



2010

HANDS-ON WORKSHOP ON CT-COLONOGRAPHY (CTC)

13th ESGAR CT-Colonography Workshop (CTC)

September 23 – 25, 2010

Cascais (Lisbon), Portugal



Table of contents

Impressum	Page	2
Invitation	Page	3
Introduction	Page	4
Learning objectives	Page	5
Programme	Page	6
Registration	Page	10
Accreditation and Accommodation	Page	11
General information	Page	12
Future ESGAR activities	Page	16

International faculty

R. Bouzas (Vigo/ES)
D. Burling (Harrow/UK)
F. Caseiro-Alves (Coimbra/PT)
R. Ferrari (Latina/IT)
P. Figueiredo (Coimbra/PT)
R. Frost (Salisbury/UK)
A. Graser (Munich/DE)
S. Halligan (London/UK)
M. Hellström (Gothenburg/SE)
P. Hein (Berlin/DE)
F. Iafrate (Rome/IT)
G. Iussich (Turin/IT)
C. Kay (Bradford/UK)
A. Laghi (Latina/IT)
P. Lefere (Roeselare/BE)
T. Mang (Vienna/AT)
E. Neri (Pisa/IT)
I. Nobre (Lisbon/PT)
D. Regge (Turin/IT)
P. Rogalla (Toronto/CA)
J. Stoker (Amsterdam/NL)
S.A. Taylor (London/UK)
J. Venancio (Lisbon/PT)

Workshop venue

Hotel Cascais Miragem
Av. Marginal n.8554
PT – 2775-536 Cascais / PORTUGAL

Workshop organiser

Prof. Filipe Caseiro-Alves

Faculdade Medicina Coimbra
Hospital da Universidade de Coimbra
Department of Radiology
Praceta Mota Pinto
PT – 3030 Coimbra / PORTUGAL

Organising secretariat

Central ESGAR Office

Neutorgasse 9
AT – 1010 Vienna / AUSTRIA
Phone: +43 1 535 89 27
Fax: +43 1 535 70 37
E-Mail: office@esgar.org
Website: www.esgar.org

Conference language

The meeting will be held in English.

Invitation

Dear Colleagues,

CTC has evolved rapidly from a research tool to a well established, mature technique, ready for prime time in the clinical scenario. All the work and effort put by our colleagues in Europe and around the world to develop the technique and to enhance its diagnostic capabilities to unprecedented limits is amazing. In fact, CT-Colonography is one of the scientific areas of radiology where research and education have been extremely active. ESGAR is surely in the middle of all these endeavours and since its inception has been its leader and promoter, culminating in the creation of a large body of opinion with the most prolific and recognised opinion makers in the field.

As it has been largely recognised, proper post-graduate education is the most important factor to be able to run, perform and interpret CTC examinations successfully. This is the reason why ESGAR has launched this ambitious CTC workshop programme, which gives all radiologists and residents a fully understandable opportunity to enhance their skills.


The CTC course is held by a well known international faculty and the scientific programme aims to educate on principles, protocols and clinical indications of the technique. Acknowledging that CTC is clearly a “hands-on technique” the workshop has extensive opportunities for the trainees to work around the various workstations coming from all major vendors and mimicking each one’s working environment.

Furthermore, I would like to invite and welcome you to Lisbon, more properly to Cascais, one of the beautiful Atlantic Ocean forefronts that everybody will be able to enjoy and profit to socialise in a relaxed, warm atmosphere.

I hope that my arguments will be enough to trigger your interest and that we can join science and education together with leisure on this admirable location.

Don't forget, come to Cascais, we are waiting for you in September 2010.

With my best regards,



Filipe Caseiro-Alves

Introduction

CT-Colonography (CTC) has been proven to be a viable alternative to double contrast barium enema and colonoscopy in symptomatic patients, accurate and with good acceptance. It is also considered to be a potential screening technique for colorectal cancer. At present CTC is being introduced in many institutions. Performance and especially the evaluation of CTC require specific knowledge and skills. In 2003, ESGAR introduced hands-on workshops on CTC.

