - Upper and Lower GI
Pentax ED-3440T – ERCP/EUS
Pentax EB-1830T3 - Bronchoscopy

Tools / Accessories – per ordered modules
One Master Tool device - Upper and Lower GI
Two Guide-wire devices – ERCP Module
One Master Tool device– Bronchoscopy
One 10cc Syringe – Bronchoscopy
One EBUS TBNA Needle – EBUS Module
Double Foot Switch

Distributed By:

pacific surgical

Pacific Surgical, Inc.
9th Floor Dominion Building
833 Arnaiz Street
Makati City 1229
Philippines

Will Steedman
Managing Director

Cell: 0920-928-8404
Email: will@pacspine.com
Phone: (632) 813-1392

GI-BRONCH Mentor

2.

System and Trolley
Stainless steel support 130 cm L X 57 cm W X 175 cm H
Movable arm for screen
Endoscopes holder
Tools holder
Weight: <170 kg

Mannequin
Length: 130 extends to 165 cm
Mouth and buttocks for upper/lower GI
Nose and mouth for Bronchoscopy
Color: Medical white - blue
Material: ABS plastic, rigid polyurethane
Dynamic force feedback devices inside the mannequin providing haptic sensation

Endoscopes
Pentax ECS-3840F - Upper and Lower GI
Pentax ED-3440T – ERCP
Pentax EB-1830T3 - Bronchoscopy

Monitor
24" Flat LCD touch screen

Tools / Accessories
One Master Tool device (25 cm active length) - Upper and Lower GI
Two Guide-wire devices (25 cm active length) - ERCP
One Master Tool device (28 cm active length) – Bronchoscopy
One 10cc Syringe – Bronchoscopy
One EBUS Needle, with EBUS Module purchase
Double Foot Switch - All

Environmental Characteristics
7. Power supply: 100-240 VAC
Consumption: maximum of 650 W for all system components
Operation temperature: range 10°C - 40°C
Relative humidity: maximum 90%

Compliance & Standards

All components of the system are CE marked

Low voltage directive 73/23/EWG (EU standard)

EMC Directive 89/336/EWG (EU standard)

FCC Rules Part 15

Simbionix reserves the right to change the GI-BRONCH Mentor specifications with no prior notice.

All trademarks are the property of their respected owners

The Hardware Platform
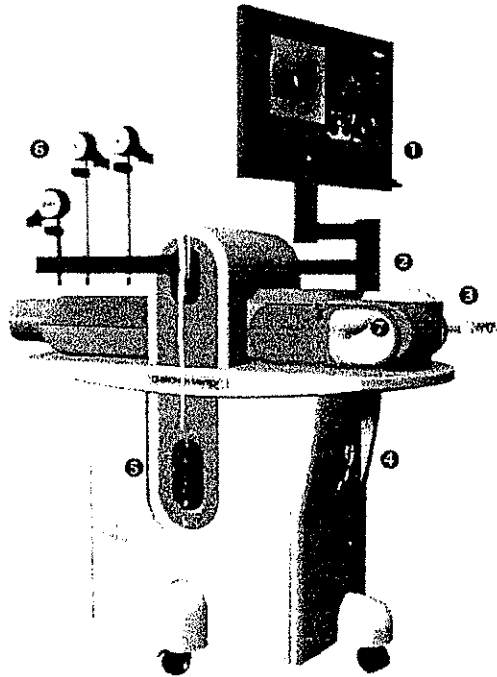
Figure 3-1: The GI-BRONCH Mentor platform

3   ❶ 24" touch screen, keyboard, and trackball
4.b ❷ BRONCH oral/nasal insert (see Figure 3-3 on page 9)
     ❸ Rotating tool tray (see Figure 3-6 on page 12)
     ❹ Power switch, foot switch connector and USB outlet (on back panel)
     ❺ Scope connector, computer activation button (see Figure 3-5 on page 11)
     ❻ Scope hangers (see Figure 3-4 on page 10)
4.a ❼ GI interchangeable panel

