



EUROPEAN ASSOCIATION
FOR CRANIO-MAXILLO-FACIAL SURGERY
E.A.C.M.F.S.



SOCIETÀ ITALIANA
CHIRURGIA MAXILLO-FACCIALE
SICMF

NEW HORIZONS IN ORTHOGNATHIC SURGERY NH14

Guest of Honour

Prof. Hugo L. Obwegeser, Zürich - Switzerland

FERRARA - Cona, Italy
February 28th - March 1st 2014

Program



SCIENTIFIC COMMITTEE

MANLIO GALIÈ, M.D., D.M.D., FEBOMFS
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Reference Center for Treatment of Rare
Diseases
St. Anna Hospital & University
FERRARA, Cona, Italy

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UNDER THE AUSPICES



EUROPEAN ASSOCIATION
FOR CRANIO-MAXILLO-FACIAL
SURGERY (E.A.C.M.F.S.)



SOCIETÀ ITALIANA
CHIRURGIA MAXILLO-FACCIALE



SIDO
SOCIETÀ ITALIANA
DI ORTODONZIA



SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Ospedaliero - Universitaria di Ferrara



UNIVERSITÀ
DEGLI STUDI
DI FERRARA
EX LABORIBUS FRUCTUS



ORDINE DEI MEDICI CHIRURGHI
E DEGLI ODONTOLATRI DELLA
PROVINCIA DI FERRARA

Hugo.L.Obwegeser
Mandibular Growth Anomalies
Springer-Verlag Berlin Heidelberg 2001

Chapter 6

From the 61 Principles in Treatment Planning of Facial Skeletal Anomalies

.....
Principle No.36: *“It is not difficult to find a solution to a problem, it is only difficult to identify the problem”*
.....

Principle No.42: *“Pray every day to God that you do not become blind with open eyes” (L. Obwegeser sen.)*
.....

Principle No.43: *“Learn to see, not only to look at”*
.....

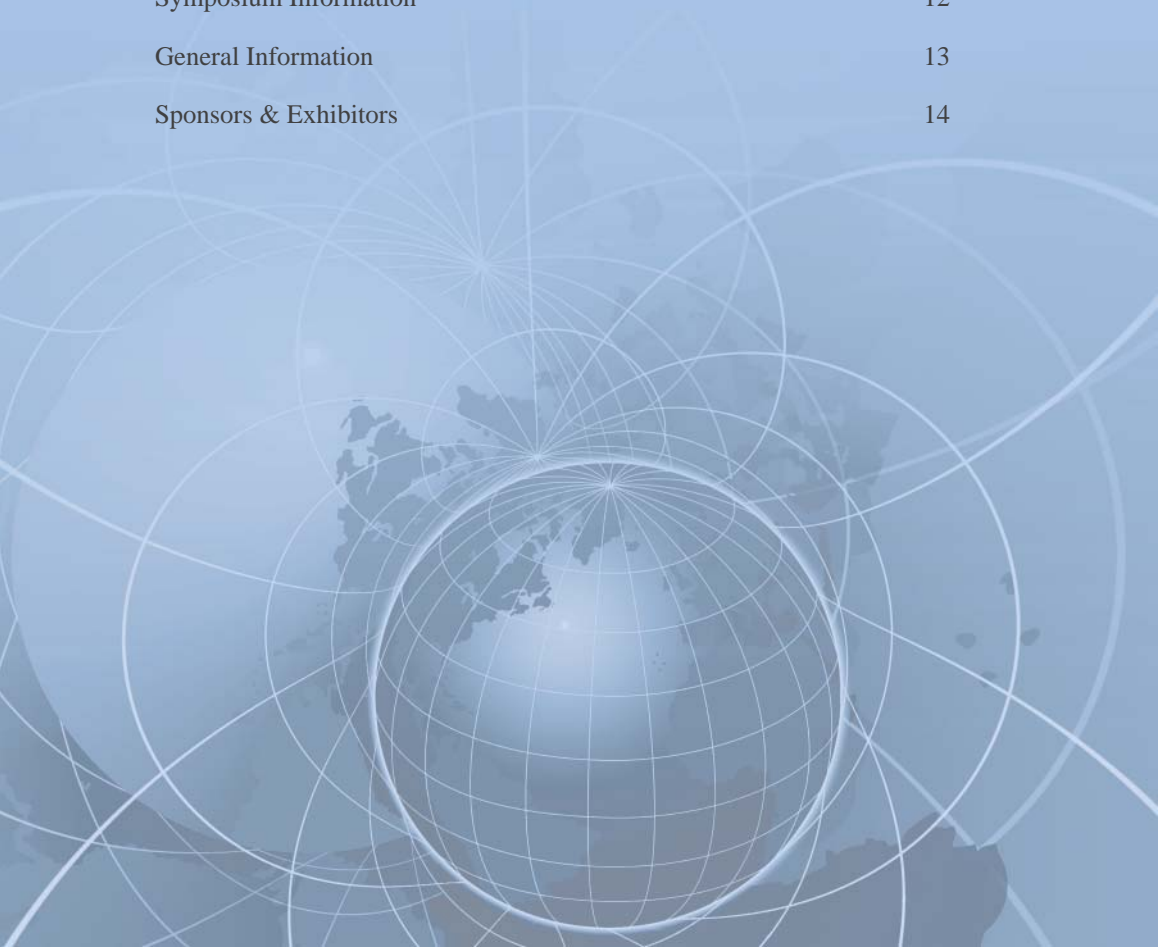
Principle No.46: *“What you don’t have in your brain, your hands cannot do”*
.....