The workshops are specifically aimed at providing practical skills and information; both for those considering starting CTC at their institution as well as for experienced individuals. These practical skills and information are provided in several formats: 'How I do it' presentations, presentations on new developments (bowel tagging, image processing), discussion sessions and hands-on training on workstations by international experts. Workstations of several vendors are available, giving the possibility to obtain experience with different workstations and software.

Learning objectives

- To recall the epidemiology of colorectal cancer.
- To learn the pros and cons of currently available diagnostic techniques for colorectal cancer.
- To describe the technique of state of the art CT-Colonography.
- To describe the role and technique of faecal tagging in Colonography.
- To define the role of CT-Colonography in diagnosing colorectal cancer.
- To learn the CT-Colonography characteristics of colorectal polyps and colorectal cancer.
- To learn the pitfalls in CT-Colonography.
- To describe the role of CT-Colonography versus MR Colonography.
- To describe the post processing techniques currently exploited in evaluation of CT-Colonography data with their pros and cons.
- To outline the future perspectives of CT-Colonography.
- To obtain hands-on experience in evaluating CT-Colonography studies, both without and with faecal tagging.
- To obtain hands-on experience with the use of several CT-Colonography evaluation techniques (two-dimensional, three-dimensional).
- To obtain hands-on experience with several types of workstations with dedicated software for evaluation of CT-Colonography studies.

Programme – Thursday, September 23, 2010

13:45	Registration
13:40 – 13:45	Introduction to CTC workshop A. Laghi (Latina/IT)
13:45 – 15:15	Technical basis of CTC: Preparation, image acquisition, complications Chairman: F. Caseiro-Alves (Coimbra/PT)
13:45 – 14:15	Bowel preparation and faecal tagging P. Lefere (Roeselare/BE)
14:15 – 14:35	Practical issues (technique, insufflation) J. Stoker (Amsterdam/NL)
14:35 – 14:55	Image acquisition: technical parameters P. Rogalla (Toronto/CA)
14:55 – 15:15	Complications (perforation, cardiovascular effects) S.A. Taylor (London/UK)
15:15 – 15:45	Coffee break
15:45 – 17:45	2D – 3D First approach: face to face Chairman: S.A. Taylor (London/UK)
15:45 – 16:05	Basic reading technique, primary 2D and 3D C. Kay (Bradford/UK)
16:05 – 16:25	Pitfalls in interpreting CTC P. Lefere (Roeselare/BE)
16:25 – 16:45	How to set up a CTC service D. Burling (Harrow/UK)
16:45 – 17:05	How to report CTC E. Neri (Pisa/IT)
17:05 – 17:45	Panel discussion: Q&A Moderator: A. Laghi (Latina/IT) Panellists: all speakers of previous two sessions
17:45 – 18:00	Coffee break
18:00 – 19:00	Familiarisation with the different workstations available for the hands-on sessions (Vendor rotation) Moderator: I. Nobre (Lisbon/PT)

Programme – Friday, September 24, 2010

08:30 – 09:30 **Interactive Teaching**

- 08:30 – 08:45 Teaching on workstation – normal anatomy
G. Iussich (Turin/IT)
- 08:45 – 09:00 Teaching on workstation – cancer
F. Iafrate (Latina/IT)
- 09:00 – 09:30 Teaching on workstation - polyps and pitfalls
A. Graser (Munich/DE)
-

09:30 – 10:30 **Cancer cases**

- 09:30 – 10:15 Cancer cases for review
Participants to review specific cases
- 10:15 – 10:30 Case review and discussion
R. Bouzas (Vigo/ES)
-

10:30 – 11:00 **Coffee break**

11:00 – 12:00 **Polyp cases**

- 11:00 – 11:45 Polyp cases for review
Participants to review specific cases
- 11:45 – 12:00 Case review and discussion
I. Nobre (Lisbon/PT)
-