4.a   # GI Interchangeable Panel
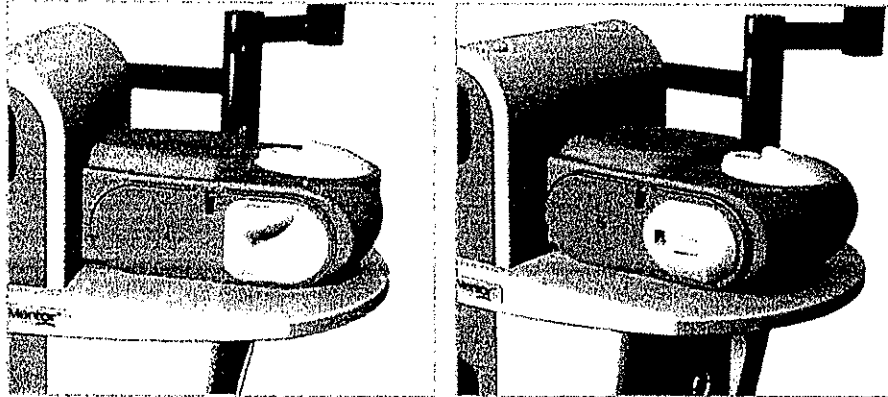
Figure 3-2: Upper/Lower GI panel

To switch between the upper and lower GI orifices:

1.   Lift the black clip.
2.   Horizontally flip the panel and fix it back into the designated niche on the lower side.
3.   Lock down the black clip.

Note: The panel must be properly positioned when introducing the GI scope.

4.b   # BRONCH Oral-Nasal Insert
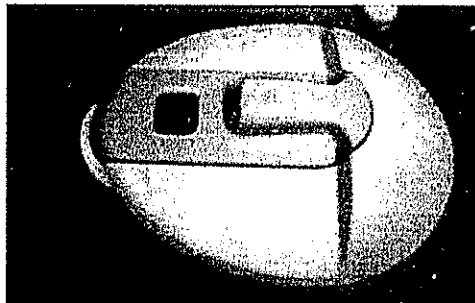
Figure 3-3: BRONCH oral-nasal insert

Note: The insert must be properly positioned when introducing the scope.

Scope Hangers
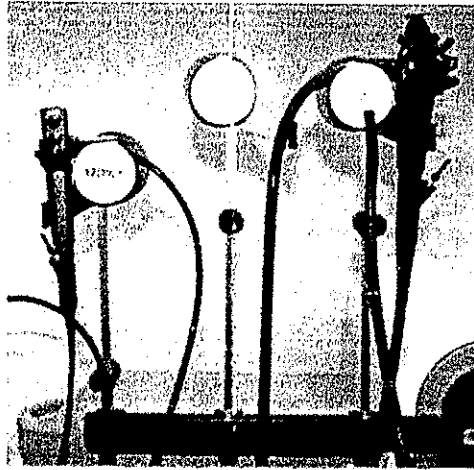
Figure 3-4: Scope hangers.

- The two GI scope hangers each come with a clip for hanging the scope's insertion tube as shown above.
- The BRONCH scope hanger comes with a clip for hanging the connector cable. L ʋ not attempt to hang the bronchoscope's insertion tube.

Connecting the Scope

The scope is connected to the socket at the front of the system.

To connect the scope:
1. Fit the scope side connector exactly in the prongs and recesses of the system side connector.
2. Turn the external dial on the scope connector to the right until you hear a click.

Available Endoscopes

Two scope types are available with the GI Mentor. Both are real scopes that were modified for simulation purposes.

