



Spring / Summer 2009

CLINICAL EDUCATION COURSE CATALOG

EDUCATIONAL GRANTS PROVIDED BY

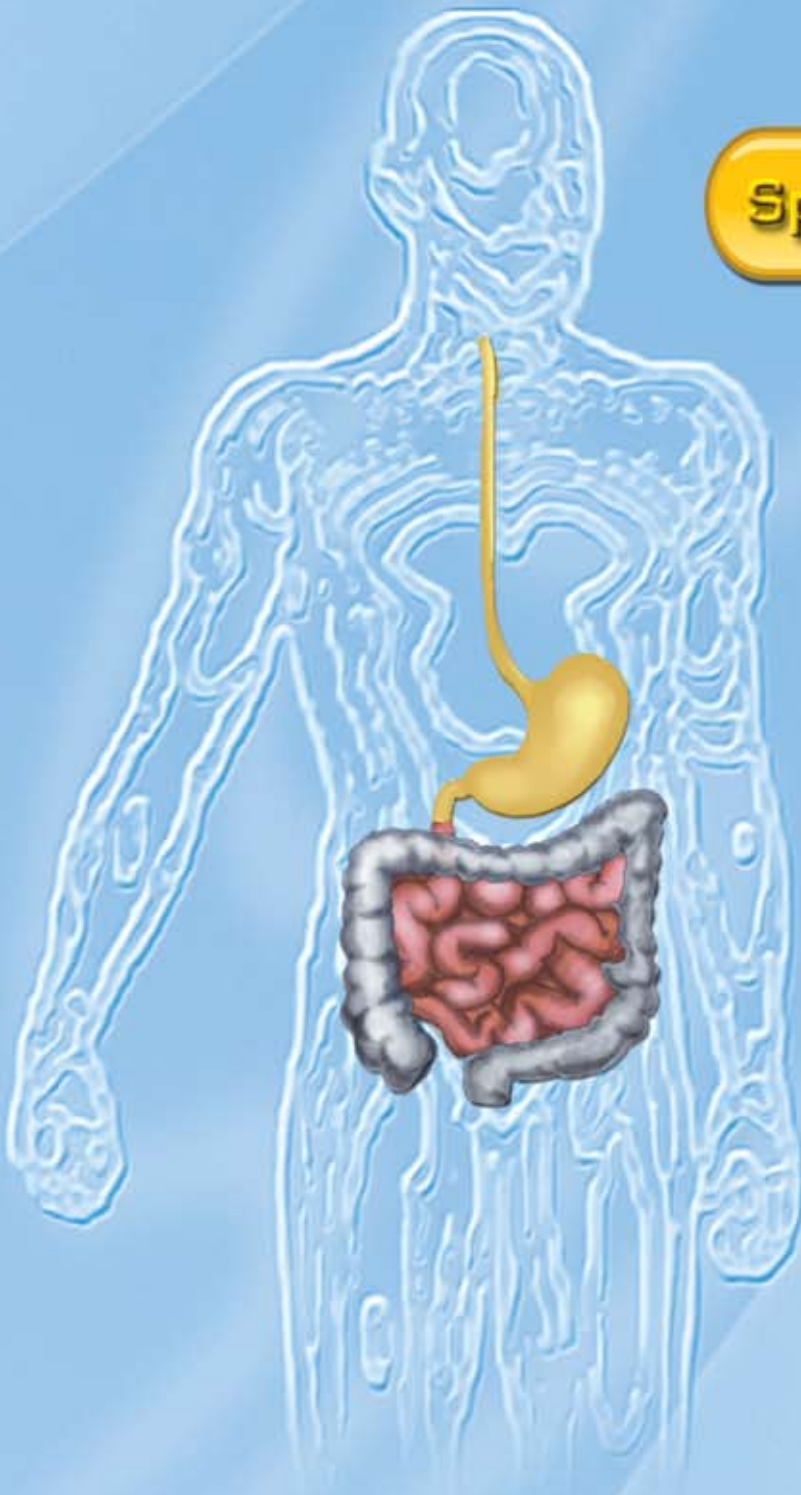




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REGISTER ON-LINE www.sandhillsci.com

CLINICAL EDUCATION PROGRAMS

Sandhill Scientific offers a comprehensive selection of effective clinical education programs for the busy clinician. Courses are designed for the needs of physicians, nurses, nurse practitioners, physician assistants, and other eligible health care professionals and provide the information required to master leading edge diagnostic technologies. Course offerings effectively provide information to both the novice and the experienced clinician.