12:00 – 13:00 **Difficult cases 1**

- 12:00 – 12:45 Difficult cases for review
Participants to review specific cases
- 12:45 – 13:00 Case review and discussion
T. Mang (Vienna/AT)
-

13:00 – 14:00 **Lunch**

Programme – Friday, September 24, 2010

14:00 – 15:00

CAD

Moderator: S. Halligan (London/UK)

The role of CAD (14:00 – 14:20)

D. Regge (Turin/IT)

How to manage a case with CAD – case review with CAD (14:20 – 14:40)

S. Halligan (London/UK)

Panel discussion: CAD (14:40 – 15:00)

15:00 – 16:00

Workstations

Moderator: J. Venancio (Lisbon/PT)

16:00 – 16:30

Coffee break

16:30 – 17:30

Difficult cases 2

16:30 – 17:15

Difficult cases for review

Participants to review specific cases

17:15 – 17:30

Case review and discussion

G. Iussich (Turin/IT)

17:30 – 18:30

Difficult cases – ICV

17:30 – 18:15

Difficult cases for review

Participants to review specific cases

18:15 – 18:30

Case review and discussion

P. Hein (Berlin/DE)

Programme – Saturday, September 25, 2010

08:30 – 10:30 **Facts and controversies**

Moderator: R. Frost (Salisbury/UK)

08:30 – 08:50 Study results and indications

A. Laghi (Latina/IT)

08:50 – 09:10 Extra-colonic findings

M. Hellström (Gothenburg/SE)

09:10 – 09:30 New colonoscopic techniques for polyps and CRC

(Gastroenterologist's view)

P. Figueiredo (Coimbra/PT)

09:30 – 10:30 **Round Table: Hot topics in colorectal cancer: multidisciplinary discussion**

Moderator: R. Frost (Salisbury/UK), F. Caseiro-Alves (Coimbra/PT)

Panellists: P. Figueiredo, S. Halligan, M. Hellström, A. Laghi, P. Lefere,
D. Regge, P. Rogalla, J. Stoker, S.A. Taylor

10:30 – 11:00 **Coffee break**

11:00 – 12:00 **“Blind” cases**

11:00 – 11:45 “Blind” cases for review

Participants to review specific cases

11:45 – 12:00 Case review and discussion

F. Caseiro-Alves (Coimbra/PT)

12:00 – 12:45 **Unusual cases from the experts**

Moderator: F. Caseiro-Alves (Coimbra/PT), J. Stoker (Amsterdam/NL)

12:45 – 13:00 Questions and answers and closing remarks

Registration

Registration Fees:

Radiologists, Physicians

ESGAR Members	€ 590.00
Non Members	€ 750.00

Radiologists in Training (Residents)

ESGAR Members	€ 350.00
Non Members	€ 400.00

Radiographers

€ 400.00

Commercial/Industry employees

(Sponsoring companies only)

Corporate Members	€ 590.00
Non Members	€ 750.00

Registration fee includes:

- access to lectures and hands-on training
- final programme/syllabus
- coffee breaks
- lunches or lunchbox
- certificate of attendance
- E-Learning tool

Please register on-line via the ESGAR website www.esgar.org.

The number of participants per workshop is limited and registrations will be accepted on a first come first served basis. Together with the registration payment is necessary. Registrations as Radiologist in Training (Resident) or Radiographer must be accompanied by a confirmation of the head of the department confirming the status as Resident or Radiographer.

Deadline / Cancellation policies:

Registrations must be received by the Central ESGAR Office by August 9, 2010. In case the minimum number of participants has not been reached by this time, the organiser reserves the right to cancel the workshop. In case the workshop is cancelled by the organiser, registration fees will be refunded in full. In case of cancellation by the participant before August 9, 2010 the registration fee less 10% administration fee will be refunded. In case of cancellation by the participant after August 9, 2010 no refund can be made unless places can be sold otherwise. All refunds will be made after the workshop.

