



DEPARTMENT OF NEUROSURGERY
SCHOOL OF MEDICINE
UNIVERSITY OF MESSINA, ITALY

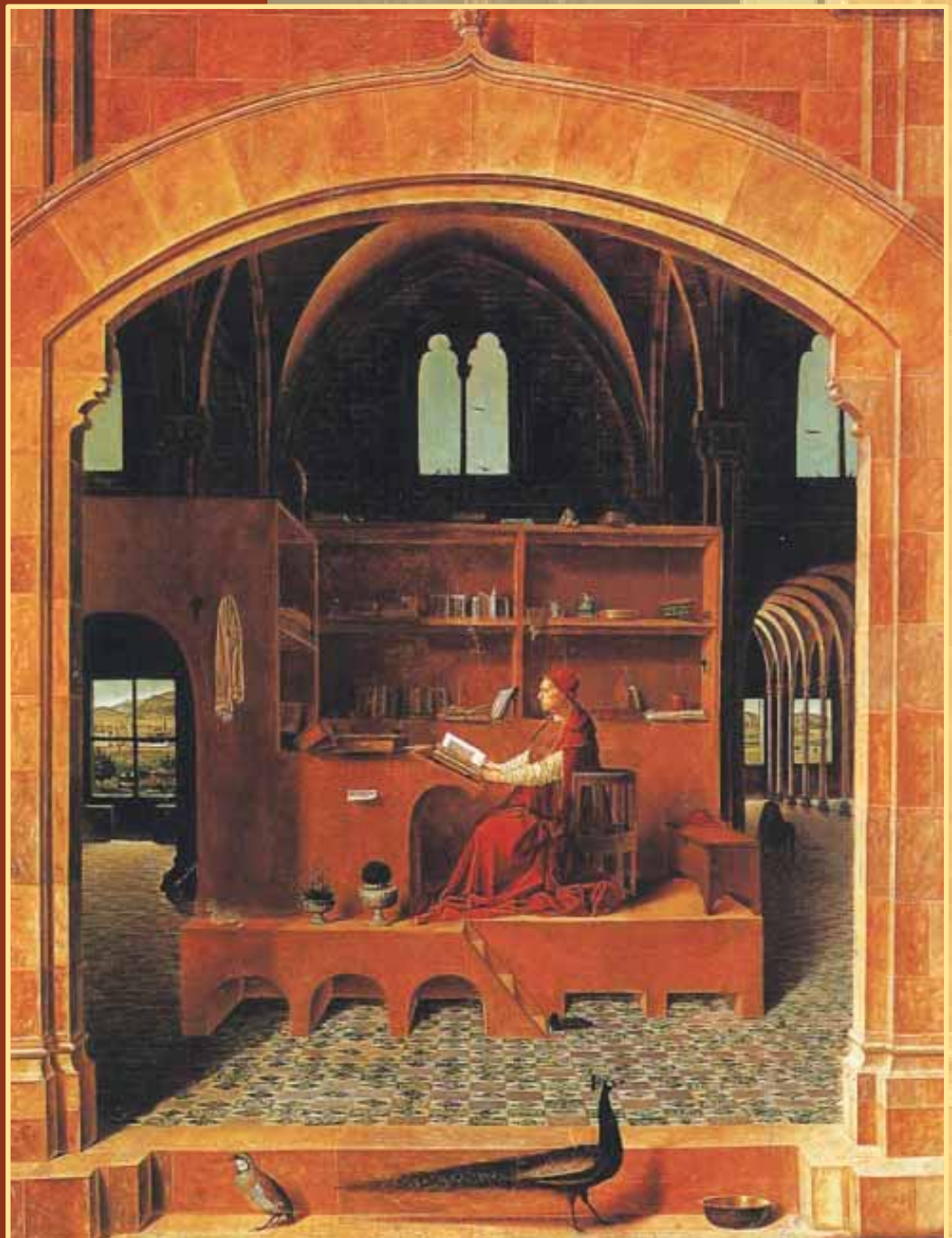
2ND MEETING ON NEUROSURGICAL

TIPS AND TRICKS

TAORMINA
MESSINA
ITALY

APRIL
15 - 17
2010

FINAL PROGRAM



*Antonello da Messina (1430-1479)
San Girolamo nello Studio - National Gallery - London*

Dear Colleagues and Friends,

I am proud to present the Second Meeting on Neurosurgical Tips and Tricks, under the patronage of the University of Messina and the Italian Society of Neurosurgery.