MEET THE FACULTY Page 2

BASIC COURSES Page 3-4

These courses, held at our Denver training facility, are designed for clinicians who are initiating diagnostic testing for their patients. Attendee experience will include interactive classroom theory as well as performing hands-on procedures. These courses are designed to help build basic analytical skills and increase esophageal and anorectal function knowledge.

ESOPHAGEAL FUNCTION AND REFLUX TESTING: This three day course is for anyone performing esophageal manometry, impedance/manometry (EFT), acid (pH) and impedance/pH monitoring.

ANORECTAL MANOMETRY BASIC COURSE: This two day course is designed for clinicians who are initiating diagnostic testing for patients with constipation, fecal incontinence, rectal pain or encopresis.

UNDERSTANDING THE ABNORMAL STUDY Page 5-6

These one day seminars are designed to help the attendee understand how to read and interpret normal, as well as abnormal studies.

ESOPHAGEAL FUNCTION AND REFLUX SEMINAR: Reviewing actual motility and reflux monitoring tracings builds proficiency in identifying disorders such as hiatal hernia, achalasia, distal esophageal spasm and ineffective esophageal motility.

ANORECTAL SEMINAR: Reviewing actual anorectal manometry tracings and case studies help the user understand the diagnosis and treatment of the patient with constipation, fecal incontinence, rectal pain, encopresis and other abnormalities seen by the practicing physician.

ANALYZING THE WAVEFORMS: This seminar will enhance editing techniques for both esophageal motility and reflux testing. This one day seminar is designed to cover esophageal manometry, impedance/manometry (EFT), acid (pH) and impedance/pH (Sleuth) monitoring. This course is geared toward those clinicians with experience in acquiring and editing studies using Sandhill equipment.

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Meet the Faculty



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Medical Director

Donald O. Castell, MD, MACG

*Professor of Medicine and
Director of Esophageal
Disorders program at the
Medical University of South Carolina
Charleston, SC*

Dr. Castell has been Sandhill Scientific's Medical Director since 2000. He has studied the esophagus both clinically and in the research laboratory for over 35 years. His work in the research laboratory has won him acclaim and in 1990 Dr. Castell received the Kirsner award for clinical research by the AGA. He has authored over 500 publications including the major text in this field, *The Esophagus*, 4th edition, 2004. Despite his huge contribution to GI research, if you ask him, Dr. Castell likes to be introduced as a clinician and an educator of clinicians. In 1999, he was elected President of the AGA. His former trainees include many of the current experts in esophageal function. After sitting in on one of his classes you will understand why the AGA recognized him as the 2001 Educator of the Year.



Reginald Bell, MD

Reginald Bell M.D. is a specialist in Gastrointestinal Surgery (including laparoscopic surgery and weight-loss surgery) as well as Tumor, Endocrine, Hernia, and Breast Surgery. Dr. Bell is a Fellow of the American College of Surgeons, as well as a member of the Society of American Gastrointestinal Endoscopic Surgeons, the Society for Surgery of the Alimentary Tract, the American Society of General Surgeons, and the American Society of Bariatric Surgeons. He is Board Certified in the specialty of General Surgery. He has published numerous papers and frequently lectures both nationally and internationally. Dr. Bell has been associated with Sandhill Scientific for over 11 years.



R. Matthew Reveille, MD

Dr. Reveille has been on the faculty at Sandhill for more than 6 years teaching the Anorectal Basic Course. He has recently added to his repertoire, *Understanding the Abnormal Anorectal Studies*. He is on staff as Assistant Clinical Professor of Medicine, University of Colorado Health Sciences Center. He is a managing partner at Rocky Mountain Gastroenterology, PLLC and Rocky Mountain Endoscopy Centers, Lakewood, CO.