The following scopes are available and provided according to which modules were purchased:
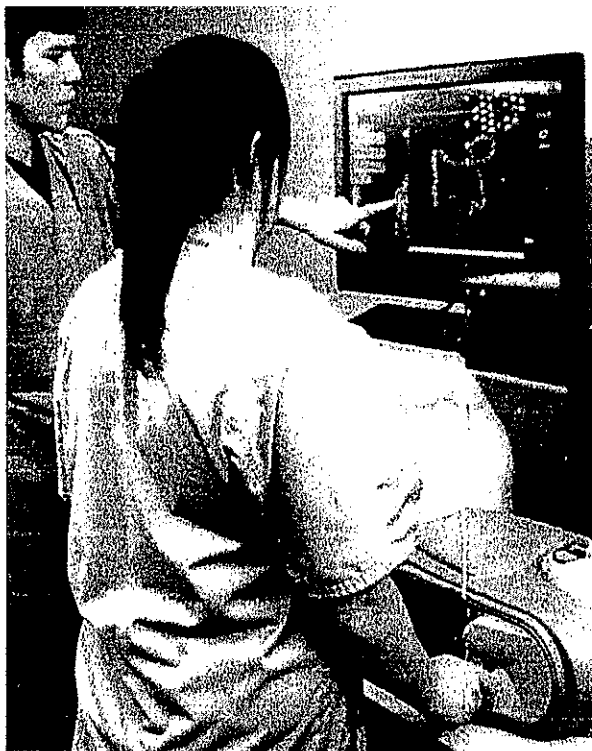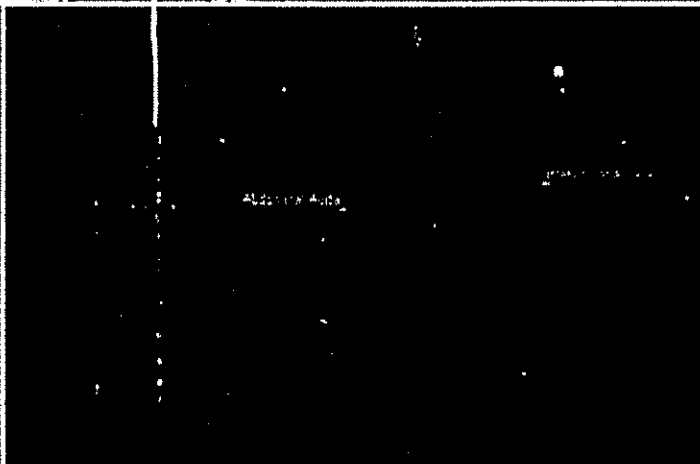
5.a • Colonoscope

5.b • Duodenoscope

Colonoscope

The colonoscope, a forward viewing endoscope, is an actual scope modified for simulation purposes.