Principle No.52: *“To recognize the negative is the first step in creating the positive”*
.....
.....

Hugo Obwegeser

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NH14 - WELCOME MESSAGE

In 1953 Prof. Hugo L. Obwegeser performed the First Bilateral Sagittal Split Osteotomy of the Mandible. Sixty years later... NH14

NH14 is dedicated to Prof. Hugo L. Obwegeser

Dear Colleagues and Friends,

It gives us great pleasure to invite you to participate in an International Symposium, New Horizons in Orthognathic Surgery 2014 - **NH14** - in Ferrara, Italy, between February 28th and March 1st 2014. In Orthognathic Surgery we face major changes in our every-day practice, and these challenges will increase in the near future, because the extraordinary advances in technology applied to our profession are not only amazing but are becoming the standard of care as they result in improved outcomes for our patients. Success is directly related to the ability and consistency of the surgical-orthodontic team to achieve predictable, stable results. The hypothesis is that a successful result is directly related to the way we take our records and perform diagnosis and treatment planning, in accordance with basic general principles.

Today we have the opportunity to plan and treat 3-dimensional problems with 3-dimensional technology. We should enter into this new era with appropriate standards to ensure better results, instead of simply using these new tools, which will clearly demonstrate not only to us, but to everyone, what we do when we perform orthognathic surgery.

NH14 will also be celebrating the 60th anniversary of the first sagittal split mandibular osteotomy which, when it was performed, on April 22 1953, by Prof. Hugo L. Obwegeser, opened up new horizons in orthognathic surgery. He developed an operation that has allowed the repositioning of a protruded mandible into a more backward position. A field, previously limited to surgery of the lower jaw to correct prognathism, had been expanded to unlimited possibilities.

Internationally famous speakers including the pioneer of this surgery and Guest of Honour, Professor Hugo L. Obwegeser, will be presenting lectures in the symposium on specific topics.

NH14 represents an excellent updating opportunity to see the latest scientific developments, future trends and products through lectures and a trade exhibition.

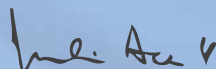
It would be a great pleasure to welcome you to Ferrara and to be your host, both scientifically and socially. We trust that you will find the scientific programme to be educational, the social program enjoyable, and the whole event rewarding.

We look forward to seeing you in Ferrara for an unforgettable Symposium and experience that will be remembered for years to come.