John Sun, MD

Dr. John Sun attended medical school at the University of Colorado where he also served his residency. He has dedicated his career to colorectal diseases and completed his fellowship in colon and rectal surgery at the University of Minnesota in 1996. He is an experienced speaker in areas of colon and rectal surgery and has been on the faculty for Sandhill Scientific for more than 7 years. Dr. Sun has more than 57 publications and abstracts to his name and has also been the recipient of the Award for Excellence in Clinical Teaching.



Radu Tutuian, MD

Dr. Radu Tutuian specializes in diseases of the esophagus. He received his fellowship at the Medical University of South Carolina (MUSC) under the guidance of Dr. Castell. He is a well respected speaker and has more than 100 publications and abstracts to his name. Dr. Tutuian also hosts an annual course, *'Esophageal Motility and Gastroesophageal Reflux Conference: Surgical/Medical Debates in and around the Esophagus'*.



Marcelo Vela, MD

Dr. Vela is an Associate Professor of Medicine in the Division of Gastroenterology and Hepatology at the Medical University of South Carolina. He completed his fellowship in Gastroenterology the Cleveland Clinic Foundation and obtained a Masters in Clinical Research from MUSC. He specializes in esophageal and swallowing disorders. He is currently funded by the American Gastroenterological Association and the American College of Gastroenterology to study Gastroesophageal Reflux Disease. He is a respected speaker at both the national and international level. He has published more than 30 peer-reviewed publications in gastroenterology journals, as well as 8 book chapters related to esophageal disease.



Sandy Brubaker, BS, MT (ASCP)

Sandy Brubaker attended the University of Wisconsin where she was awarded her bachelor of science and MT (ASCP) degrees. She has more than 35 years experience in GI and endoscopy and motility testing. Sandy has been instrumental in developing new technologies in the field of esophageal testing and Sandhill is proud to have her lead the team in clinical education. Sandy is a talented speaker with more than 30 years experience and has served to plan and coordinate the courses offered at Sandhill.



Linda Knight, RN

Linda Knight received her BSN from Graceland College in 1980. Linda has extensive manometry experience starting at University of Colorado Health Sciences Center in 1983, including anorectal and biofeedback. She currently resides in Annapolis Maryland where she performs manometry, anorectal and pH studies for several practices and hospitals in the Baltimore/Washington area. She performs teaching seminars and lectures as a clinical coordinator for Sandhill Scientific as well as for the SGNA.



Basic Courses

REGISTER ON-LINE www.sandhillsci.com

101-E ESOPHAGEAL FUNCTION AND REFLUX TESTING

FACULTY:

Donald Castell, MD, MACG
Reginald Bell, MD
Sandy Brubaker, BS, MT(ASCP)



TARGET AUDIENCE:

Physicians, nurses, nurse practitioners, physician assistants, and other eligible health care professionals interested in providing effective and responsible care for the patient requiring esophageal motility and reflux testing. The course is designed to accommodate the needs of both novice and expert users.

GOAL:

To build a foundation which will enable the user to perform accurate esophageal motility (manometry and impedance/manometry) and reflux (acid (pH) and impedance/pH) procedures while gaining an understanding of the clinical implications and utility for these procedures.

MEET THE PROFESSOR:

During select months (###-##EC), Dr. Castell will be present to provide sessions specifically geared to understanding the use of these diagnostic procedures: esophageal manometry and impedance/manometry (EFT), impedance/pH and acid (pH) testing. The use of impedance technology in obtaining these studies will be reviewed. Structured as a roundtable discussion, Dr. Castell will review issues most concerning the practicing clinician charged with providing diagnosis and treatment of the patient with esophageal abnormalities.

COURSE HIGHLIGHTS:

- Esophageal anatomy and physiology
- Patient selection criteria
- Two days of hands-on procedures performed on volunteers
- Clinical protocol overview
- Review of ambulatory reflux monitoring (both acid (pH) and impedance/pH)
- Report generation and editing skill
- Acid (pH) and impedance/pH overview
- Acid (pH) and impedance/pH tracings, editing, probe placement
- Exposure to different issues encountered when performing diagnostic tests
- Overview of esophageal motility abnormalities utilizing actual tracings

Course Number	Date
101-01EC	Jan 7 - 10, 2009
101-02E	Feb 4 - 7, 2009
101-03EC	Mar 4 - 7, 2009
101-04EC	Apr 29 - May 2, 2009
101-06E	Jun 10 - 13, 2009
101-07EC	TBD
101-09EC	TBD
101-10E	TBD
101-11EC	TBD