GI Mentor™

3DSYSTEMS

Jan 29, 2016
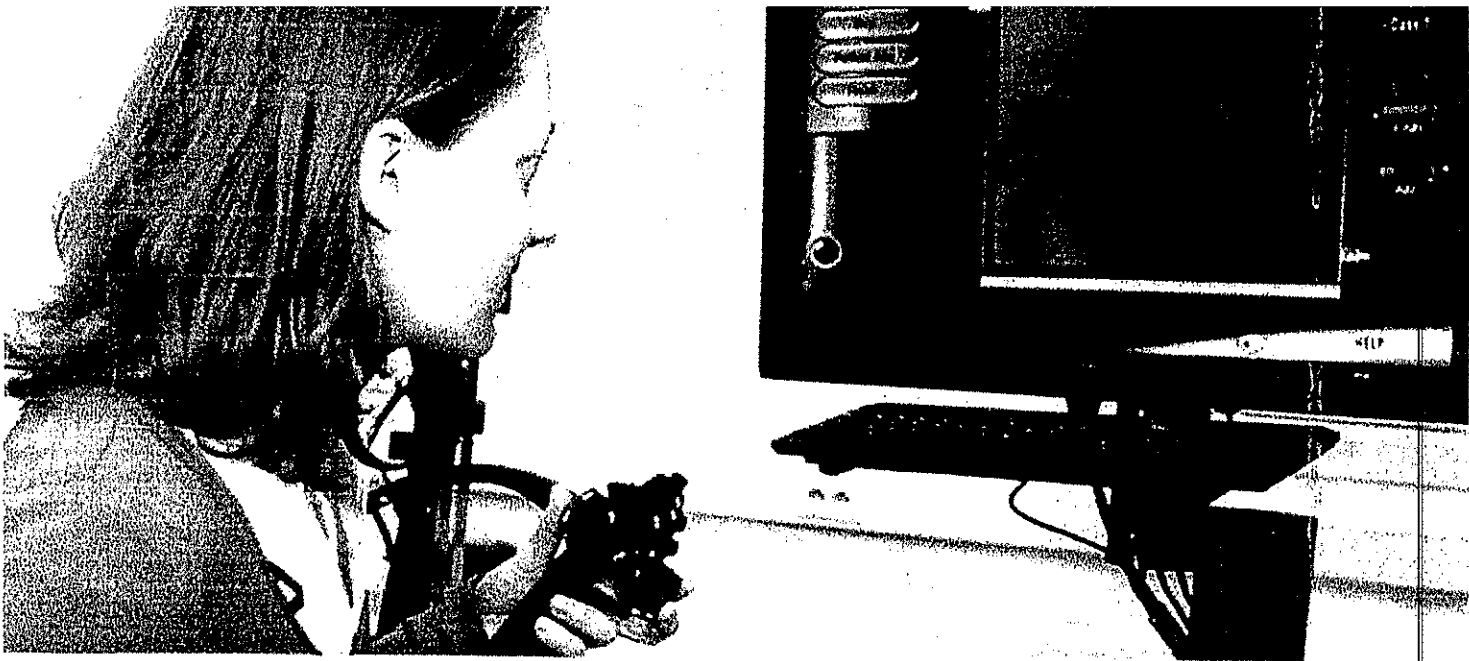
Simulator Platforms
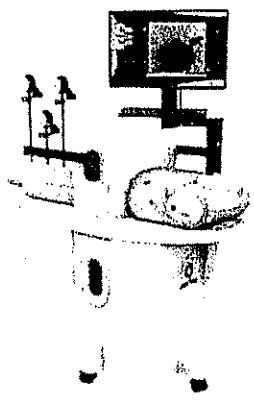
GI Mentor

The unique training system combines designated hardware and software to create a life-like sensation of real endoscopic procedures using authentic scopes and an adjustable 24" touch screen.

Upper and lower GI anatomies are conveniently interchanged, offering realistic simulation of a wide variety of gastrointestinal diagnostic and therapeutic procedures.

Includes optional add-on modules for bronchoscopy.

GI Mentor Express

A desktop training platform that offers true-to-life simulation training using an actual endoscope.

This simulator is offered in several configurations for enhanced flexible pricing.
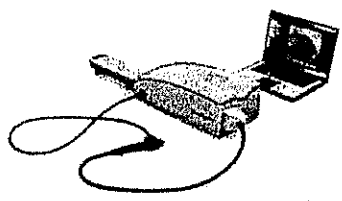
** The GI Mentor platforms are compatible with the FES testing module, as performed by SAGES and required by the ABS for all general surgery residency graduates begining in 2018.

Features and Benefits

- The most comprehensive hands-on curriculum available.
- Educational aids such as 3D map, pain indicator and virtual instructor provide dynamic feedback as to navigation, looping and patient safety during case performance.
- The most realistic VR simulation available.
- The only hands-on simulator offering EUS training.
- A user friendly and mobile platform, incorporating Flexible Bronchoscopy modules.
- The only evidence based hands-on training for GI endoscopy, validated in over 40 studies.
- Demonstrated a sustained skill transference effect superior to other training methods.
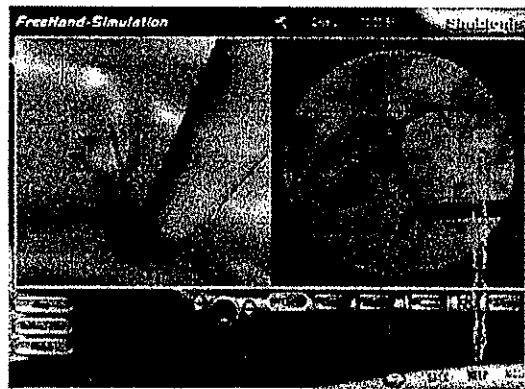
Endoscopic Tools

- **Guide Wire** – used to assist in cannulation and to gain access through difficult biliary and pancreatic strictures in ERCP (red wire in simulator).
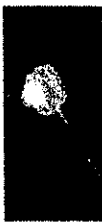
- **Cytology Brush** – used to collect cells for biopsy from the biliary tree.