As in the first successful edition, the contribution of an outstanding Faculty represents a unique opportunity for the participants to learn from the Masters. For this purpose, the format of the Meeting is specifically designed to allow a wide and informal discussion. The time assigned to each lecture, in order to favor an interactive participation and to focus on key points of each presentation, will further enhance learning objectives in this educational format.

The topics span a wide spectrum of up-to-date issues characterized by recent developments in technique and technology, *radicality in eloquent areas, sellar and parasellar area, surgical treatment of spine, and surgical approaches to ventricular system*. The appropriate indication and use of new devices and technology is crucial in the education of young neurosurgeons.

The participation of Michael L. J. Apuzzo, editor of a new Journal, *World Neurosurgery*, official organ of the World Federation of Neurosurgical Societies, is an important acknowledgment of the audience representing five continents.

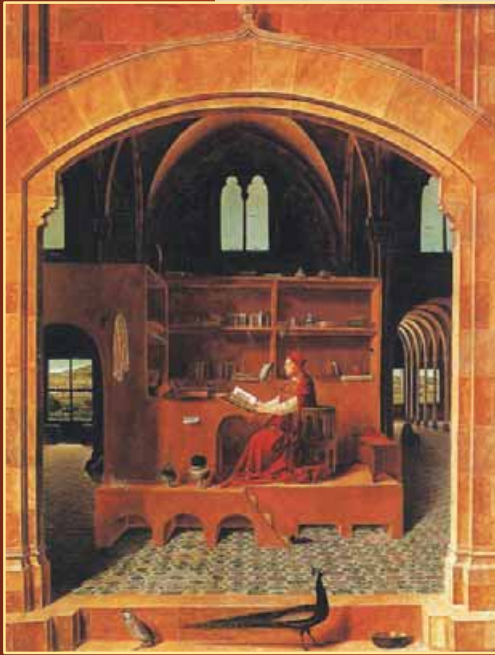
The presence of participants from all over the Europe and the Mediterranean and Middle East area, Morocco, Tunisia, Egypt, Jordan, Iran is strategically relevant since each progress in the neurosurgical knowledge should be discussed and shared in different realities.

The Meeting venue, the San Domenico Palace Hotel, hosted in 1955 the meeting of six European Ministers of Foreign Affairs, who signed the First Act leading to the birth of the European Community.

It is a great privilege to welcome you and wish a pleasant stay in the wonderful city of Taormina, the pearl of the Mediterranean Sea, in the ancient land of Sicily, one of the most important archaeological sites in the world.

Finally, it is meaningful that Francesco Durante International Awards will be assigned in a special ceremony, which will be held only six kilometers far away, in the city of Letojanni, the birthplace of the Master.

Francesco Tomasello, M.D.
Chairman of the Meeting



DESCRIPTION

An educational experience with an interactive format "Learn from the Masters"

Presentations:

One third of time: overview of the topic. Two thirds mostly focusing on operative videos with evidence of tips and tricks, key points, surgical trajectories and nuances.

Sessions:

The chairmen encourage and favor the interactive participation, promoting discussion and supporting clear messages. To achieve this goal the Meeting format allows wide and informal discussion.