FEE: \$1,700 per person for the first 2 participants.
Discounts: Take 20 % off for a group of 3 or more

"Superb course! Thank you for having the insight to develop such a great educational program - a model for the biomedical industry."
 Douglas Winesett, MD
 Greenville, SC



101-A ANORECTAL MANOMETRY

FACULTY:

R. Matthew Reveille, MD
 John Sun, MD
 Linda Knight, RN, BSN



TARGET AUDIENCE:

Physicians, nurses, nurse practitioners, physician assistants, and other eligible health care professionals interested in providing effective and responsible care for the patient and who are initiating anorectal diagnostic tests.

GOAL:

To build a foundation which will enable the user to perform accurate anorectal manometry procedures while gaining an understanding of the clinical implications and utility for these procedures.

COURSE HIGHLIGHTS:

- Anorectal anatomy and physiology
- Patient selection criteria
- Anorectal manometry clinical protocol overview
- Hands-on procedures performed on volunteers
- Overview of biofeedback indications and procedure protocol
- Report generation and editing skills
- Pudendal nerve latency testing overview
- Surgical and medical treatments of defecation disorders
- Overviews of abnormal waveforms

Course Number	Date
101-03A	Mar 9 - 10, 2009
101-06A	Jun 15 - 16, 2009
101-11A	TBD

FEE: \$1,200 per person for the first 2 participants.
Discounts: Take 20 % off for a group of 3 or more

The Anorectal course is typically held after the Esophageal Function and Reflux Testing Basic Course to allow students to attend both classes in one trip to Denver.



*"Great lecture!
 The presenters made
 a difficult subject
 easy and entertaining!"*
*Jenny Tolbert, RN
 Muskogee, OK*



Understanding the Abnormal Study

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201-E INTERPRETATION SEMINAR: ESOPHAGEAL FUNCTION AND REFLUX TESTING

TARGET AUDIENCE:

Physicians, nurses, nurse practitioners, physician assistants, and other eligible health care professionals charged with reading and interpreting esophageal motility (manometry and impedance/manometry) and reflux (acid (pH) and impedance/pH) testing.

GOAL:

To expand the attendee's understanding of the normal and abnormal diagnostic test. Reading and interpretation strategies utilize lecture and review of actual tracings. Esophageal manometry, impedance/manometry, acid (pH) and impedance/pH procedures are used to develop an understanding of the clinical manifestations of the abnormalities of the esophagus.

COURSE HIGHLIGHTS:

- Introductory lecture reviewing the basics of the anatomy and physiology of the esophagus
- Understand how to read and interpret normal and abnormal manometry, impedance/manometry, acid (pH) and impedance/pH studies
- Manometric and impedance interpretation overview reviews actual tracings by Dr. Castell. Utilization of numerous examples help the user understand the hiatal hernia patient, those with achalasia, distal esophageal spasm, ineffective esophageal motility and other abnormalities seen by the practicing physician
- Reflux testing is dedicated to discussing the acid (pH) and impedance/pH studies and the interpretation of these studies

Course Number	Date	Location	Faculty
201-01E*	Jan 15	Oklahoma City, OK	Dr. Castell
201-02E*	Feb 12	Raleigh, NC	Dr. Castell
201-03E**	Mar 12	Dallas, TX	Dr. Castell
201-04E	Apr 16	San Francisco, CA	Dr. Castell
201-06E*	Jun 18	Seattle, WA	Dr. Castell
201-07E	TBD	Chicago, IL	Dr. Castell
201-09E**	TBD	Dallas, TX	Dr. Castell
201-10E	TBD	Annapolis, MD	Dr. Castell
201-11E*	TBD	Orlando, FL	Dr. Castell
201-12E	TBD	Kansas City, MO	Dr. Castell

* Analyzing the Waveforms course offered the following day.

** Anorectal Interpretation Seminar course offered the following day.

FEE: \$195 per person for the first 2 participants.

Discounts: Take 20 % off for a group of 4 or more. Take 15% off for combined courses.



