

## **ULTRASONOGRAPHIC IMAGING OF PELVIC FLOOR DISORDERS**



**XV° COURSE: November 23<sup>rd</sup> – 25<sup>th</sup>, 2011**

**I Department of Surgery, Regional Hospital, Treviso - ITALIA**

Ultrasonographic imaging is gaining a key role in the understanding of pelvic floor disorders. Three-dimensional endoanal and endorectal ultrasonography (3D-EAUS/3D ERUS), three-dimensional endovaginal ultrasonography (3D-EVUS) and dynamic transperineal US (DTPUS) are nowadays increasingly used in clinical practice for patients suffering from pelvic floor dysfunctions (fecal and urinary incontinence, pelvic organs prolapsed, obstructed defecation) and for patients with anal and rectal pathologies, either benign (anorectal sepsis) or malignant (anorectal tumors). These non-invasive techniques not only provide a superior depiction of the pelvic anatomy but also yield unique dynamic information. The new 3D technology is on the front line in the diagnostic and therapeutic work-up and is superior to 2D-US, due to the elaboration of images, achieving better accuracy in the diagnosis of complex diseases. This course is organised for all physicians who are involved or interested in pelvic floor disorders: general surgeons, gastroenterologists, radiologists, urologists and gynaecologists. Theoretical session presents the main guidelines and indications for the use of the different US techniques in clinical practice, demonstrating the endosonographic appearance of normal anatomy and common pathologic conditions of the pelvic floor. Practical session is organised in order to provide the participants with hands-on experience in the basic use of US and is designed to closely discuss specific details of the techniques. Finally the course includes a session of hands-on training on PC-3D view workstation to let each participants to review, manipulate, analyze and discuss several clinical cases under experts' advice. A number of highly regarded specialists in this area have been selected to provide their experiences on the different topics of the course.

### **COURSE OBJECTIVES**

To cover a broad spectrum of ultrasonographic techniques in pelvic floor disorders and to provide the participants with didactic education in the indications for the use of ultrasonographic imaging of pelvic floor disorders in clinical practice

To demonstrate the endosonographic appearance of normal anatomy and common benign and malignant pathologic conditions of the pelvic organs

To provide hands-on sessions to highlight technicalities of ultrasound through the broadcasting of live procedures, to allow real-time discussion between the examiners and the trainees and to improve skills of participants in ultrasound through practice on live or laptop computers under experts' tutorials

### **PARTICIPANTS**

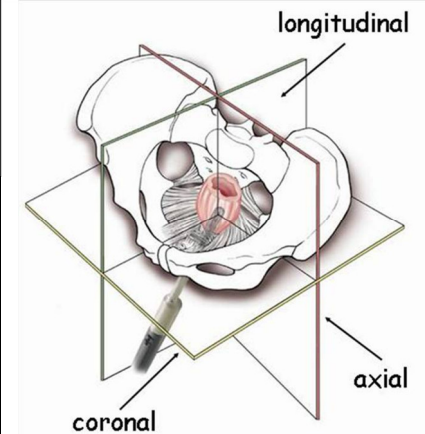
Ultrasonographic course will be limited to 20 participants

### **ORGANIZING SECRETARIAT**



**congress &  
communication**

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**INVITED FACULTY:**

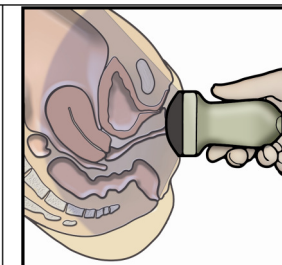
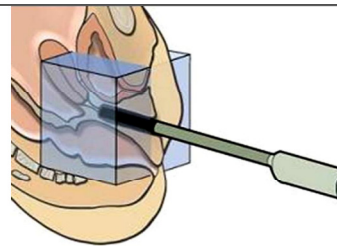
M. BARBAN	TREVISO-I
L. CANSIAN	TREVISO-I
G. DI FALCO	TREVISO-I
S.DING	NAJING- CHINA
H. HERAS	TREVISO-I
A. INFANTINO	S.VITO AL TAGLIAMENTO-I
F. MUGGIA	TREVISO-I
C. PASTORE	TREVISO-I
V. PILONI	ANCONA-I-
G.A. SANTORO	TREVISO-I
S.A. SHOBEIRI	OKLAHOMA CITY-USA
A. SONCIN	TREVISO-I
A. STANKIEWICZ	LUBLIN-P
M. TESSARIN	POLONIA-I
M.TROMPETTO	NOVARA-I
G. TUCCITTO	TREVISO-I
P. WIECZOREK	LUBLIN-P