- **Basket** – used for removal of large stones during ERCP.

- **Lithotripter** – used for destroying large stones during ERCP. Chosen using the basket in the simulator.

- **Extraction Balloon** – used for removal of small biliary stones during ERCP.

- **Dilatation Balloon** – used to dilate strictures in the biliary tree.
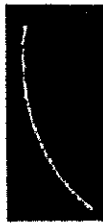
- **Stent** – used to drain obstructed biliary/pancreatic ducts.

- The GI Mentor offers the widest variety of endoscopic tools, including but not limited to a guide-wire, sphincterotome, stent introducer, stent pushing catheter, basket, dilation balloon, extraction balloon, biopsy brush, needle knife, biopsy forceps, electrical snare, spray catheter, bipolar coagulation probe etc.

- The GI Mentor provides a real time 3D Map available at all times during the case to support understanding of the anatomy shape and scope position and movement within the anatomy.

- The GI Mentor offers Simbionix' online training management system – MentorLearn, that allows for remote management and monitoring of trainees, as well as supports comprehensive hands-on curricula combining different simulation platforms, such as Surgery curriculum offering both GI procedures and LAP procedures.

BRONCH Mentor:

- The BRONCH Mentor is the only simulator where the trainee is realistically training with real Bronchoscope and bronchoscopic tools such as EBUS needle.

- The BRONCH Mentor is unique in offering a complete patient environment for all its clinical cases. The patient environment includes sedation and anesthesia, altering consciousness and vital signs, oxygen supplement and more. All are combined to create a reactive virtual patient that according to real time user's performance may be agitated and coughing, adequately sedated, or undergoing diverse hemodynamic complications or respiratory depression. The virtual patient can deteriorate down to respiratory and cardiac arrest.

- The BRONCH Mentor's comprehensive patient environment was designed to promote team training, allowing for the whole team to train together, each performing his orchestrated role.

- The BRONCH Mentor is the only simulator offering a comprehensive essential skills module, where designated tasks are each focused on a required bronchoscopic skill. This Essential Bronchoscopy module was developed in conjunction with and endorsed by the AABIP.

- Only the BRONCH Mentor provides step-by-step procedural tasks for forceps biopsy, brush sampling, conventional TBNA and EBUS-TBNA. These tasks support structured self learning and real time assessment using the immediate sampling feedback.

- The BRONCH Mentor provides a complete educational environment like no other:
  - o Promoting anatomical knowledge with airways descriptive and numeric labeling, lymph nodes and blood vessels labeling for EBUS, and tasks focusing on anatomical recognition of bronchial segments, lymph nodes and vascular structures.
  - o Improving hand-eye coordination and bronchial navigation skills with designated Cyberscopy and bronchial navigation tasks.
  - o Offering a choice of aids enhancing 3D and anatomical perception such as anatomy compass, external 3D-Map and anatomy atlas.
  - o Supporting the trainee's performance with real time guidance, including efficacy comments and patient safety alerts.

- The BRONCH Mentor's performance assessment is the most advanced and includes biopsy results per sampled location or lymph node.

- The flexible setup of the BRONCH Mentor supports posterior or lateral user positions, oral or nasal intubation, and the choice between team training using the physical auxiliaries or solo training using virtual activation through foot switch or scope buttons.

- The BRONCH Mentor is the only simulator that allows selection of moderate sedation or general anesthesia for advanced modules, to best fit each clinical facility setup.