Educational Objectives

At the end of the Meeting the participants will be able:

1. To evaluate the state of the art of microsurgery for intraventricular lesions; to have a clear information on the use of the endoscope in intraventricular procedures; to identify the endoscopic anatomy and to plan the appropriate approaches;
2. To update the relevant advances in neuro-oncology providing radicality and safety in eloquent brain areas;
3. To define the role of endoscopy vs microsurgery and to know approaches and anatomical landmarks of sellar and parasellar region and related diseases;
4. To correctly apply the rationale for the treatment of degenerative lesions of the spine and spinal cord tumors.

In all sessions, participants will acquire knowledge of indications and contraindications in the presented procedures, awareness of the most relevant surgical risks and insight into tips and tricks for safe procedures.

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Chairman of the Meeting

Francesco Tomasello (Messina)

Scientific Organization

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Filippo F. Angileri
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Alfredo Conti
Antonino Germano'
Domenico La Torre
Marcello Passalacqua

Local Organization

Francesco Tomasello, *Chairman*
Francesco M. Salpietro, *Director of Residency Program*
Mauro Cambria
Giovanni La Rosa
Maria Caffo
Salvatore Cardali
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Department of Neurosurgery
School of Medicine
Azienda Ospedaliera Universitaria
"Policlinico G. Martino", Messina, Italy

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FACULTY

Saleem Abdulrauf	(St Louis, MO, USA)
Umberto Agrillo	(Rome, Italy)
Vincenzo Albanese	(Catania, Italy)
Michael L. J. Apuzzo	(Los Angeles, CA, USA)
Roberto Assietti	(Milan, Italy)
Armando Basso	(Buenos Aires, Argentina)
Lorenzo Bello	(Milan, Italy)
Lucia Benvenuti	(Livorno, Italy)
Mitchel Stuart Berger	(San Francisco, CA, USA)
Antonio Bernardo	(New York, NY, USA)
Helmut Bertalanffy	(Zürich, Switzerland)
Marco Bortoluzzi	(Brescia, Italy)
Albino Bricolo	(Verona, Italy)
Giovanni Broggi	(Milan, Italy)
Fabio Calbucci	(Bologna, Italy)
Giampaolo Cantore	(Pozzilli, Italy)
Paolo Cappabianca	(Naples, Italy)
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Giuseppe Corriero	(Cosenza, Italy)
Domenico d'Avella	(Padua, Italy)
Enrico de Divitiis	(Naples, Italy)
Evandro De Oliveira	(São Paulo, Brazil)
Roberto Delfini	(Rome, Italy)
Alberto Delitala	(Rome, Italy)
Vincenzo Denaro	(Rome, Italy)
Nicola Di Lorenzo	(Florence, Italy)
Francesco DiMeco	(Milan, Italy)
Alessandro Ducati	(Turin, Italy)
Hugues Duffau	(Montpellier, France)
Vincenzo Esposito	(Pozzilli, Italy)
Rudolf Fahlbusch	(Hannover, Germany)

FACULTY

Maurizio Fornari	(Milan, Italy)
Sergio Maria Gaini	(Milan, Italy)
Renato J. Galzio	(L'Aquila, Italy)
Michelangelo Gangemi	(Naples, Italy)
Umberto Godano	(Cagliari, Italy)
Giancarlo Guizzardi	(Florence, Italy)
Gualtiero Innocenzi	(Pozzilli, Italy)
Takeshi Kawase	(Tokyo, Japan)
Francis Kilian	(Koblenz, Germany)
Charles Liu	(Los Angeles, CA, USA)
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Gianluca Maestretti	(Fribourg, Switzerland)
Giulio Maira	(Rome, Italy)
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Aldo Moraci	(Naples, Italy)
Patrick Moulin	(Nottwil, Switzerland)
Tuncalp Özgen	(Ankara, Turkey)
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Francesco Maria Salpietro	(Messina, Italy)
Antonio Santoro	(Rome, Italy)
Ibrahim Sbeih	(Amman, Jordan)
Massimo Scerrati	(Ancona, Italy)
Johannes Schramm	(Bonn, Germany)
Philip E. Stieg	(New York, NY, USA)
Charles Teo	(Randwick, Australia)
Francesco Tomasello	(Messina, Italy)
Giustino Tomei	(Varese, Italy)
Giuseppe Trincia	(Mestre, Italy)
Pietro P. Versari	(Alessandria, Italy)
Samira Zabihyan	(Mashhad, Iran)
Mario Zuccarello	(Cincinnati, OH, USA)