201-A INTERPRETATION SEMINAR: ANORECTAL MANOMETRY

TARGET AUDIENCE:

Physicians, nurses, nurse practitioners, physician assistants, and other eligible health care professionals charged with reading and interpreting anorectal diagnostic studies and directing their care.

GOAL:

To guide the attendee to a better understanding of the normal and abnormal diagnostic test utilizing lecture and review of actual tracings. Reading and interpretation strategies for anorectal manometry, pudendal nerve latency testing and EMG studies will be reviewed utilizing representative case studies and tracings. Develop an understanding of the clinical manifestations of the abnormalities of the anorectum.

COURSE HIGHLIGHTS:

- Introductory lecture reviewing the basics of the anatomy and physiology of the anorectum
- Review of representative case studies and tracings by Dr. Reveille utilizing numerous examples to help the user understand the patient with constipation, fecal incontinence, rectal pain, encopresis and other abnormalities seen by the practicing physician
- Medical treatments of defecation disorders
- Overview of abnormal waveforms

Course Number	Date	Location	Faculty
201-03A	Mar 13	Dallas, TX	Reveille, Knight
201-09A	TBD	Annapolis, MD	Reveille, Knight

FEE: \$195 per person for the first 2 participants.

Discounts: Take 20 % off for a group of 4 or more. Take 15% off for combined courses.

201-W ANALYZING THE WAVEFORMS

TARGET AUDIENCE:

Physicians, nurses, nurse practitioners, physician assistants, and other eligible health care professionals performing esophageal function and reflux testing and are interested in enhancing their editing and report generating skills as they relate to esophageal manometry/impedance, acid (pH) and impedance/pH testing.

GOAL:

To help the attendee gain a better understanding of these diagnostic tests. To improve editing skills with better recognition of waveforms. Develop a better understanding of the report data for esophageal manometry, impedance/manometry, acid (pH) and impedance/pH studies.

COURSE HIGHLIGHTS:

- Understand the basic principals of editing the acid (pH) and impedance/pH monitoring procedure
- Understand the basic principals of editing the esophageal manometry and impedance/manometry procedures
- Learn how to become proficient in the use of the software tools for more efficient editing of your manometry and reflux studies
- Enhance your understanding of the abnormal manometric waveform
- Develop a better understanding of report statistics

Course Number	Date	Location	Faculty
201-01W	Jan 16	Oklahoma City, OK	Sandy Brubaker
201-02W	Feb 13	Raleigh, NC	Sandy Brubaker
201-06W	Jun 19	Seattle, WA	Sandy Brubaker
201-11W	TBD	Orlando, FL	Sandy Brubaker

FEE: \$195 per person for the first 2 participants.

Discounts: Take 20 % off for a group of 4 or more. Take 15% off for combined courses.



Additional Educational Offerings

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ONSITE TRAINING:

A Sandhill clinician comes to your facility and trains your staff. On-site training includes a review of basic anatomy and physiology, acquisition and editing techniques and hands-on experience under the guidance of the coach. On-site training is available for Esophageal Function/Manometry Testing, Anorectal Manometry, and Reflux Testing.

Contact Sandhill for scheduling and pricing.

CYBERCOACHING:

Online real time clinical support with (over-the-shoulder) editing guidance. A Sandhill RN will provide editing assistance on-line via secured web-conferencing to observe the editing process real-time!

Cybercoaching: \$65 per 30 minute session.

LITERATURE:

"*Esophageal Motility & pH Testing*": This text by Dr. Castell has become an invaluable resource for the esophageal motility and reflux testing lab.

Price: \$90

ON-LINE TUTORIALS:

These free on-line tutorials provide a step-by-step guide to performing studies from acquisition to editing and report generation. Included are tutorials in all standard probe configurations for esophageal and anorectal studies as well as reflux studies. Available for Sandhill customers. **Contact Sandhill for your individual passcode.**

MONTHLY WEBINARS:

Sandhill Scientific is proud to present a series of live, interactive discussions on topics related to esophageal function testing, reflux testing, and anorectal manometry. Each session is free and will review the editing of actual tracings. The first three de-identified studies to be submitted each month will be reviewed during each session.

Contact Sandhill at clinicaleducation@sandhillsci.com for details on how to submit a study.