With all the best,



Prof. Luigi C. Clauser M.D., D.M.D., FEBOMFS
Chairman
Past President EACMFS
Director and Chief Unit of Cranio Maxillo-Facial Surgery
Reference Center for Treatment of Rare Diseases
St. Anna Hospital & University
Ferrara, Italy



Prof. Julio Acero M.D., D.M.D., PhD., FEBOMFS
Co-Chairman
EACMFS Education and Training Officer
President Elect IAOMS
Chair of Dept. of Oral and Maxillo-Facial Surgery
Ramon y Cajal University Hospital
Madrid, Spain

ADDRESS FROM PROF. HUGO L. OBWEGESER



Hugo L. Obwegeser M.D., D.M.D.,
Prof.em., DDr.h.c., Hon. F.R.C.S. (Engl.)
Zürich, Switzerland
Founder of the European Association for
Cranio-Maxillo-Facial Surgery

Professor Luigi Clauser M.D., D.M.D.
Director and Chief, Department of Cranio Maxillo-Facial Surgery
St. Anna Hospital
University of Ferrara
Ferrara, Italy

Dear Friend Luigi,

First of all I want to thank you for your kind Fax letter, that reached me a few days ago.

I am privileged by your kind offer to have the conference running in my honour. Of course I was the one who introduced almost all the procedures for correcting anomalies or abnormal positions of the maxilla and the mandible by rather safe standard procedures and also who introduced a transoral technique for the correction of chin anomalies.

I was also the first to produce and suggest a *simultaneous Le Fort III plus Le Fort I* in cases of severe hypoplasia and retromaxillism. Nowadays these techniques are executed every day in almost every country around the world to the benefit of the patients and also of a large numbers of surgeons. For that reason I consider your planned conference as a landmark in orthognathic surgery.

It will be, of course, a great honour for me to be present and perhaps also deliver a lecture on the most fascinating and complicated subject in orthognathic surgery.

On a similar symposium organized by Joachim in fall last year he asked me to talk about "*Pioneer Steps in Correcting Secondary Cleft Lip and Palate Deformities*": In my opinion it was probably my best lecture I ever delivered. There is still plenty of time to organize your conference. So we will be in touch again.

With my thanks and compliments I remain in old friendship yours sincerely,



Hugo L. Obwegeser

Zürich, February 12, 2013

WELCOME TO FERRARA ... AND TO ITALY

A TRIP TO ITALY is always a discovery. More than half of the world's historic and artistic heritage is located in this country. The works of art that Italy boasts date back to different epochs and yet are geographically very close. On the same day and in the same city one can easily visit a Roman archaeological site, a baroque church and a modern art museum. Evidence of the past and its rich history can be found everywhere. From fine wines and exceptional cuisine to the magnificent art treasures and historical sites, to music, dance and more, culture passed down from century to century.

THE HISTORY OF FERRARA dates back around 1300 years when Ferrara was a Byzantine military castrum (fortified city). In 1391 after the founding of the University, which is one of the oldest Italian and European Universities, Ferrara became an important intellectual and artistic centre and one of the most opulent courts of the Renaissance. This ancient city lying on the Po river valley, shows the tourists the magical atmosphere of its past with its red brick walls and the tree-lined avenues.

From 1995 UNESCO has included the historical centre of Ferrara in the list of World Cultural Heritage as a splendid example of a town planned in the Renaissance and still keeping its historical centre intact.

LEARNING OBJECTIVES

- A Faculty of experienced and world known surgeons will analyze all the fields of Orthognathic Surgery
- Clinical and technical innovations have occurred in Orthognathic Surgery in the last years, and new horizons have been opened to surgeons and orthodontists
- Software surgical simulations, 3D evolution, intraoperative navigation, new surgical and orthodontic technologies, distraction osteogenesis and surgical alternatives are today the essential topics in Orthognathic Surgery
- All these topics will be discussed amongst the specialists and the audience

PROGRAM HIGHLIGHTS

Clinically relevant programs in key areas of Orthognathic Surgery, including

- Technical Innovations
- 3D Imaging & Planning
- Intraoperative Navigation
- Facial Aesthetic Surgery
- Profiloplasty
- Volumetric Improvement of Soft Tissues
- Fat Grafting in Orthognathic Surgery
- Genioplasty & Mandibular Angles
- Soft Tissue Prediction & New Software
- Orthodontic Treatment for Orthognathic Surgery
- Mandibular & Maxillary Osteotomies
- Piezosurgery
- Controversies in Orthognathic Surgery
- Complications in Orthognathic Surgery
- Distraction Osteogenesis