2nd MEETING ON
NEUROSURGICALTAORMINA, MESSINA, ITALY
APRIL 15 - 17, 2010TIPS
AND
TRICKSTHURSDAY, 15th April, 2010

Afternoon

San Domenico Palace Hotel

Sala Chiesa

- 14.00 Registration of the participants
 15.00 Opening of the Meeting
 15.15 **F. Tomasello** Chairman of the Meeting
S.M. Gaini President of the Italian Society of Neurosurgery

RADICALITY IN ELOQUENT AREAS

Chairmen:

S.M. Gaini (Milan, Italy), **C. Liu** (Los Angeles, CA, USA), **F. Tomasello** (Messina, Italy)

Each presentation will be followed by discussion with the audience
 (no less than 5 minutes of the time scheduled for each lecture)

- 15.15 Resection of AVMs in eloquent areas
 15.40 **E. De Oliveira** (San Paolo, Brazil)
- 15.40 Critical issues to consider during glioma surgery in functional areas
 16.05 **M.S. Berger** (San Francisco, CA, USA)
- 16.05 Neuro-oncology: radicality in eloquent brain areas
 16.30 **H. Duffau** (Montpellier, France)
- 16.30 Functional neuronavigation and intraoperative MRI for glioma resection in eloquent areas
 16.55 **R. Fahlbusch** (Hannover, Germany)
- 16.55 Combined use of DTI and DES for surgical removal of gliomas: tricks and pitfalls
 17.15 **L. Bello, S.M. Gaini** (Milan, Italy)
- 17.15 The challenge of seeing who will be talking
 17.35 **G. Broggi** (Milan, Italy)
- 17.35 Surgery of insular gliomas
 17.55 **V. Esposito** (Rome - Pozzilli, Italy)
- 17.55 Intramedullary tumors
 18.15 **A. Bricolo** (Verona, Italy)
- 18.15 Radicality related to the grading of brain gliomas
 18.30 **M. Scerrati** (Ancona, Italy)
- 18.30 Looking into the future: the stem cell story as the "other" approach to malignant glioma
 18.45 radical treatment
F. DiMeco (Milan, Italy)
- 18.50 **Lecture**
 19.30 Modern neurosurgery: in the realm of the implausible
M.L.J. Apuzzo (Los Angeles, CA, USA)
 Presented by: **E. de Divitiis** (Naples, Italy)

- 19.30 Welcome reception

SELLAR AND PARASELLAR AREA

Part I

Chairmen:

P. Ciappetta (Bari, Italy), J. Schramm (Bonn, Germany), G. Trincia (Mestre VE, Italy)

Each presentation will be followed by discussion with the audience
(no less than 5 minutes of the time scheduled for each lecture)

08.00 Microsurgical anatomy of sellar and parasellar region
08.30 A. Bernardo (New York, NY, USA)

08.30 Innovative surgical approaches to the sellar and parasellar region
08.55 P. Stieg (New York, NY, USA)

08.55 Image-guided comparative morphometric study of the supraorbital, transorbital and
09.20 pterional approaches to the sellar and parasellar regions
M. Zuccarello (Cincinnati, OH, USA)

09.20 Parasellar meningiomas
09.45 F. Calbucci (Bologna, Italy)

09.45 The contribution of microsurgical opening of the optic canal in parasellar meningiomas
10.00 A. Ducati (Turin, Italy)