Time:

First Monday of every month, 9:00 MST

Audience:

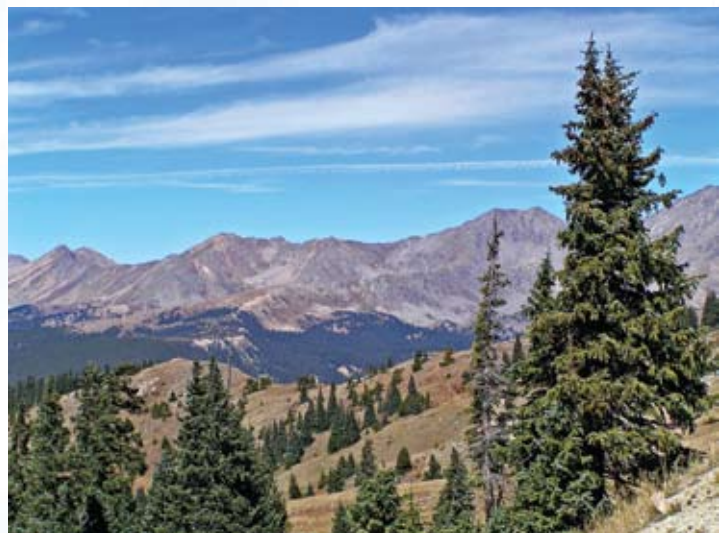
Health care professionals performing esophageal, anorectal and reflux studies: Capacity – 30

Registration: To register for a session, go to www.sandhillsci.com and click on

Clinical Education/Educational Programs/Webinars

Fill in the required registration information and submit.

Access information for the webinar will be sent via e-mail.



Advanced Symposium



REGISTER ON-LINE www.sandhillsci.com

ADVANCED SYMPOSIUM 2009

TOOLS AND TECHNIQUES FOR THE MANAGEMENT OF PATIENTS WITH ESOPHAGEAL DISORDERS – AUGUST 6 - 9, 2009

Course Co-Directors Drs. Donald Castell and Carlos Pellegrini

TARGET AUDIENCE:

Physicians interested in learning new techniques and tools available for diagnosis of esophageal disorders as well as surgical and medical management.

GOAL:

To provide a comprehensive understanding and critique of the newest technologies and to provide an opportunity to exchange ideas through in depth discussions of both the medical and surgical approaches for diseases of the esophagus.

REGISTRATION AND HOTEL INFORMATION

Early Registration Fee: \$795 (before 3/31/09)

After 3/31/09: \$895

Includes: Welcome Reception —
August 6th, 6:30pm - 9:30pm
Breakfast Daily
Course Materials

Golf Tournament: \$150 (includes boxed lunch, cart, and prizes)

COURSE HIGHLIGHTS:

- Esophageal anatomy and physiology review
- New diagnostic approaches to esophageal motility abnormalities
- Medical and surgical modalities for esophageal motility abnormalities
- New diagnostic approaches to reflux
- Medical and surgical modalities for reflux disease



Combining the elegance and Old World charm of an alpine with the superb amenities and impeccable service found in the World's finest hotels. The Lodge at Vail, is a AAA Four Diamond Award-Winning Lodge renowned for its style, comfort, and grace.

Contacting Sandhill Education

FOR CLINICAL SUPPORT:

800.468.4556 ext 1019
303.470.7020, ext 1019
Email: clinicalsupport@sandhillsci.com