TARGET AUDIENCE

- Maxillo & Cranio-Facial Surgeons
- Oral & Maxillo-Facial Surgeons
- Oral & Maxillo-Facial Surgery Trainees and Residents
- Orthodontists
- Aesthetic Surgeons
- All Dental Specialists who want to be informed about current developments in Oral and Maxillo-Facial Surgery

FACULTY

Julio Acero - Madrid (Spain)
G. William Arnett - Santa Barbara, CA (USA)
Luigi Califano - Napoli (Italy)
Francesco Carinci - Ferrara (Italy)
Yu-Ray Chen - Taipei (Taiwan)
Luigi Chiarini - Modena (Italy)
Luigi C. Clauser - Ferrara (Italy)
Giuseppe Ferronato - Padova (Italy)
Manlio Galiè - Ferrara (Italy)
Daniel Hrusak - Prague (Czech Republic)
Giorgio Iannetti - Roma (Italy)
Henry K. Kawamoto - Los Angeles, CA (USA)
Winfried B. Kretschmer - Stuttgart (Germany)
Daniel M. Laskin - Richmond, VA (USA)
Gabriele Millesi - Wien (Austria)
Hugo L. Obwegeser - Zürich (Switzerland)
Joachim A. Obwegeser - Zürich (Switzerland)
Pravin K. Patel - Chigaco, IL (USA)
Vladimir R. Popovski - Skopje (Macedonia)
Nabil Samman - Hong Kong (China)
Giuseppe Siciliani - Ferrara (Italy)
Henri Thuau - London (UK)
Riccardo Tieghi - Ferrara (Italy)
Catherine Tomat - Paris (France)
Konrad Wangerin - Stuttgart (Germany)
Hans-Florian Zeilhofer - Basel (Switzerland)

SCIENTIFIC PROGRAM

FRIDAY, FEBRUARY 28TH 2014

7:30 AM REGISTRATION
EXHIBITS OPENING

8:30 **Welcome & Opening**
Luigi C. Clauser - Symposium Chairman, Past President EACMFS
Daniel Hrusak - President EACMFS
Henri Thuau - EACMFS Secretary General
Manlio Galiè - EACMFS Executive Advisor
Angelo Campobassi - President SICMF
Julio Acero - Symposium Co-Chairman, EACMFS Education and Training Officer, President Elect IAOMS
“New Horizons in Orthognathic Surgery, Ferrara 2014: An Introduction”
Local Authorities

MORNING SESSION I
Chairpersons: Francesco Carinci, Daniel Hrusak, Vladimir R. Popovski, Konrad Wangerin

9:10 - 9:30 **Profile Treatment Planning**
G. William Arnett, Santa Barbara, CA - USA

9:30 - 9:50 **Management of Condylar Resorption before, during, after Orthognathic Surgery**
G. William Arnett, Santa Barbara, CA - USA

9:50 - 10:10 **Orthognathic Surgery: Then, Now and the Future**
Henry K. Kawamoto, Los Angeles, CA - USA

10:10 - 10:30 **Evolution of Orthognathic Surgery: Our Experience**
Giorgio Iannetti, Roma - Italy

10:30 - 10:50 **Computer Assisted Planning and Navigation in Orthognathic Surgery**
Hans-Florian Zeilhofer, Basel - Switzerland

10:50 - 11:10 OPEN MICROPHONE SESSION

11:10 - 11:40 COFFEE - EXHIBITS

11:40 - 1:00 PM **SPECIAL LECTURE & CEREMONY**
GUEST OF HONOUR: Prof. Hugo L. Obwegeser, Zürich - Switzerland
“Pioneer Steps in Correcting Secondary Cleft Lip and Palate Deformities”