- Thanks to the unrestricted clinical environment, each tool to be used ANYTIME throughout a diagnostic or therapeutic procedure.

riello ups

Reliable power for a sustainable world

Products: UPS
Sentinel Pro
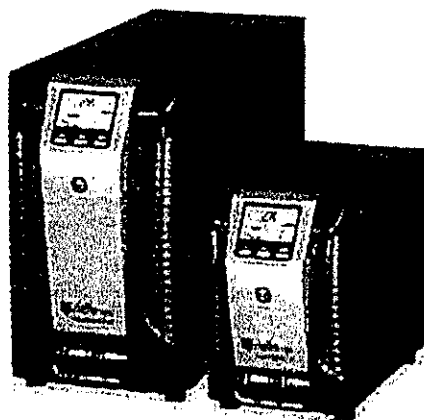
Power Range: 700 - 3000 VA

1:1

700-3000 VA

SENTINEL PRO is the latest evolution of the successful Riello Dialog Plus online UPS. This latest development has been designed with the environment in mind and is part of the Riello ECO Line of UPS.

SENTINEL PRO is an on-line double-conversion UPS offering the highest levels of reliability and protection for critical servers, voice and data processing IT systems.
7. For long runtime applications, Sentinel Pro (ER models) can be fitted with matching battery extension packs which also include additional battery boost chargers.

In terms of communications, each Sentinel Pro has a built-in mimic panel with an LCD to show input and output voltages, and battery charge status. The inverter is a totally new design, fully microprocessor controlled and constructed to achieve the highest levels of operating efficiency and configuration options. SENTINEL PRO UPS also have USB communication ports as standard, with a built-in expansion slot for additional adapters, protocol converters and relate contact cards.

The UPS is highly efficient. SENTINEL PRO is designed to save energy and has a power-off push-button feature to reduce energy consumption to zero, when no load is connected or switched off.
Sentinel Pro models include 700VA, 1000VA, 1500VA, 2200VA and 3000VA.

☑Request Information

Characteristics

FEATURES

• Filtered, stabilised, reliable output voltage: on-line double-conversion technology (VFI in accordance with IEC 62040-3) with built-in EMI filters
• High overload capability up to 150%
• Programmable auto-restart when mains power returns
• Programmable cold-start from battery
• Power factor correction (UPS input power factor close to 1)
• Wide input voltage tolerance (from 120-280Vac) without battery usage
• Possibility to extend autonomy for several hours
• Fully configurable using UPS Tools configuration software
• High level of battery reliability (automatic and manually-activated battery tests)
• High level of UPS reliability (total microprocessor control)
• Low impact on the mains (sinusoidal absorption)
• Input protection with fuse which can be reset.

ADVANCED COMMUNICATION

• Advanced communication, multiplatform, for all operating systems and network environments, Powershield3 supervision and shut-down software included for Windows 7, 2008, Vista, 2003, XP, Linux, Mac
OS X, Sun Solaris and VMware ESX operating systems and other Unix operating systems
• UPS Tools configuration and personalisation software supplied as standard
• RS232 serial port and opto-isolated contacts
• USB port
• Slot for communication cards.

2 YEAR WARRANTY

The GI Mentor™ offers the most comprehensive hands-on training for GI skills and gastrointestinal diagnostic and therapeutic procedures with over 100 tasks and virtual patient cases.

GI Mentor Modules

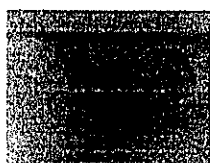8.a.viii
GI Endoscopy - Fundamental Skills
Promotes endoscopic skills acquisition: navigation, mucosal evaluation, targeting, retroflexion, and loop reduction.

8.a.i
Cyberscopy
Basic tasks to enhance hand-eye coordination and scope maneuvering dexterity.

8.a.iii
Upper GI Endoscopy
Complete survey of the upper GI tract, identifying, sampling or otherwise treating the findings.

8.a.ii
Lower GI Endoscopy
Complete survey of the lower GI tract in diverse anatomies, where findings can be sampled or otherwise treated.

8.a.vi
ERCP
Complete ERCP procedures using the endoscopic and fluoroscopic views to cannulate the papilla, sphincterotomy and diagnosis / treatment of CBD / PD findings.

8.a.iv
Emergency Bleeding
Gastric Bleeding cases to practice the management of bleeding situations, with various methods and tools in a controlled environment.