Accreditation

ESGAR, the European Society of Gastrointestinal and Abdominal Radiology is accredited by the European Accreditation Council for Continuing Medical Education (EACCME).

The EACCME is an institution of the European Union of Medical Specialists (UEMS). The number of CME credits awarded to the 13th Hands-on Workshop on CT-Colonography is pending and will be announced on the ESGAR website.

Accommodation

Special room rates at the workshop hotel “Cascais Miragem” are available for participants of the CTC workshop.

Hotel Cascais Miragem (Workshop venue)

Single room (incl. breakfast):	€ 165.00 (per night/per room)
Double room (incl. breakfast):	€ 185.00 (per night/per room)

Hotel Estoril Eden

Single room (incl. breakfast):	€ 122.00 (per night/per room)
Double room (incl. breakfast):	€ 140.00 (per night/per room)

Please visit the ESGAR website for further information.

Please book early in order to ensure availability.

General information

Cascais is a coastal town 30 kilometres west of Lisbon, with about 35,000 residents in the town. It is a cosmopolitan suburb of the Portuguese capital and one of the richest municipalities in Portugal. The former fishing village gained fame as a resort for Portugal's royal family in the late 1800s and early 1900s. Nowadays it is a popular vacation spot for both Portuguese and foreign tourists. Traditionally a small fishing port, Cascais has changed during the last 100 years to become one of the favourite tourist destinations in Portugal. It exudes a cosmopolitan atmosphere without losing its local flavour.

Cascais is surrounded by popular beaches such as Guincho Beach to the west, and the lush Sintra mountains to the north. Some of its shoreline is cliffy, attracting tourists for its seascapes and other natural sights such as Boca do Inferno. It is also becoming a popular golf destination, with over 10 golf courses nearby.

Wondering through the centre of town is very pleasant and you will discover charming houses, picturesque corners dotted with small cosy restaurants, cafes and shops, where you can rest until you feel like going on again. In other parts of the town you will find old palaces and luxurious villas with magnificent architecture which is worthwhile examining in detail. The Forte de S. Jorge (St. George Fort), re-opened in December 2000, was once one of the coast's most important defensive structures and is now a military

museum. The main facade was rebuilt based on documents from 1796 and some divisions were used to portray scenes on what would be a normal day in the fortress.

The municipality also hosts international tennis and motorcycling events and hosted for many years the FIA F1 Portugal Grand Prix. The famous Estoril Casino is one of the largest in Europe.

Currency: Euro (EUR)

Language: Portuguese

Electricity: 230V/50Hz (European plug)

Calling Code: +351

Time Zone: GMT

To reach Cascais from Lisbon

By Plane

The most convenient airport to reach Cascais is the international airport of Lisbon "Aeroporto da Portela". There are several airlines flying into Lisbon, such as TAP Portugal, Continental Airlines, US Airways, British Airways, Air France, Egyptair, Turkish Airlines, Lufthansa, Finnair, Iberia, Easyjet and KLM.

Cascais is easily reached from Lisbon by car, (A5 Lisboa-Cascais highway), or by frequent inexpensive commuter trains. For more information, contact the airport by phone at (+351) 218 413 500.

By Bus

There is a airport shuttle bus service between the Lisbon airport and Cascais departing every hour. The ticket costs about € 8.00 and is sold on the bus by the driver. The bus conveniently leaves from the arrival area of the airport and goes all the way to Cascais. This is probably the cheapest and the most convenient form of transfer. Average time of travel indicated in the time table is 28 minutes. However, during the week days at rush hour times (Estoril-Airport in the mornings and Airport-Estoril in the afternoons), you should expect significant delays.

By Taxi

If you do not feel like waiting for the bus the alternative is taking a taxi. The approximate price of a taxi from the airport to Cascais is around € 40.00. You can pay the fare directly to the taxi driver or the fare can be prepaid within the airport arrival area to make sure that no excess fair is demanded by the taxi driver. For more information on the fares, please contact the airport information area in the arrival section.