10.00 Trigeminal schwannomas
10.25 R. Delfini (Rome, Italy)

10.25 Dumbbell parasellar and petroclival tumors. Less invasive techniques experienced in
10.50 100 cases
T. Kawase (Tokyo, Japan)

SELLAR AND PARASELLAR AREA

Part II

Chairmen:

F.M. Salpietro (Messina, Italy), C. Teo (Randwick, Australia)

Each presentation will be followed by discussion with the audience
(no less than 5 minutes of the time scheduled for each lecture)

10.50 State of the art in pituitary adenomas
11.15 A. Basso (Buenos Aires, Argentina)

11.15 The use of IOP high field MRI for surgery of pituitary tumors
11.30 V. Paternò, R. Fahlbusch (Hannover, Germany)

11.30 Tricks of endonasal transsphenoidal surgery
11.55 T. Özgen (Ankara, Turkey)

11.55 Microsurgical transsphenoidal surgery: chances and limits
12.20 G. Maira (Rome, Italy)

12.20 Transnasal surgery of sellar area tumors
12.45 E. de Divitiis (Naples, Italy)

12.45 Tricks in prevention of CSF leakage in extended endoscopic endonasal approach to
13.00 skull base
P. Cappabianca (Naples, Italy)

13.00 Lunch
14.00

PRESENTATION OF THE JOURNAL *WORLD NEUROSURGERY*

- 14.10 Where eagles dare: above and beyond
 14.30 M.L.J. Apuzzo (Los Angeles, CA, USA)

SURGICAL TREATMENT OF SPINE

Chairmen:

A. Cigliano (Naples, Italy), R. Delfini (Rome, Italy)

Each presentation will be followed by discussion with the audience
 (no less than 5 minutes of the time scheduled for each lecture)

- 14.30 Surgical treatment of syringomyelia
 14.55 N. Di Lorenzo (Florence, Italy)

- 14.55 Tumors of the cervical spine
 15.20 V. Denaro (Rome, Italy)

CERVICAL SPINE. WHEN, HOW AND WHY

Chairmen:

V. Albanese (Catania, Italy), G. Corriero (Cosenza, Italy), F. Maiuri (Naples, Italy)

Each presentation will be followed by discussion with the audience
 (no less than 5 minutes of the time scheduled for each lecture)

- 15.20 Motion preservation
 15.35 G. Guizzardi (Florence, Italy)
 15.35 Cervical spine, stabilisation: what's new?
 15.50 P. Moulin (Nottwil, Switzerland)

- 15.50 Cervical disc arthrodesis
 16.05 M. Fornari (Milan, Italy)

- 16.05 Complication and revision surgery in cervical disk prosthesis
 16.20 G. Maestretti (Fribourg, Switzerland)

16.30
 17.20

Workshop



Sala Etna

The use of biomaterials Baxter Biosurgery in neurosurgery: tips & tricks

President: F. Tomasello (Messina, Italy)

Chairman: M. Gangemi (Naples, Italy)

Speakers:

R. Boccaletti (Sassari, Italy)
 P. Cappabianca (Naples, Italy)
 R. J. Galzio (L'Aquila, Italy)
 P. A. Oppido (Rome, Italy)

16.30
 17.20

Workshop



Sala Due Colonne

Cervical arthrodesis versus Cervical arthroplasty. Devices and instrumentations

O. de Divitiis (Naples, Italy)

Discussant: G. Innocenzi (Pozzilli, Italy)

LUMBAR SPINE. WHEN, HOW AND WHY**Chairmen:**

G. Guizzardi (Florence, Italy), **A. Moraci** (Naples, Italy)

Each presentation will be followed by discussion with the audience
(no less than 5 minutes of the time scheduled for each lecture)

17.20 Transforaminal spondylodesis techniques (TLIF) for degenerative lumbar instability
17.35 **F. Kilian** (Koblenz, Germany)