8.a.v
Flexible Sigmoidoscopy
Varied anatomies to practice the retroflexion maneuver, identify diverse pathologies and recommend further treatment.

8.a.vii
Endoscopic Ultrasonography (EUS)
Educational environment to practice and gain experience in linear and radial EUS, focusing on scope maneuvering to demonstrate anatomical landmarks.

MentorLearn Simulator Curricula Management System

3D Systems' multidisciplinary simulators effortlessly integrate into your program curriculum.

- Customizable curriculum incorporating training and didactics.
- Easy and efficient administration of simulator users.
- Online learning courses and video-based content.
- Proficiency based hands-on training.
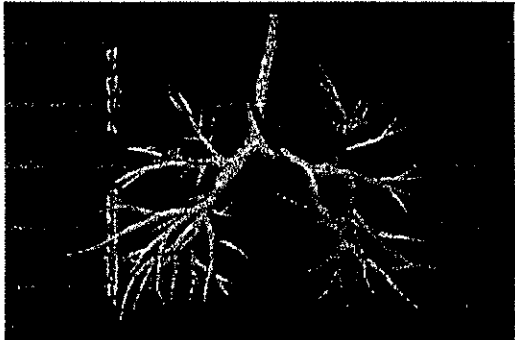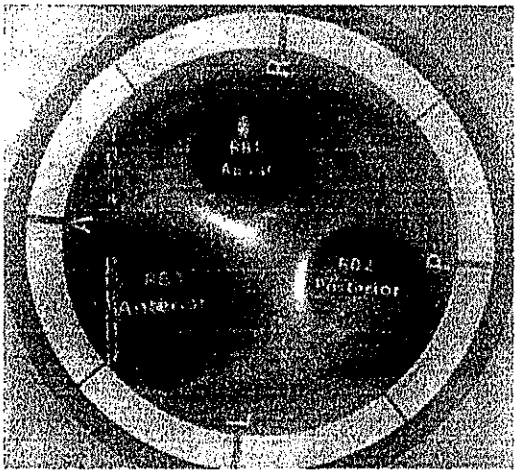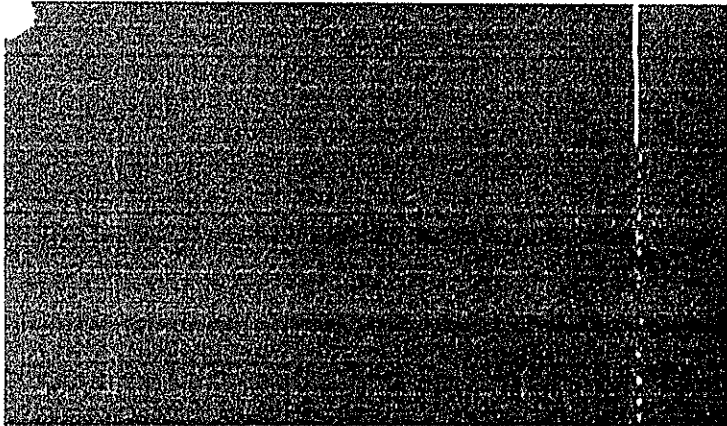- Performance reports with learning curve graphs.

3DSYSTEMS   MANUFACTURING*THE*FUTURE
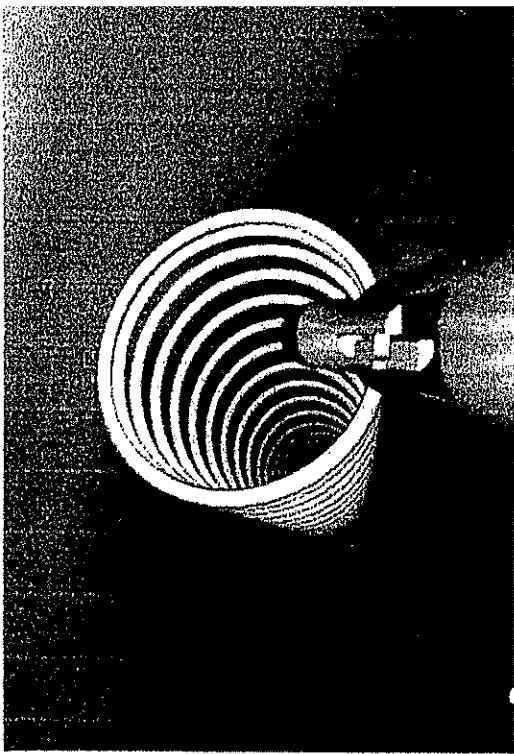
BRONCH Mentor™