INTRODUCTION: Luigi C. Clauser, Julio Acero, Daniel Hrusak, Henri Thuau,
Henry K. Kawamoto, Nabil Samman, Joachim A. Obwegeser

1:00 - 2:00 **LEARN & LUNCH WORKSHOP: “PIEZOSURGERY IN MAXILLO FACIAL OSTEOTOMIES”**
(Limited to 50 participants regularly registered to the Symposium)

1:00 - 2:00 **LUNCH - EXHIBITS**

AFTERNOON SESSION II

Chairpersons: Yu-Ray Chen, Giorgio Iannetti, Winfried B. Kretschmer,
Gabriele Millesi

2:00 - 2:20 **Cleft Orthognathic Surgery**
Nabil Samman, Hong Kong - China

2:20 - 2:40 **Aesthetic and Function in Orthognathic Surgical Planning: are
They always Living in Perfect Armony?**
Giuseppe Ferronato, Padova - Italy

2:40 - 3:00 **3D Statistical ID-Entification - Relevant Maths in Orthognathic
Surgery**
Henri Thuau, London - UK

3:00 - 3:20 **Advances in Digital Integration of Orthodontic Treatment with
Orthognathic Surgery**
Pravin K. Patel, Chicago, IL - USA

3:20 - 3:40 **Mandibular Osteotomies: an Overview & New Horizons**
Manlio Galiè, Ferrara - Italy

3:40 - 4:00 **OPEN MICROPHONE SESSION**

4:00 - 4:30 **COFFEE - EXHIBITS**

AFTERNOON SESSION III

Chairpersons: Manlio Galiè, Joachim A. Obwegeser, Giuseppe Siciliani,
Hans-Florian Zeilhofer

4:30 - 4:50 **Functional Impact on Pre-and Postoperative Outcome in
Orthodontics and Orthognathic Surgery**
Konrad Wangerin, Stuttgart - Germany

4:50 - 5:10 **Surgery First and One-Stent OGS - Close Team Approach
between Surgeons and Orthodontists**
Yu-Ray Chen, Taipei - Taiwan

5:10 - 5:30 **Stability of Open Bite Deformities, is “Surgery First”
an Option?**
Gabriele Millesi, Wien - Austria

5:30 - 5:50 **Surgery First OGS - Efficiency and Stability**
Yu-Ray Chen, Taipei - Taiwan

5:50 - 6:20 **OPEN MICROPHONE SESSION**

6:20 **ADJOURN**

8:30 **GET-TOGETHER DINNER & CONCERT (Hotel Duchessa Isabella - Via Palestro 70 - Ferrara)**

SATURDAY, MARCH 1ST, 2014

MORNING SESSION IV

Chairpersons: Julio Acero, Giuseppe Ferronato, Henry K. Kawamoto,
Daniel M. Laskin, Pravin K. Patel

8:00 AM **REGISTRATION
EXHIBITS OPENING**

8:30 - 8:50 **Piezosurgery in Orthognathic Surgery - The True Benefits after
12 Years Experience**
Daniel Hrusak, Prague - Czech Republic

8:50 - 9:10 **New Horizon in Distraction Osteogenesis?**
Catherine Tomat, Paris - France

9:10 - 9:30 **The Role of the Nose in Orthognathic Surgery**
Winfried B. Kretschmer, Stuttgart - Germany

9:30 - 9:50 **From Virtual Planning to Operative Reality: a Vector Guided Skeletal Repositioning and Fixation Approach to Orthognathic Surgery**

Pravin K. Patel, Chicago, IL - USA

9:50 - 10:10 **Speech Outcome in Relation to Orthognathic Surgery**

Nabil Samman, Hong Kong - China

10:10 - 10:30 **Complications in Orthognathic Surgery**

Luigi Califano, Napoli - Italy

10:30 - 11:00 *OPEN MICROPHONE SESSION*

11:00 - 11:30 *COFFEE - EXHIBITS*

MORNING SESSION V

Chairpersons: Luigi Califano, Luigi Chiarini, Luigi C. Clauser, Nabil Samman, Henri Thuau