**November 23rd, 2011**

- 12:00 pm** Registration (congress Room-Regional Hospital, Treviso)  
**12:45 pm** Opening of XIV° Course of Pelvic Floor Ultrasonography  
G.Di Falco, Course Director – M.Tessarin, Hospital Director

**THEORETICAL SESSION**

- 1:00- 1:30pm** Pelvic Floor Anatomy - **S.A. Shobeiri**  
**1:30- 2:00pm** Techniques of Pelvic Floor Ultrasonography (Endovaginal, Endoanal, Endorectal, Transperineal US) and Images Interpretation of Normal Pelvic Floor Anatomy - **G.A. Santoro**  
**2:00-2:30 pm** Ultrasonographic Assessment of Anterior Compartment Disorders (Urinary Incontinence, Cystocele, Voiding Dysfunction, Images of Tapes and Meshes)- **P. Wiczorek**  
**2:30-3:10 pm** Ultrasonographic Assesment of Posterior Compartment Disorders (Fecal Incontinece, Posterior Vaginal Wall Prolapse, Post-Operative Follow-Up) - **G.A. Santoro-V.Piloni**  
**3:10-3:30 pm** 3D Transperineal US in the Assessment of Pelvic Organ Prolapse - **F. Muggia**  
**3:30-4:00 pm** *Coffee Break*



**November 23<sup>rd</sup>, 2011**

**LIVE ULTRASOUND SESSION AND HANDS-ON LAB SESSION**

**Chairs: C. Pastore, G. Tuccitto**

**Examiners: F. Muggia, G.A. Santoro, P. Wiczorek, Course Participants**

**4:00- 6:00 pm US Demonstrations**

- Fecal and Urinary Incontinence
- Pelvic Organ Prolapse

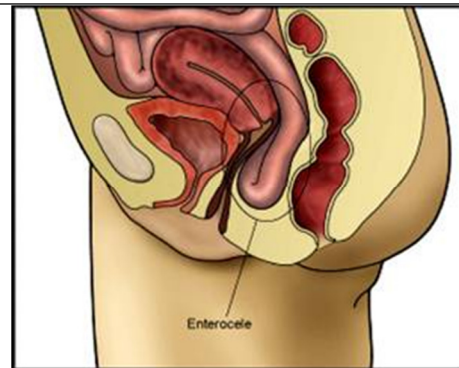
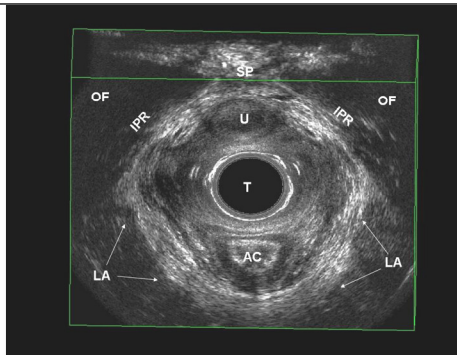
**THEORETICAL SESSION**