3D SYSTEMS

Simulator Platforms
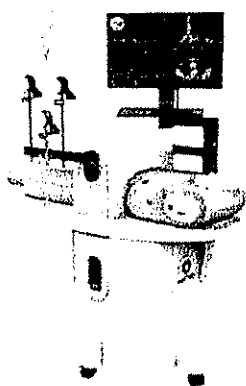
GI-BRONCH Mentor

A true-to-life training environment using an authentic scope with tactile feedback, and realistic visualization displayed on a 24" touch screen.

The flexible system configuration supports either lateral or posterior working positions for team or solo training.

This platform offers the most comprehensive bronchoscopy hands-on training available, as well as optional add-on modules for GI Endoscopy.

BRONCH Express - Co-developed with CHEST (ACCP)

This innovative portable simulator provides a meaningful yet affordable hands-on solution to the growing demand for training and qualification for core bronchoscopy skills and procedures.

Features and Benefits

* Realistic simulation featuring authentic scope, tactile feedback and a flexible working setup promoting team training.
* True to life virtual patient cases modeled after real patients.
* Comprehensive patient environment includes sedation, topical anesthesia, reactive vital signs, cough and complications.
* Unique educational environment enhances 3D perception, anatomical knowledge, procedural know-how and patient safety.
* Training and assessment are designed to foster safe and efficient performance while considering patient safety, procedural adequacy, clinical discretion, diagnostic yield and equipment safety.
* Meaningful performance metrics for self-assessment and competence demonstration prior to real patient practice.
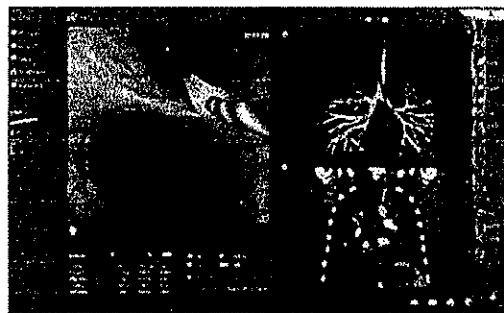
3DSYSTEMS   MANUFACTURING*THE*FUTURE

BRONCH Mentor Modules

8.b.i
Essential Bronchoscopy

Designated essential skill
tasks to optimize novice users
learning curve while acquiring
and integrating bronchoscopic
capabilities.

Developed in conjunction with and endorsed by
the American Association for bronchoscopy and
Interventional Pulmonology (AABIP)

Emergency and ICU situations that
require bronchoscopic intervention
such as foreign body aspiration,
endobronchial bleeding and
secretion filled airways.

8.b.ii
Diagnostic Bronchoscopy

Virtual patient cases requiring
diagnostic bronchoscopies,
including airway inspection and
various endobronchial / transbronchial
tissue sampling methods.
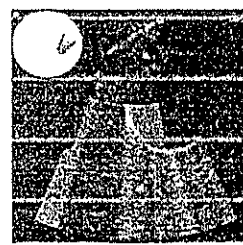
Tasks and complete clinical
cases to enhance ultrasound
image interpretation, anatomical
structures recognition, and
procedural performance of the
complete EBUS-TBNA workflow.

Mentor Learn Simulator Curricula Management System

3D Systems' multidisciplinary simulators effortlessly integrate into your program curriculum.

- Customizable curriculum that incorporate training and didactics.
- Easy and efficient administration of simulator users.
- Online learning courses and video-based content.
- Benchmarks based hands-on training.
- Performance reports with learning curve graphs.

CERTIFIED TRUE COPY

Jan 28 2016