11:30 - 11:50 **Segmental Bloc Osteotomies and Variations**

Joachim A. Obwegeser, Zürich - Switzerland

11:50 - 12:10 PM **Aesthetic Orthognathic Surgery: Control of Lower Facial Third**

Luigi C. Clauser, Riccardo Tieghi, Ferrara - Italy

12:10 - 12:30 **The Effect of Orthognathic Surgery on the Temporomandibular Joint**

Daniel M. Laskin, Richmond, VA - USA

12:30 - 12:50 **Condylar Repositioning by Means of a New Device in TMJ Disfunctional Patient**

Luigi Chiarini, Modena - Italy

12:50 - 1:10 **The Future: Unsolved Problems and ??? Solutions**

Henry K. Kawamoto, Los Angeles, CA - USA

1:10 - 1:30 *OPEN MICROPHONE SESSION - CME QUESTIONNAIRE*

1:30 *SYMPOSIUM ADJOURN - CLOSING REMARKS*

LIGHT LUNCH

REGISTRATION FEES - HOTEL ACCOMMODATION INFORMATION

FEE TYPE (22% VAT included)

	EARLY December 10 th , 2013	LATE / ON-SITE After December 11 th , 2013
Delegates	☐ €295,00	☐ €395,00
EACMFS/SICMF/SIDO Members **	☐ €220,00	☐ €320,00
Trainees *	☐ €145,00	☐ €195,00
Get-Together Dinner & Concert at Hotel Duchessa Isabella - www.duchessaisabella.it (February 28th - limited number of places)		☐ €60,00
Accompanying persons (per person)	☐ €80,00	☐ €80,00

**To qualify for "EACMFS/SICMF/SIDO Member" fees, certificate of the Society must be sent at: secretariat@nhferrara2014.org

*Certificate of training Director is mandatory and must be sent at: secretariat@nhferrara2014.org

Registrations are limited to 250 participants selected on a "first come - first served" basis

REGISTRATION FEES FOR ATTENDEES INCLUDE:

- Access to all scientific sessions and exhibit hall
- Coffee breaks
- Lunches

REGISTRATION FEES FOR ACCOMPANYING PERSONS INCLUDE:

- Access to exhibit hall
- Coffee breaks
- Lunches

CHANGES/QUESTIONS

Changes to registration will not be accepted over the telephone. Alterations must be notified in writing at: secretariat@nhferrara2014.org before **February 1st, 2014**.

HOTEL RESERVATION

A wide number of hotel rooms, at special rates for symposium delegates, have been reserved by the Organizing Secretariat. Early booking is highly recommended.

DEADLINE FOR GUARANTEED ACCOMMODATION

Accommodation cannot be guaranteed for requests received after **November 30th, 2013**. We will operate on a "first come - first served" basis with incoming requests. Reservations will only be processed if payment and handling fee are received..

CANCELLATIONS AND REFUNDS

Cancellations of registrations and/or hotel reservations must be made in writing to the Organizing Secretariat A&R Eventi sas. For cancellations received on or before **November 30th, 2013** total refund minus 50% of administrative charges will be provided.

Cancellations after this date will not be refunded for any reasons.

Refunds will be processed after the symposium.

PAYMENT DETAILS

All payments must be made in Euros to the Organizing Secretariat A&R Eventi sas, clearly stating the participant's name and address. Payment can be effected by Bank Transfer or Credit Card (Visa, Mastercard, Carta Si are accepted).

SYMPOSIUM INFORMATION

CME CREDITS

Italian Credits for CME will be requested.

DISCLOSURE POLICY

A&R Eventi sas requires all instructors and other individuals in a position to control or influence the content of an activity to disclose all relevant financial relationships or affiliations. All identified conflicts of interest must be resolved and the educational content thoroughly vetted by A&R Eventi sas for fair balance, scientific objectivity, and appropriateness of patients care recommendations. A&R Eventi sas also requires faculty/authors to disclose when off-label/unapproved uses of a product are discussed in a CME activity or included in related materials. Attendees providing comments or asking questions during presentations are also required to disclose all related commercial interests.