By Train

There is a train service between Lisbon city centre and Cascais (the train station for the Estoril Eden Hotel is Monte Estoril). Trains are comfortable and they go every 20 minutes (more on rush hours) They leave from the harbour region Cais Sodre in downtown Lisbon, which can be reached from the

airport area by bus or by taxi. The train takes about 25 minutes and costs about € 1.50.

Get around in Cascais

The town is small enough to explore entirely by foot. Uphill, beyond the town centre there are numerous narrow cobbled streets with interesting architecture, plants and animals to see.

By Bicycle

Riding a bicycle in Cascais is one of the “must do” things. From the beach you can venture further up the hill towards the westernmost point of continental Europe mainland and even Sintra using the nice roads while crossing the heart of this incredible nature reserve so close to the capital city of Lisbon

Bicycles are available from several locations around the town. The tourist office will have further information.

By Bus

A looped bus line, BusCas, serves the town and the nearby surrounding area. For travelling further afield there is an extensive bus service, mainly operating from the bus station beneath the shopping centre opposite the train station. Taxis are always available and easy enough to find in the centre of town.

General information

Attractions

One of the most outstanding palaces is the Palácio de Conde de Castro Guimarães that is open to the public and exhibits its own grand private collection that includes over 25,000 books and such rarities as an illustrated book by Duarte Galvão (1455 – 1517). Also, most of the pre-historic finds from the Grutas de Alapraia are stored here. These were a series of underground caves only discovered in the late 19th Century. The Grutas do Poço Velho are located in the centre of the town and date back to the Neolithic period. On a much more modest scale is the Museu do Mar that depicts the story of Cascais and its fishing history.

Just outside the town is the famous Boca do Inferno in which the sea on rougher days hammers into the rock and creates a booming noise and a spectacular spray thus creating its name which in English means “mouth of hell”.

Today, Cascais now boasts a smart new Marina with lovely yachts adding a further attraction to the town.

The Parque Palmela is an attractive park created by the Duques de Palmela and now maintained by the Town Hall and in which open-air concerts are often held.

Within easy reach of Cascais is the famous beach at Guincho with its high waves that attract windsurfers from all around the world as having some of the best rollers in Europe.

The next town to the east of Cascais is the resort town of Estoril with its popular Casino. You can walk to Estoril from Cascais along the beachfront esplanade, passing many beachside bars and restaurants.

To the north and within easy reach is the romantic and fascinating town of Sintra and which was made famous too foreigners after a glowing account of its splendours recorded by Lord Byron.



Please take note of future ESGAR activities

ANNUAL MEETINGS

ESGAR 2010

21st Annual Meeting and Postgraduate Course
Dresden, Germany / June 2 – 5
Meeting President: M. Laniado

ESGAR 2011

22nd Annual Meeting and Postgraduate Course
Venice, Italy / May 21 – 24
Meeting President: G. Morana

CT-COLONOGRAPHY WORKSHOPS 2010/2011

14th ESGAR Hands-on Workshop on CT-Colonography

Gothenburg, Sweden / April 13 – 15, 2011
Workshop organiser: M. Hellström

15th ESGAR Hands-on Workshop on CT-Colonography

Dublin, Ireland / September 14 – 16, 2011
Workshop organisers: H. Fenlon, M. Morrin

GE Doctor to Doctor Training on CT-Colonography

“Getting started with CTC” – Buc, France / February 18 – 19, 2010; Meeting language: English
“Advanced Course” – Buc, France / May 6 – 7, 2010; Meeting language: French
“Getting started with CTC” – Buc, France / October, 2010; Meeting language: French

Further information is available on the ESGAR website www.esgar.org

Organising Secretariat

Central ESGAR Office
Neutorgasse 9
AT – 1010 Vienna, Austria

Phone: +43 1 535 89 27
Fax: +43 1 535 70 37
E-Mail: office@esgar.org

www.esgar.org