17.35 Anterior motion preservation
17.50 **R. Assietti** (Milan, Italy)

17.50 Posterior motion preservation
18.05 **G. Innocenzi** (Pozzilli, Italy)

18.05 Arthrodesis
18.20 **U. Agrillo** (Rome, Italy)

18.20 Revision surgery of internal fixation
18.35 **M. Bortoluzzi** (Brescia, Italy)

20.30 Social dinner



FOCUS ON SPECIAL TOPICS

Presented by:

G. Broggi (Milan, Italy), **F. Tomasello** (Messina, Italy)

- 08.15 The problems of neurosurgery in Iran
08.30 **S. Zabihyan, H. Etemadrezai** (Mashhad, Iran)
- 08.30 Tips or tricks? Selection of aneurysms for Clipping versus Coiling.
08.45 Realities of rational choice in the realm of bias
C. Liu (Los Angeles, CA, USA)

SURGICAL APPROACHES TO VENTRICULAR SYSTEM PART I

Chairmen:

G.P. Cantore (Rome, Italy), **D. d'Avella** (Padua, Italy), **G. Tomei** (Varese, Italy)

Each presentation will be followed by discussion with the audience
 (no less than 5 minutes of the time scheduled for each lecture)

- 08.45 Transylvian and subtemporal-transventricular approach to the mesial aspect of the temporal horn
09.10 **J. Schramm** (Bonn, Germany)
- 09.10 Keyhole approaches to the ventricles
09.35 **C. Teo** (Randwick, Australia)
- 09.35 Surgical approaches to the ventricular system and the brain stem
10.00 **S. Abdulrauf** (St. Louis, MO, USA)
- 10.00 Tumors of the ventricles: microsurgery, endoscopy or both?
10.25 **H. Bertalanffy** (Zürich, Switzerland)

10.25
11.15

Workshop



Sala Etna

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 Speaker: **R.J. Galzio** (L'Aquila, Italy)

10.25
11.15

Workshop **SIEMENS**

Sala Due Colonne

Neurological imaging for the neurosurgery
 Speaker: **L. Boccaccini** (Milan, Italy)

Workshop **BrainLAB** **micromed**

Intraoperative Tractography and brain mapping for cerebral lesions in eloquent areas: our experience in BrainSUITE
 Speaker: **G. D'Andrea** (Rome, Italy)

SURGICAL APPROACHES TO VENTRICULAR SYSTEM PART II

Chairmen:

L. Benvenuti (Livorno, Italy), **A. Santoro** (Rome, Italy), **P.P. Versari** (Alessandria, Italy)

Each presentation will be followed by discussion with the audience
(no less than 5 minutes of the time scheduled for each lecture)

- 11.15 Planned wrong side approach to deep paramedian lesions
11.30 **G. Broggi** (Milan, Italy)
- 11.30 Endoscopic ventricular approach to pineal region tumors
11.45 **M. Gangemi** (Naples, Italy)
- 11.45 Transcallosal approach to the third ventricle
12.00 **R. J. Galzio** (L'Aquila, Italy)
- 12.00 Colloid cysts of third ventricle
12.15 **I. Sbeih** (Amman, Jordan)
- 12.15 Endoscopic treatment of intraventricular craniopharyngiomas
12.30 **A. Delitala** (Rome, Italy)
- 12.30 Endoscopic approach to ventricular tumors
12.45 **U. Godano** (Cagliari, Italy)
- 12.45 Transacquaductal endoscopic navigation of the fourth ventricle
13.00 **P. Longatti** (Treviso, Italy)
- 13.00 Closing remarks

17.00 City of Letojanni, Centro Polifunzionale
Official Ceremony

Francesco Durante International Award to M.L.J. Apuzzo

Francesco Durante Honorary Award to G.P. Cantore



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SCIENTIFIC INFORMATION

After each presentation all participants are invited to take part in the interactive discussion with speakers and chairmen.

Languages

The official language of the Meeting will be English.