COFFEE BREAKS & LUNCHES

Coffee breaks and lunches are included in registration fees and will be served in several points within the symposium exhibit area.

OFFICIAL LETTER OF INVITATION

Official invitation letter can be required and issued by the symposium, upon request, without implying any obligation or financial engagement from symposium organizers.

VISA

Participants of the Countries requiring Visa should obtain documentation from the Italian Embassy or Consulate in their own Country. A valid passport is required.

RULES OF PHOTOGRAPHY & VIDEOTAPING

No cameras or other recording devices are permitted within the symposium rooms.

Please Help Us Respect and Preserve Patient Privacy and Intellectual Scientific Property Rights.

INSURANCE

It is strongly recommended that participants take out insurance to cover loss incurred in case of cancellation, medical expenses and damage to or loss of personal effects. The symposium organizers will not be responsible for any medical costs incurred by participants.

The organizers will not accept liability for personal injuries or for loss or damage to property belonging to symposium participants, either during or as a result of the symposium or during any tours.

Registration fees do not include insurance of participants against cancellation, accidents, theft or property loss.

GET-TOGETHER DINNER & CONCERT - Friday February 28th, 8.30 pm

A *Get-Together Dinner & Concert* will be held at the Restaurant Duchessa Isabella, a luxurious restaurant located in the historic center of Ferrara. The dining rooms with coffered ceilings and gold ornaments, 500 authentic lacquered doors, fireplaces, columns from ancient frescoes of brilliantly colored works by the Ferrarese school offer a particularly refined atmosphere along with the pleasure of enjoying "a gourmet invitation in the court of the Este. During the dinner there will be a concert presented by *the Sunrise Vocal Project*, six vocalists who will play pop, rhythm & blues, and evergreen.

The fee for the Get-Together Dinner & Concert is 60 Euros.

Arrival: *Individual*

Dress Code: *Smart Casual*

Web site: www.duchessaisabella.it

GENERAL INFORMATION

SYMPOSIUM VENUE

St. Anna Hospital & University
"Main Hall" - St. Anna Hospital Educational Center
Via Aldo Moro 8 - 44124
FERRARA, Cona, Italy
www.ospfe.it

OFFICIAL LANGUAGE

The official language of the symposium is English. No simultaneous translation will be provided.

SYMPOSIUM HOURS

<i>Friday, February 28th</i>	7.30 am - 6.30 pm
<i>Saturday, March 1st</i>	8.00 am - 2.00 pm

EXHIBITION

The exhibition is open to pharmaceutical companies, manufacturers of medical and surgical equipment, software equipment and scientific publishers. The industry exhibition will be located at the first floor of St. Anna Hospital and will be open from **Friday, February 28th to Saturday, March 1st 2014** during the sessions time-table.

MONEY/CURRENCY/BANKS

The official currency in Italy is Euro (€). More information about the latest currency conversion on www.xe.com/ucc.

All major credit cards are accepted in hotels, restaurants and shops. Banks are usually open from Monday to Friday from 8.30 am to 1.30 pm and from 2.30 pm to 4.00 pm.

WEATHER

Weather in February/March in Ferrara is generally quite mild. Average temperatures range from 5° to 10° Celsius Degrees. Rain is possible. Waterproof clothes are recommended.

LOCAL TIME

From the end of March until the end of October, Italian time goes from GMT+1 to GMT+2 (GMT_ Greenwich Mean Time).

ELECTRICITY

The electricity power supply in Italy has 220 Volt (European standard plug).

NO SMOKING POLICY

Smoking is severely prohibited inside the whole symposium venue.

DISABLE FACILITIES

If you require disability-specific assistance, please indicate these needs during pre-registration.

TRAVEL INFORMATION

Ferrara can be easily reached by plane, train or car.

- **By plane:** 30 Km from "G. Marconi" Bologna airport. www.bologna-airport.it
- **Shuttle bus** connections from Bologna airport to Ferrara City Center www.ferrarabusandfly.it
- **By train:** easy connections with Bologna and Padova. Intercity and Eurostar require reservation and supplementary ticket. www.trenitalia.com