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Fax: +420 266.310.110



2009 Clinical Education Packages

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	COURSES/PROGRAMS	DESCRIPTION	PRICE/RESTRICTIONS
Basic Package	Denver Course	<p>Esophageal: This three day course is for anyone performing esophageal manometry, impedance/manometry (EFT), acid (pH) and impedance/pH monitoring.</p> <p>Attendee experience will include performing hands-on procedures, which are designed to help build basic procedural and interpretive skills and increase esophageal function knowledge.</p>	<ul style="list-style-type: none"> • \$1,700 per person for the first 2 participants. Discounts: Take 20 % off for a group of 3 or more. • If purchased as part of the InSIGHT or InSIGHT/Sleuth system, tuition for two is included in the price. • A third person may attend. <ul style="list-style-type: none"> – If a physician, tuition is included. – If a non-physician, add \$850 per person
		<p>Anorectal: The two day course is designed designed for health care professionals who are initiating diagnostic testing for patients with constipation, fecal incontinence, rectal pain or encopresis.</p>	<ul style="list-style-type: none"> • \$1,200 per person for the first 2 participants. Discounts: Take 20 % off for a group of 3 or more. • If purchased as part of the Insight Anorectal System Tuition for two is included in the price. • A third person may attend: <ul style="list-style-type: none"> - If a physician, tuition is included - If a non-physician, add \$600 per person
	CyberCoaching Sessions	<p>CyberCoaching is a unique approach to sharpening your skills in analyzing your studies.</p> <p>Using a real time internet interface, you will work directly with a Sandhill Registered Nurse on your own computer.</p>	<ul style="list-style-type: none"> • Two Cybercoaching sessions per facility are included. - Additional sessions can be purchased for \$65 per session.
Basic Plus Package	Includes everything from the Basic Package PLUS:		
	<p>Interpretation Seminar</p> <p>Advanced Editing Seminar</p>	<p>These one day seminars are designed to help the attendee understand how to read and interpret normal, as well as abnormal studies.</p> <p>This seminar will enhance editing techniques for both esophageal motility and reflux studies.</p>	<ul style="list-style-type: none"> • \$1,900 per person includes attendance to both the Interpretation Seminar and Analyzing the Waveform. • If purchased with a system, this package is an additional \$450, which includes tuition for up to two people to attend both the Interpretation Seminar and Advanced Editing Seminar: <ul style="list-style-type: none"> – This option is ONLY available to those who have attended the Denver Basic Course. • Attendance must be within one year of attending the Denver Course.
Deluxe Package	Includes everything from the Basic Package PLUS, AND:		
	On-Site Session	A Sandhill Clinical Coordinator will provide a one day follow-up on-site session in your own lab.	<ul style="list-style-type: none"> • \$3,400 includes a one day On-Site follow-up visit from a Sandhill clinical trainer. • When purchased with a system: <ul style="list-style-type: none"> – \$1500, which includes one day of On-Site training – This option is ONLY available to those who have attended the Denver Basic Course. The On-Site session must be completed within six months of attending the Denver Basic Course. Scheduling is the responsibility of the attendee.

Sandhill Scientific offers Education Package discounts with the purchase of Sandhill equipment. Contact Sandhill Scientific for further details.

Registration



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Facility	Phone	Fax
Contact Name	E-mail Address	
Mailing Address		
City, State, (Country) Postal Code		

Participant's Full Name	Course No.	Date	Description	FEE

<p>Charge Payment: <input type="checkbox"/> Mastercard <input type="checkbox"/> Visa</p> <p>Card Number: _____</p> <p>Expiration Date: _____</p> <p>Authorized Signature: _____</p>	<p>SUBTOTAL:</p> <hr/> <p>APPLY DISCOUNT:</p> <hr/> <p>TOTAL:</p>
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EQUIPMENT LIST:

Please indicate equipment currently being used in your facility for those participants registering for the Basic Courses.

InSIGHT System:	
<input type="checkbox"/> InSIGHT <input type="checkbox"/> InSIGHT g2 <input type="checkbox"/> InSIGHT g3	
Reflux Monitoring System:	
<p>pH Testing:</p> <input type="checkbox"/> GERDCheck <input type="checkbox"/> ZepHr pH Only	<p>Impedance/pH Reflux Testing:</p> <input type="checkbox"/> Sleuth <input type="checkbox"/> ZepHr Z/pH
Probe:	
<p>Anorectal:</p> <p>Disposable <input type="checkbox"/> GIM6000A <input type="checkbox"/> GIM6000D</p> <input type="checkbox"/> Solid State* <input type="checkbox"/> Water	<p>Esophageal:</p> <p>Disposable <input type="checkbox"/> GIM6000E</p> <input type="checkbox"/> Solid State <input type="checkbox"/> Water <input type="checkbox"/> HRiM® <input type="checkbox"/> EFT <input type="checkbox"/> Other

*For solid state probe, please indicate model number:

Never be left in the dark...

Sandhill Scientific. The wisest choice for G.I. education.



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