**6:00-6:30 pm Surgical Treatment of Pelvic Organ Prolapse –  
S.A. Shobeiri**

**6:30-7:00 pm Pelvic Floor Rehabilitation and Biofeedback in  
Dyssynergic Defecation – A. Soncin – S. Ding**

**7:00-7:20 pm Surgical Treatment of Fecal Incontinence  
Treatment of Haemorrhoids with THD  
A. Infantino**

**7:20-7:30 pm Discussion and Adjorn**



**November 24<sup>th</sup>, 2011**

**8:30-9:00 am Ultrasonographic Assessment of Perianal  
Abscesses and Fistulas – G.A. Santoro**

**9:00 am Coffee Break**

**LIVE ULTRASOUND SESSION AND HANDS – ON LAB SESSION**

**Chairs: C. Pastore, M. Barban**

**Examiners: G.A. Santoro, Course Participants**

**9 :00 am-1 :00 pm US Demonstrations**

- Perianal Abscesses
- Perianal Fistulas

**1:00 pm Lunch**

**2:00-2:30 pm Ultrasonographic Assesment of Anorectal Tumors –  
G.A. Santoro**

**LIVE ULTRASOUND SESSION AND HANDS – ON LAB SESSION**

**Chairs: G. Di Falco**

**Examiners:, G.A. Santoro, H. Heras, L. Cancian, Course Participants**

**2:30-5:30 pm US Demonstrations**

- AnoRectal Tumors

**THEORETICAL SESSION**

**5:30-6:00 pm Surgical Treatment of Rectal Tumors - G. Di Falco**

**6:00-6:30 pm Surgical Treatment of Perianal Fistulas – M. Trompetto**

**6:30-6:45 pm Discussion and Adjorn**

**8:00 pm Course Dinner (Ristorante l'Incontro)**

**November 25<sup>th</sup>, 2011**

**8:30-9:00 am** Ultrasonographic Assessment:  
What Should we Report? – **A.Stankiewicz**

**9:00 am** *Coffee Break*

**HANDS-ON TRAINING SESSION ON WORKSTATIONS**

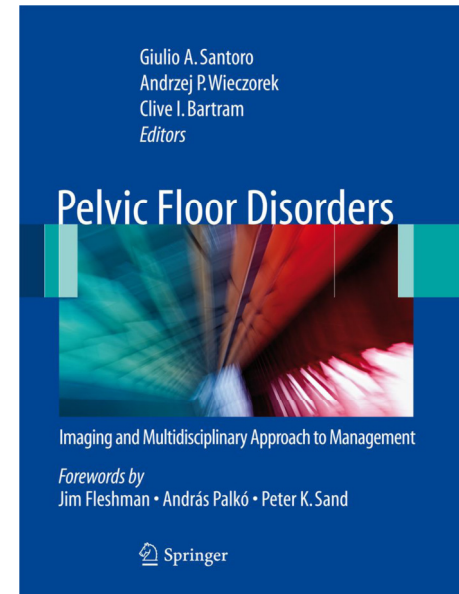
**Tutors: G.A.Santoro, A. Stankiewicz**

**9:00-11:30 am** Each participants will use the BK-3D Viewer for reviewing, manipulating, analyzing and discussing several clinical cases examined by 3D-Endoanal, 3D-Endorectal, 3D-Endovaginal and Dynamic Transperineal Ultrasound under experts' advice

**11:30-12:30 am** Discussion of selected clinical cases with participants

**12:30 am-1:30 pm** Closing remarks  
Evaluations Test and certificates of attendance  
**G. Di Falco, Course Director**

Con il Patrocino di



G. Santoro, Regional Hospital Ca Foncello, Treviso, Italy; A.P. Wiczorek, University of Lublin, Poland; C.I. Bartram, St. Marks Hospital, London (Eds.)

**Pelvic Floor Disorders**

Imaging and Multidisciplinary Approach to Management  
Dramatic improvement in imaging techniques (3D ultrasonography, dynamic magnetic resonance) allows greater insight into the complex anatomy of the pelvic floor and its pathological modifications. Obstetrical events leading to fecal and urinary incontinence in women, the development of pelvic organ prolapse, and mechanism of voiding dysfunction and obstructed defecation can now be accurately assessed, which is fundamental for appropriate treatment decision making. This book is written for gynecologists, colorectal surgeons, urologists, radiologists, and gastroenterologists with a special interest in this field of medicine. It is also relevant to everyone who aspires to improve their understanding of the fundamental principles of pelvic floor disorders.... more on <http://springer.com/978-88-470-1541-8>  
[alessandra.born@springer.com](mailto:alessandra.born@springer.com)