Slide Centre

Slides must be in English. Computer projection will be available in all rooms. No slide projectors will be available in the conference rooms and therefore it will not be possible to connect laptops to slide projectors. Speakers are invited to deliver their Power Point presentations to the Slide Centre on Cd-Rom or USB memory, saved with the speaker's name, at least 2 hours prior to their scheduled time. For images, please use extensions .gif or .jpg. For any other extension type or very large files, please contact the Organizing Secretariat. Each Speaker will collect their technical material at the end of the session or, at the latest at the end of the day. The Organizing Secretariat is not responsible for audio-visual material uncollected or left unattended.

CME Accreditation (for Italian participants only)

CME Accreditation has been requested to the Italian Ministry of Health in relation to the Italian Continuing Medical Educational program (CME) for Neurosurgeons, Orthopaedists, Neuroradiologists.

Certificate of attendance

At the end of the Meeting, a certificate of attendance will be issued to all registered participants, based on their attendance to all sessions and only by personal badge presentation.

Variations

The Scientific and the Organizing Secretariats reserve the right to make whatever change to the program they deem necessary for scientific and/or technical reasons, in compliance with Ministry regulations on CME credits.



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GENERAL INFORMATION

Meeting venue

San Domenico Palace Hotel - Piazza San Domenico 5, 98039 Taormina (ME), Italy
Tel. +39 0942 61 31 11, fax +39 0942 62 55 06



**TIPS
AND
TRICKS**

How to reach the Meeting Venue

San Domenico Palace Hotel is in the centre of Taormina.
Distance from Railway station of Taormina - Giardini Naxos: km 6
Distance from Airport Fontanarossa - Catania: km 45 (40 minutes)
Bus Service See www.interbus.it.

Registration to the Meeting

Registration fee	Residents	€ 250
(VAT included)	Participants	€ 450
	Social dinner	€ 100

Registration includes:

- Admission to the Meeting, workshops and exhibition
- Conference kit
- Attendance Certificate
- Welcome Cocktail
- Coffee Breaks and Lunch
- Francesco Durante Award Ceremony

Welcome cocktail

Included in the registration fee. April 15, 2010 at 19,30 at the Conference Venue

Social dinner

Euro 100,00. San Domenico Palace Hotel, April 16, 2010 at 20,30.

Cancellation policy

No refunds will be made for cancellations of registrations.

Scientific Secretariat



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Organizing Secretariat



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TAORMINA, MESSINA, ITALY
APRIL 15 - 17, 2010

TIPS
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PROGRAM AT A GLANCE

San Domenico Palace Hotel

PLENARY ROOM - Sala Chiesa

Sala Etna

Sala Due Colonne

THURSDAY 15TH APRIL 2010

14,00	Registration
15,00	Opening of the Meeting
15,15 18,45	RADICALITY IN ELOQUENT AREAS
18,50	LECTURE
19,30	Welcome reception

FRIDAY 16TH APRIL 2010

08,00 13,00	SELLAR AND PARASELLAR AREA		
13,00 14,00	Lunch		
14,10	LECTURE		
14,30	SURGICAL TREATMENT OF SPINE		
15,20	CERVICAL SPINE. WHEN, HOW AND WHY		
16,30 17,20		WORKSHOP BAXTER	WORKSHOP DEPUY SPINE
17,20 18,35	LUMBAR SPINE. WHEN, HOW AND WHY		

SATURDAY 17TH APRIL 2010

08,15 08,45	FOCUS ON SPECIAL TOPICS		
08,45 10,25	SURGICAL APPROACHES TO VENTRICULAR SYSTEM - Part I		
10,25 11,15		WORKSHOP TEKMED	WORKSHOP SIEMENS BRAINLAB MICROMED
11,15 13,00	SURGICAL APPROACHES TO VENTRICULAR SYSTEM - Part II		
13,00	Closing remarks		
	City of Letojanni, Centro Polifunzionale		
17,00	Francesco Durante Awards		





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